Supplementary material
Chapter I
Additional File I_1: Gene expression (RPKM values) in whale and cattle brain samples.

Feature ID	Boferroni corrected *p* - value	RPKM cattle (SRR594491)	RPKM cattle (SRR594482)	RPKM cattle (SRR636935)	RPKM cattle (SRR636934)	RPKM cattle (SRR8305676)	RPKM killer whale (SRR8305677)	RPKM visual cortex long-finned pilot whale (SRR8305674)	RPKM cerebellum long-finned pilot whale (SRR8305675)	RPKM bowhead whale (SRR1685414)	RPKM minke whale (SRR918699)	RPKM mean cattle	RPKM mean whale	RPKM fold difference
20ALPHA-HSD	1	0	0	0	0	0	0	0	0	0.440119	0	0	0.088024	#DIV/0!
A1BG	1	0	0.01221	0.023614	0.129519	0.058682	0.113168	0.160828	0.223549	1.397386	1.707489	0.044805	0.720484	16.08044
A1CF	1	0.002084	0	0.027305	0.004992	0	0	0	0.005385	0.204673	0.013856	0.006876	0.044783	6.512716
A2M	1	3.048148	4.687197	5.631011	6.013218	1.465612	5.401208	5.573188	3.90064	11.81837	1.205266	4.169037	5.579734	1.338375
A2ML1	1	0.133341	0.150583	0.123544	0.164569	0.186404	0.148022	0.360618	0.396826	0.041777	2.0285	0.151688	0.595149	3.9235
A3GALT2	0.006043	0.688093	0.914196	0.869248	0.581832	2.178467	0	0	0	0	0.089713	1.046367	0.017943	0.017148
A4GALT	1	0.295213	0.123615	0.376699	0.32582	0.315044	0.486051	0.056388	1.337327	1.80051	1.874749	0.287278	1.111005	3.867347
A4GNT	1	0.003676	0	0	0	0	0	0	0	0.057011	0.048886	0.000735	0.02118	28.80758
AAAS	1	2.954182	3.404962	4.146013	5.727742	10.60626	29.32657	14.82005	20.85827	9.289186	5.231474	5.367831	15.90511	2.963042
AACS	1	8.974294	7.927968	5.85953	6.229696	9.511247	4.977902	10.64444	9.338878	8.124269	4.666256	7.700547	7.55035	0.980495
AADAC	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
AADACL3	1	0.818568	0.829602	0.568403	0.714047	1.070792	0	0	0.021698	0	0.048847	0.800282	0.014109	0.01763
AADACL4	1	0	0	0	0	0	0	0.06505	0	0	0	0	0.01301	#DIV/0!
AADAT	1	3.798597	4.463982	2.147692	2.61008	3.767443	1.160467	1.761871	0.847175	4.086966	4.808022	3.357559	2.5329	0.754387
AAED1	1	7.970794	8.774668	5.883296	5.640966	7.216302	3.116755	2.266186	3.740585	8.735268	3.004588	7.097205	4.172677	0.587932
AAGAB	1	27.47164	27.83128	16.88923	18.89383	36.09838	5.277526	10.20885	11.08397	12.74036	10.76457	25.43687	10.01506	0.393722
AAK1	1	19.25563	22.43831	24.33987	19.05529	16.24443	10.63786	23.46907	21.56242	16.98973	20.47716	20.2667	18.62725	0.919106
AAMDC	1	17.4091	13.35091	10.78527	12.99656	43.04625	49.60009	15.79377	21.65844	14.18319	34.08089	19.51762	27.06328	1.386608
AAMP	1	28.86978	26.70159	34.12409	37.27272	49.84194	51.66134	53.01334	59.15499	37.01737	52.89354	35.36202	50.74812	1.435102
AANAT_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
AANAT_2	1	0	0	0.092903	0	0	0	0	0	0	0	0.018581	0	0
AAR2	1	3.971706	3.344818	5.684019	7.696727	6.768376	4.291832	4.349457	4.624346	4.695095	6.422032	5.493129	4.876552	0.887755
AARD	1	0.295142	0.433298	0	0.188559	0.106789	0.154458	0.27177	0.152556	0.152578	0.016354	0.204758	0.149543	0.730342
AARS	1	59.7419	63.19903	66.21409	68.756	50.74809	37.8025	83.9171	82.58069	59.2569	96.51885	61.73182	72.01521	1.166582
AARS2	1	3.211636	2.603803	6.092834	6.419654	5.437322	2.909963	4.39013	5.351829	3.419722	8.566002	4.75305	4.927529	1.036709
AARSD1	1	14.50378	13.3957	10.63224	12.54398	25.67047	28.51591	16.07203	13.20138	9.582372	17.63767	15.34924	17.00187	1.107669
AASDH	1	3.841124	3.863357	3.377728	2.76518	2.781283	1.063079	3.953563	2.505655	5.059773	2.187248	3.325734	2.953864	0.888184
AASDHPPT	0.213717	7.811368	8.928925	5.766064	7.140307	20.59727	1.890125	3.420892	2.510842	3.227661	3.025202	10.04879	2.814944	0.280128
AASS	1	2.213732	1.555435	2.305855	2.867813	2.092842	2.899139	2.423589	2.796065	3.391705	0.924505	2.207136	2.487	1.1268
AATF	1	6.23601	5.257091	6.236831	4.834606	4.428313	10.67503	9.814562	16.81324	7.41924	6.624278	5.39857	10.26927	1.90222
AATK	1	10.90632	11.45027	34.43917	50.75222	17.15129	14.90618	12.60826	11.92119	14.36268	37.72358	24.93985	18.30438	0.733941
ABAT	1	55.98293	46.9301	70.24961	61.93235	49.19121	31.47702	41.4151	41.91441	34.6879	61.06028	56.85724	42.11094	0.740643
ABCA1	1	6.69561	4.298973	14.10949	10.75783	1.507586	4.154613	6.563008	18.57375	15.49217	4.922725	7.473898	9.941252	1.330129
ABCA10	1	0.270752	0.463575	0.349701	1.182243	0.639928	0	0	0	0.01505	0.304893	0.58124	0.063989	0.11009
ABCA12	1	0.028094	0.068741	0	0.005609	0.012706	0.036756	0.064673	0.012101	0.048412	0.007784	0.02303	0.033945	1.473952

ABCA13	1	0.148058	0.468673	1.81763	0.564319	0.146102	0.02348	0.286014	0.057977	0.023194	0.044749	0.628956	0.087083	0.138456
ABCA2	1	17.10439	23.70611	112.4229	165.4904	21.47906	24.10553	24.62548	31.72146	34.19071	48.81231	68.04059	32.6911	0.480465
ABCA3	1	15.08614	13.12134	21.3749	26.36804	9.60951	8.484523	16.12535	21.89104	10.55746	10.73767	17.11199	13.55921	0.792381
ABCA4	1	0.004873	0.011006	0.063856	0.008756	0.019836	0.10201	0.072485	0.151131	3.741027	0.166064	0.021665	0.846543	39.07338
ABCA5	1	8.630397	14.2345	12.4105	19.54492	8.317495	2.490619	7.546979	8.784224	14.28447	13.56137	12.62756	9.333534	0.73914
ABCA6	1	0.098659	0.368293	0.915739	0.771474	0.185923	0	0	0	0.325854	0.997694	0.468018	0.26471	0.565598
ABCA7	1	3.727114	3.12368	10.89028	5.499932	4.517474	0.013341	0.092092	1.357249	3.097086	0.48735	5.551696	1.009424	0.181823
ABCA9	0.05453	0.964212	0.995412	2.27192	2.109057	0.825641	0.011708	0	0	0.011565	0.007438	1.433249	0.006142	0.004285
ABCB1	1	6.618145	5.900205	6.923466	6.334199	5.095371	19.65289	6.485902	5.799331	5.528122	2.659411	6.174277	8.025132	1.299769
ABCB10	1	6.075358	5.742475	5.207199	3.822817	4.342488	23.0359	7.93102	11.74348	7.348147	6.692197	5.038068	11.35015	2.252877
ABCB11	1	0.014462	0	0.006317	0.048508	0	0	0	0.022426	0.299062	0.509676	0.013858	0.166233	11.99582
ABCB4	1	0.122167	0.095514	0.184714	0.028143	0.102007	2.950808	0.36943	0.558607	3.060642	0.546762	0.106509	1.49725	14.05751
ABCB5	1	0.069933	0	0	0	0	0	0	0.020082	0	0	0.013987	0.004016	0.28716
ABCB6	1	5.958751	5.418935	6.972124	7.381379	10.51323	9.091073	14.37539	19.85573	12.50483	14.16618	7.248883	13.99864	1.931145
ABCB7	1	5.351795	5.37702	4.735078	3.298804	5.306732	6.303586	4.326089	8.215833	8.98623	2.771804	4.813886	6.120708	1.271469
ABCB8	1	5.232994	6.070594	10.36846	14.72447	8.194062	1.16536	2.441635	3.038668	6.999163	5.552541	8.918117	3.839473	0.430525
ABCB9	1	3.646823	4.444587	5.700207	5.468357	9.476352	3.914184	11.53081	8.478507	4.159872	9.406327	5.747265	7.497939	1.30461
ABCC1	1	1.513379	1.563543	2.447782	1.902613	2.024943	0.925308	1.884936	10.48677	5.856096	4.647893	1.890452	4.760201	2.518023
ABCC10	1	1.047194	0.937926	2.689232	2.154154	1.646249	2.740154	3.944036	4.927538	3.528183	4.03382	1.694951	3.834746	2.262452
ABCC11	1	0	0.008083	0.039078	0.004287	0	0	0.007605	0.018498	0.0185	0.023796	0.01029	0.01368	1.329466
ABCC12	1	0.058097	0.061236	0.033835	0.018558	0.021021	0	0.00823	0	0	0.540831	0.038549	0.109812	2.848605
ABCC2	0.08508	0.00377	0.012772	0.024699	0.013547	0.01023	0.611578	0.196258	0.10717	0.272835	0.328995	0.013003	0.303367	23.32969
ABCC3	1	0.194716	0.041489	0.513511	0.4797	0.099697	0.326853	0.156136	0.370303	0.132948	0.036643	0.265823	0.204577	0.769598
ABCC5	1	13.04788	16.6037	18.35746	16.31165	17.57514	13.4724	19.69329	40.53233	28.75324	11.30106	16.37917	22.75046	1.388988
ABCC6	1	0.097666	0.061275	0.1422	0.138659	0.04908	0	0.046119	0.056092	0.4488	0.300656	0.097776	0.170333	1.742073
ABCC8	1	14.84068	21.50684	12.54324	9.817657	46.04179	13.96049	19.10275	44.32867	4.967681	9.189635	20.95004	18.30984	0.873977
ABCC9	1	1.826198	1.796595	1.14643	0.939604	1.02607	3.999665	2.923256	1.133145	2.828076	2.129706	1.346979	2.60277	1.932301
ABCD1	1	0.781208	0.59415	1.218663	1.807949	0.692226	1.613078	1.0841	1.098769	1.318715	2.712102	1.018839	1.565353	1.536408
ABCD2	1	3.261433	3.636336	2.505067	2.433504	0.675035	2.965229	7.047845	2.321543	5.072417	3.377007	2.502275	4.156809	1.661212
ABCD3	1	17.28602	17.92513	13.62871	12.98409	10.34054	16.18669	29.33933	26.32719	25.37557	18.53326	14.4329	23.15241	1.604142
ABCD4_1	1	0	0.014369	0	0	0	0	0	0	0	0.010576	0.002874	0.002115	0.735998
ABCD4_2	1	0.545992	0.34333	0.555562	0.334452	0.168368	0.584459	0.421893	0.368806	1.186767	0.268161	0.389541	0.566017	1.453037
ABCE1	1	15.26313	15.65873	12.14282	11.43603	9.241077	8.565551	20.35911	19.23089	22.30249	15.89431	12.74836	17.27047	1.354721
ABCF1	1	22.92167	22.61283	21.76015	26.98288	20.19126	30.16437	25.94161	26.20726	20.52024	26.35809	22.89376	25.83831	1.128618
ABCF2	1	16.46285	15.19559	18.37998	20.61298	16.32093	20.47332	23.238	18.09835	12.16328	20.75939	17.39447	18.94647	1.089224
ABCF3	1	14.76032	13.76579	13.95606	14.2005	14.69608	18.96869	21.44932	33.1092	21.88706	61.40727	14.27575	31.36431	2.197034
ABCG1	0.241278	5.583842	7.413691	13.94481	16.68475	6.13695	1.005856	2.588425	3.290064	2.425969	3.352716	9.952808	2.532606	0.254461
ABCG2	1	12.70934	10.61737	8.804017	10.17475	11.34185	61.59664	10.60978	9.245356	13.38216	12.70767	10.72946	21.50832	2.004604
ABCG4	1	9.883887	12.21452	13.46541	14.26394	22.45279	7.538429	11.97888	13.80915	4.895745	12.44495	14.45611	10.13343	0.700979
ABCG5	1	0.017964	0	0.039232	0.021518	0	2.021195	1.393264	0.092851	0.278595	0	0.015743	0.757181	48.09722
ABCG8	1	0	0	0.146961	0.016121	0	0	0.085794	0.069564	0.139148	0.067116	0.032616	0.072324	2.217419
ABHD1	1	0.691647	0.345478	0.87146	1.194981	0.721886	0.417648	0.056528	0.584382	0.275044	0.81809	0.76509	0.430338	0.562467
ABHD10	1	15.45094	13.222	9.861464	8.711798	17.16911	11.43191	10.78377	12.32386	13.0831	7.838235	12.88306	11.09217	0.860989
ABHD11	1	22.30742	21.30198	24.5742	28.2545	81.85579	33.21998	18.05464	8.478274	2.119877	17.3142	35.65878	15.83739	0.444137
ABHD12	1	19.52118	24.64396	28.48411	39.91146	37.82399	22.35691	24.77869	14.41642	9.823604	15.18286	30.07694	17.3117	0.57558
ABHD12B	1	1.247307	1.760739	0.33078	0.490932	1.716568	0	0.283978	0.046051	0	0.222154	1.109265	0.110437	0.099559

ABHD13	1	7.101565	7.939439	5.97059	4.792872	4.569088	2.440396	5.673108	4.710295	6.09115	2.733829	6.074711	4.329756	0.712751
ABHD14A	1	8.592816	8.366589	8.464104	9.554697	12.93383	23.45764	9.795137	18.81832	16.24075	21.16589	9.582407	17.89555	1.867542
ABHD14B	0.044668	3.646079	2.761173	11.80382	13.0429	12.00891	0.336726	0.136725	0.591252	1.145718	1.937143	8.652576	0.829513	0.095869
ABHD15	1	0.076971	0.028975	0.392236	0.630053	0	0.134271	0.136299	0.29839	0	0.213252	0.225647	0.156442	0.693307
ABHD16A	1	27.90483	27.50381	29.5344	29.02275	70.84619	42.45372	54.95807	72.7955	37.59391	71.02983	36.9624	55.76621	1.508728
ABHD16B	1	0.022292	0.239156	1.436193	0.974669	0	0	0	0	0.633824	1.000525	0.534462	0.32687	0.611587
ABHD17A	1	8.265113	10.41082	22.68832	29.61079	22.25627	21.22776	6.133522	3.877791	10.05743	48.67967	18.64626	17.99523	0.965085
ABHD17B	1	10.80827	11.48974	13.53738	20.18459	6.225635	14.72806	28.93209	19.16851	21.73115	11.83189	12.44912	19.27834	1.54857
ABHD17C	1	5.494843	3.778785	4.137493	5.1479	8.368074	8.884413	6.657213	4.663051	4.197356	5.49419	5.385419	5.979245	1.110265
ABHD18	1	2.329978	2.60176	2.521472	1.752239	0.666304	1.339649	3.918685	8.924533	8.480215	4.246627	1.974351	5.381942	2.72593
ABHD2	1	18.07177	18.74266	30.87519	24.69356	8.739822	8.787327	12.29657	7.43487	6.326383	4.285419	20.2246	7.826114	0.38696
ABHD3	1	14.21309	14.26872	19.30954	18.35261	11.51769	5.847944	26.64033	8.714568	23.61383	19.40664	15.53233	16.84466	1.084491
ABHD4	1	7.515288	5.287835	11.20386	14.69942	19.45797	10.10135	5.645506	12.78417	8.233141	8.747481	11.63287	9.102329	0.782466
ABHD5	1	4.106532	3.81324	3.396111	3.299735	5.752739	10.39665	7.701153	9.661693	6.792059	5.022225	4.073672	7.914755	1.942905
ABHD6	1	13.8077	14.48349	15.26597	18.54314	20.46558	13.84762	29.15751	18.57769	14.61479	18.59737	16.51318	18.959	1.148113
ABHD8	1	19.1447	18.98848	27.59501	36.58494	35.24866	46.26155	25.95092	12.42677	12.91149	59.07299	27.51236	31.32475	1.13857
ABI1	1	20.12296	16.57472	12.74288	14.08667	19.30901	21.47742	31.20508	26.27826	23.16208	13.8892	16.56725	23.20241	1.400499
ABI2	1	36.47613	38.52511	27.80694	28.94986	25.84273	31.27936	54.25061	43.10388	34.05949	21.74053	31.52015	36.88677	1.17026
ABI3	1	0.919438	1.038327	3.54356	3.174593	1.981366	5.236286	1.95376	1.397786	1.677587	2.405003	2.131457	2.534085	1.188898
ABI3BP	1	9.643811	4.212014	6.592094	6.326597	4.825758	1.004772	2.722093	6.645826	3.74238	0.858068	6.320055	2.994628	0.473829
ABL1	1	4.919501	3.603049	7.49515	8.753587	4.399804	4.575436	3.937465	3.718136	3.457273	5.667013	5.834218	4.271065	0.732071
ABL2	1	3.948989	4.761442	5.768486	5.026124	3.526448	2.240758	2.054387	2.125062	4.088609	3.912428	4.606298	2.884249	0.626153
ABLIM1	1	26.41816	23.243	49.61769	20.65079	18.0082	23.46171	10.31246	65.16782	98.53314	126.1359	27.58757	64.72221	2.346065
ABLIM2	1	10.63611	12.33205	13.05218	16.29496	11.01741	6.946174	13.78545	6.612997	4.67839	9.515874	12.66654	8.307777	0.655884
ABLIM3	1	8.813622	8.363484	7.761108	3.396852	9.774885	26.4926	17.93136	61.89235	14.90971	34.81415	7.62199	31.20804	4.094473
ABO	1	0.087625	0.206156	0	0.1487	0.277415	0	0.031033	0.037743	0	0.036415	0.143979	0.021038	0.146121
ABR	1	76.65929	63.39771	45.40514	69.21703	61.39994	101.6486	71.46647	12.79807	12.0363	17.57056	63.21582	43.104	0.681855
ABRA	1	0.146111	0.406164	0.049092	0	0.823494	0.117638	0.167181	0	0	0.074734	0.284972	0.071911	0.252342
ABRACL	1	5.197084	5.617205	2.240818	3.313171	12.34785	12.60682	18.86408	0.518816	1.614329	1.446061	5.743225	7.010021	1.220572
ABRAXAS1	1	3.478999	4.29189	1.123318	1.420534	3.159877	2.205745	3.400337	2.067809	3.249886	1.021273	2.694924	2.38901	0.886485
ABRAXAS2	1	4.081694	3.439161	3.48517	3.008298	5.469177	3.526868	6.538821	6.457508	4.667174	3.318588	3.8967	4.901792	1.257934
ABT1	1	8.17096	8.451924	7.326472	7.372599	9.222945	6.404981	6.492369	5.984775	8.511907	17.30058	8.10898	8.938923	1.102349
ABTB1	1	7.660938	8.633499	27.89694	27.94245	30.06748	4.765913	3.276191	14.94751	13.33908	26.01453	20.44026	12.46865	0.610004
ABTB2	1	1.499163	1.591514	6.406898	6.455542	2.868252	2.276544	3.246761	1.737486	2.824987	3.603697	3.764274	2.737895	0.727337
ACAA1	1	14.85756	12.82	21.82657	28.42082	39.59405	15.97611	12.38197	9.26964	13.26141	21.20573	23.5038	14.41897	0.613474
ACAA2	1	10.29919	7.713713	13.64629	15.66714	17.72981	19.3962	10.24846	7.951532	23.39749	13.70445	13.01123	14.93963	1.14821
ACACA	1	10.94046	10.84473	12.29744	13.90329	5.144542	17.86593	13.58197	9.643491	8.800671	5.814526	10.62609	11.14132	1.048487
ACACB	1.41E-05	0.181397	0.095328	0.09806	0.079603	0.058485	1.814028	1.396814	3.072797	5.849376	9.580689	0.102575	4.342741	42.33737
ACAD10	1	4.125494	3.417489	2.313175	2.2897	5.396506	1.551382	1.437018	1.213054	0.973777	0.985573	3.508473	1.232161	0.351196
ACAD11	1	3.923642	3.933945	2.520318	3.16341	0.670019	2.30337	3.433105	6.866638	4.689417	2.319869	2.842267	3.92248	1.380054
ACAD8	1	8.25254	8.870502	10.54371	10.98407	17.74786	11.8522	9.413693	12.56281	5.140078	7.731563	11.27974	9.340067	0.82804
ACAD9	1	2.777123	1.974376	3.774183	2.835346	3.467016	13.0556	8.544661	12.51251	15.29529	16.47634	2.965609	13.17688	4.44323
ACADL	1	3.094952	3.465338	2.17622	2.134338	2.256362	5.905479	6.366277	4.502482	16.2727	6.48316	2.625442	7.906019	3.01131
ACADM	1	8.545931	7.155193	8.166637	12.54223	5.290341	5.189176	5.821095	7.970241	15.7256	6.467517	8.340066	8.234725	0.987369
ACADS	1	4.290096	3.787008	8.837515	9.750787	10.85392	2.647118	2.468152	4.357537	5.132957	8.953392	7.503865	4.711831	0.627921
ACADSB	1	26.60304	27.34649	18.61592	18.60696	16.93032	5.934364	8.310845	6.513773	12.54277	9.624238	21.62055	8.585199	0.397085

ACADVL	1	14.60828	12.21946	33.14574	40.38732	34.99031	38.11556	45.98531	45.77192	41.88805	67.7362	27.07022	47.89941	1.76945
ACAN	1	0.286868	0.442916	0.371989	0.370484	0.334497	0.691993	1.062002	0.133219	0.463438	0.141571	0.361351	0.498445	1.379393
ACAP1	1	1.618622	1.380746	3.026755	2.642114	3.035098	4.253568	1.712364	4.865482	1.70586	2.142159	2.340667	2.935887	1.254295
ACAP2	1	1.744865	3.115499	6.128045	2.965772	0.255945	1.665873	3.883117	3.534477	3.90068	2.822155	2.842025	3.16126	1.112327
ACAP3	1	14.21639	15.75094	36.68499	38.86949	25.43189	11.61141	11.07244	15.68704	21.12507	33.88386	26.19074	18.67596	0.713075
ACAT1	1	23.12146	23.87935	19.992	15.9327	30.46721	43.9085	27.69629	25.09944	51.83585	22.83561	22.67855	34.27514	1.511346
ACAT2	1	36.90714	30.87083	16.31794	15.65631	28.20847	33.01812	50.86885	9.421762	19.2547	25.44137	25.59214	27.60096	1.078494
ACBD3	1	15.06614	14.44065	13.40567	14.01909	9.989062	12.25429	17.8861	24.48074	17.36069	14.04023	13.38412	17.20441	1.285435
ACBD4	1	1.523908	1.389397	2.900685	2.188342	4.666535	4.097303	4.426567	5.528287	4.071531	6.894759	2.533773	5.00369	1.974798
ACBD5	1	30.79699	28.26287	26.1168	23.92482	28.77464	22.17669	32.75166	30.07401	29.53196	8.513844	27.57522	24.60963	0.892455
ACBD6	1	6.092457	7.591017	6.240478	4.930752	12.50217	13.89977	13.21365	10.05247	18.61115	14.77304	7.471375	14.11002	1.888543
ACBD7	9.04E-49	96.47652	86.76556	64.9633	67.20033	134.0919	0	0	0	0	0	89.89951	0	0
ACCS	1	1.430254	1.270973	0.99	0.973675	2.672329	3.722044	1.577736	2.888452	1.292922	1.533071	1.467446	2.202845	1.501142
ACCSL	1	0.0389	0.263579	0.356815	0.596454	0.295572	0.488582	0	0	0.361977	0	0.310264	0.170112	0.548281
ACD	1	2.440036	2.874834	5.467356	4.162923	5.503547	2.377008	2.581254	2.566132	3.221784	9.02538	4.089739	3.954311	0.966886
ACE	1	1.057455	1.044349	1.729885	2.909118	1.156563	27.14399	7.467344	4.686511	2.494293	4.230853	1.579474	9.204599	5.827636
ACE2	1.05E-05	0.083244	0.041782	0.040401	0.038779	0.0251	0.580861	1.81804	2.091645	0.621608	0.891783	0.045861	1.200787	26.18311
ACE3	1	0.007518	0	0	0.018012	0	0.039346	0	0.388616	0	0.049992	0.005106	0.095591	18.7207
ACER1	1	0.104646	0.104274	0.25543	0.258083	0.317384	0.064429	0.156965	0.190907	0.190935	0.122793	0.207963	0.145206	0.698227
ACER2	1	2.733582	3.30545	3.972114	5.203344	2.736066	6.322723	1.440637	1.134409	1.134574	1.318446	3.590111	2.270158	0.632336
ACER3	1	7.374994	9.77834	8.410808	8.796015	12.01844	4.803476	5.728482	2.587815	3.351376	1.632493	9.275719	3.620728	0.390345
ACHE	1	1.196036	1.516389	10.77854	10.23679	1.508201	9.633194	6.85926	13.66284	17.58384	48.46357	5.047191	19.24054	3.812129
ACIN1	1	26.2549	23.9188	17.77176	20.22833	31.20314	28.08186	24.54337	39.02289	21.18612	26.53953	23.87539	27.87475	1.16751
ACKR1	1	10.05722	8.157445	13.79359	23.27404	50.71383	13.95785	7.202408	61.22313	11.01123	32.05139	21.19922	25.0892	1.183496
ACKR2	1	0.305773	0.290788	0.175736	0.089964	1.615861	0.168443	0.820739	0.610019	0.859698	0.356699	0.495624	0.56312	1.136182
ACKR3	1	3.137384	2.304832	6.496288	9.77926	0.972167	4.772293	5.905524	7.659483	3.53566	6.045509	4.537986	5.583694	1.230434
ACKR4	1	0.022325	0	0	0	0	0	0.047439	0.086546	0	0	0.004465	0.026797	6.001614
ACLY	1	39.03179	36.25531	43.5814	46.72558	32.30314	39.32787	71.81901	26.1905	48.21761	36.12149	39.57944	44.33529	1.12016
ACMSD	1	0	0	0.04817	0	0	0	0	0	0.285057	0	0.009634	0.057011	5.917732
ACO1	1	8.067977	6.699106	7.646478	6.741272	8.468371	7.667741	9.380704	9.073235	5.656226	2.609582	7.524641	6.877498	0.913997
ACO2	1	64.59008	65.60679	90.2248	96.75401	77.43209	186.9736	158.1648	103.285	80.92043	133.6183	78.92155	132.5924	1.680053
ACOD1	1	0.10572	0.014046	0.08149	0.044697	0	0	0	0	0	0	0.049191	0	0
ACOT11	1	0.616707	0.445405	0.626448	0.884781	0.155678	0.075057	0.167618	0.166798	0.296572	0.405301	0.545804	0.222269	0.407233
ACOT12	1	0.136093	0.141869	0.114316	0.288429	0	0.219145	0.133473	0.297614	0.216478	0	0.136142	0.173342	1.273248
ACOT13	1	23.71313	21.38981	15.16897	15.28758	23.87816	8.027939	5.727074	5.093336	2.698484	4.72817	19.88753	5.255001	0.264236
ACOT2_1	1	1.513623	1.102077	2.827239	2.576596	2.621218	2.084549	2.179516	2.161825	1.750303	1.075984	2.128151	1.850436	0.869504
ACOT2_2	1.28E-05	0.064413	0.020783	0.030145	0.027557	0.049941	1.155745	1.182979	1.23664	1.688735	0.688341	0.038568	1.190488	30.86744
ACOT4	1	2.343238	2.119619	1.90953	1.522177	5.124986	1.891298	2.502018	1.506459	1.506678	0.910828	2.60391	1.663456	0.63883
ACOT6	1	0.217065	0.170528	0.082446	0.293937	0.051221	2.32134	1.524141	2.048845	0.585469	0.690293	0.163039	1.434018	8.795528
ACOT7	1	22.49688	24.15015	33.30845	31.76118	42.3217	15.61772	27.75907	12.81124	15.61308	34.58299	30.80767	21.27682	0.690634
ACOT8	1	3.673896	3.068496	4.220772	3.415311	9.268748	5.958275	4.879278	2.200658	3.561134	7.745381	4.729445	4.868945	1.029496
ACOT9	1	8.204578	7.266288	6.617197	7.014326	11.64038	8.076716	7.475294	8.035918	5.807822	2.584382	8.148553	6.396026	0.784928
ACOX1	1	17.3998	16.23251	17.35945	17.20773	14.80619	13.09039	20.22186	32.35364	23.99298	14.43012	16.60113	20.8178	1.253998
ACOX2	1	1.299674	0.621471	2.812866	1.150122	0.778457	1.960828	0.42297	0.347998	3.480484	2.325936	1.332518	1.707643	1.281516
ACOX3	0.243296	5.868177	5.538652	8.744829	9.945294	9.822237	1.870545	3.086149	3.19222	3.672172	4.099	7.983838	3.184017	0.398808
ACOXL	1	0.063235	0.122421	0.059187	0.108213	0.049029	0.047276	0.04799	0.081714	0.140102	0.037542	0.080417	0.070925	0.881962

ACP1	1	28.37379	33.58805	19.30377	32.4332	66.53887	18.99962	18.69317	13.17205	5.630519	6.476137	36.04754	12.5943	0.34938
ACP2	1	8.739523	8.003055	3.449417	3.822205	3.41153	2.237579	5.125853	3.735604	2.012406	2.010264	5.485146	3.024341	0.551369
ACP4	1	0.151681	0.109006	0.511956	0.825899	0.299355	0	0.058603	0.071275	0	0.160456	0.379579	0.058067	0.152976
ACP5	1	0.775357	0.562124	0.815317	1.043462	0.987092	0.10019	0.183066	0.123696	0.346398	0.238686	0.83667	0.198407	0.237139
ACP6	1	15.56959	10.59883	11.87742	11.41627	36.43178	8.457085	4.600585	3.052038	3.855767	1.618692	17.17878	4.316833	0.251289
ACP7	1	0.071302	0	0.031144	0	0	0	0.060605	0	0	0	0.020489	0.012121	0.591582
ACPP	1	0	0	0	0	0.030545	0	0.035878	0	0.05819	1.047842	0.006109	0.228382	37.38395
ACR	1	0.127328	0.115034	0.166848	0.076263	0.069105	0	0	0	0	0	0.110915	0	0
ACRBP	1	3.045816	3.350025	4.030168	4.361639	3.769212	3.478709	0.484888	1.179479	5.744385	11.37975	3.711372	4.453442	1.199945
ACRV1	1	0	0.289795	0	0	0	0	0	0	0	0	0.057959	0	0
ACSBG1	1	24.79724	19.02991	28.79656	27.52453	43.23249	25.35114	45.39927	35.76757	26.78355	62.5909	28.67615	39.17849	1.36624
ACSBG2	1	0.012728	0.158118	0.027799	0.015247	0	0	0.121713	0.148032	0.131603	0.116374	0.042778	0.103545	2.420486
ACSF2	1	27.15803	17.46529	17.88745	20.19293	51.16788	16.12857	6.31073	3.885946	12.7941	14.15849	26.77432	10.65557	0.397977
ACSF3	1	1.425128	1.418017	1.194498	1.218076	1.316983	3.708925	2.209859	1.672355	1.672598	7.055894	1.31454	3.263926	2.482941
ACSL1	1	7.003898	10.74097	19.11392	21.94252	9.983842	5.928974	9.886104	12.60743	8.392761	11.26098	13.75703	9.61525	0.698933
ACSL3	1	62.43432	62.88253	58.77719	61.19669	26.57027	34.70651	89.70058	36.92708	50.81675	44.05446	54.3722	51.24108	0.942413
ACSL4	1	31.19212	31.08082	13.75433	16.23864	8.271634	9.048939	27.91266	14.17461	24.55524	12.23582	20.10751	17.58545	0.874572
ACSL5	1	1.734519	1.093115	1.376209	1.175068	1.092991	8.669339	3.036961	0.940206	0.973926	0.205182	1.294381	2.765123	2.136252
ACSL6	1	28.35205	38.69001	26.04425	20.96565	35.5841	28.04098	48.23478	39.76153	42.52316	67.07043	29.92721	45.12618	1.507864
ACSM1	1	0.007764	0	0.423901	0.120904	0	0.528204	0.032996	0.040131	1.083687	0.709841	0.110514	0.478972	4.334038
ACSM2B	1	0	0	0.092948	0	0	0	0	0	0	0	0.01859	0	0
ACSM3	1	0	0	0.133916	0.062959	0	0	0	0	0.67927	0.014562	0.039375	0.138766	3.524209
ACSM4	1	0.028446	0.003569	0.013806	0	0.008577	0	0	0	0	0	0.01088	0	0
ACSM5	3.27E-13	1.550963	0.956066	2.766002	2.085055	3.694191	0	0	0	0	0	2.210455	0	0
ACSS1	1	1.184084	0.87908	2.418381	2.92218	1.606607	4.475392	5.88259	4.037759	6.744748	15.19086	1.802066	7.26627	4.032188
ACSS2	1	3.87791	3.727405	9.688878	8.576561	5.568192	10.80396	12.00053	19.50931	13.39737	9.909484	6.287789	13.12413	2.087241
ACSS3	1	6.092766	4.38702	8.412069	6.286865	4.248026	7.502457	8.377355	24.27438	4.770397	2.437892	5.885349	9.472497	1.609505
ACTA1	1	2.892927	0.601128	1.010886	1.205966	1.318876	2.180107	1.426179	2.033636	48.51527	12.38801	1.405957	13.30864	9.465897
ACTA2	1	12.78815	3.182949	21.67371	22.50843	7.648483	35.61036	4.283517	8.81654	21.31367	21.07621	13.56034	18.22006	1.343628
ACTB	1	458.4093	406.6709	449.6613	555.3518	870.3855	377.2657	425.8351	321.9889	363.2409	415.7112	548.0958	380.8083	0.694784
ACTBL2	1	0.581194	0.018753	0.036266	0.019892	0	0	0	0	0.343379	0.027604	0.131221	0.074197	0.565432
ACTBP	1	0.544613	0.07455	0.108128	0.039539	0	0	0.070138	0.170608	11.7737	13.0861	0.153366	5.020109	32.7329
ACTC1	1	7.061395	0.259209	0.294872	0.097042	0.073278	10.03356	6.971781	1.640037	45.50892	2.109769	1.557159	13.25281	8.510893
ACTG1	1	530.6655	428.0148	385.5277	451.5488	1052.967	1058.891	832.0376	574.8888	541.4922	785.945	569.7447	758.651	1.331563
ACTG2	1	3.049887	0.197756	4.653022	3.163984	0.435599	3.283854	2.48071	1.244567	4.073721	4.536252	2.30005	3.123821	1.358154
ACTL6A	1	2.817132	2.419192	1.538127	2.15601	1.937737	6.296479	4.073985	5.435258	4.146567	1.707349	2.17364	4.331928	1.992937
ACTL6B	1	12.95868	15.71629	13.14466	10.182	27.39918	47.11838	31.4778	52.7602	29.27316	70.95475	15.88016	46.31686	2.916649
ACTL7A	1	0	0.083666	0	0	0	0	0	0	0	0	0.016733	0	0
ACTL7B	1	0	0.150742	0	0	0	0	0	0	0	0	0.030148	0	0
ACTL8	1	0.040498	0.182938	0	0.048512	0.219796	0	0	0	0	0	0.098349	0	0
ACTL9	1	0	0.029437	0	0	0	0	0	0	0	0	0.005887	0	0
ACTN1	1	15.82702	12.18176	11.57154	21.35307	11.08455	14.92281	35.92069	5.555492	6.753235	8.135211	14.40359	14.25749	0.989857
ACTN2	1	9.367967	10.06447	2.818584	8.506747	4.721898	4.771516	7.094831	1.062031	13.3437	1.526315	7.095934	5.559679	0.783502
ACTN3	1	0.357313	0.176981	0.383334	0.443042	0.306199	0.360865	0.279732	0.324019	0.907387	0.333459	0.333374	0.441092	1.323117
ACTN4	1	40.61675	36.47294	47.87501	55.39456	37.00843	36.39768	42.80034	19.95911	23.08075	19.61807	43.47354	28.37119	0.652608
ACTR10	1	49.89692	48.41415	38.48123	47.44322	57.49576	34.04903	60.852	143.1453	60.70492	51.74534	48.34625	70.09931	1.449943

ACTR1A	1	64.69042	58.96187	79.77743	95.61244	121.2196	91.52909	108.0367	69.52847	64.38202	98.81174	84.05235	86.45761	1.028616
ACTR1B	1	12.82756	11.78389	12.63758	13.89807	28.69003	17.57014	15.88633	10.86954	9.521603	15.73059	15.96742	13.91564	0.871502
ACTR2	1	83.97805	86.78027	55.74754	60.27956	52.79921	55.02043	105.5956	65.10565	85.93785	51.20503	67.91693	72.57291	1.068554
ACTR3	1	55.23348	52.53252	38.67617	41.50277	39.21021	64.90988	81.44121	50.37815	65.94086	41.3361	45.43103	60.80124	1.33832
ACTR3B	0.213754	42.78809	37.0787	31.39074	38.5227	35.82339	10.77811	15.41307	13.68426	11.57924	16.83618	37.12072	13.65817	0.367939
ACTR5	1	2.986526	2.599513	3.287008	3.711875	2.130221	2.038626	2.809393	3.935523	8.75705	2.923817	2.943029	4.092882	1.390704
ACTR6	1	13.89463	15.90702	7.816889	7.190047	9.167176	10.36533	20.01831	15.90221	21.20603	7.370481	10.79515	14.97247	1.386962
ACTR8	1	8.364163	10.15074	8.461097	8.482664	12.41637	10.92072	13.99339	22.76606	16.00488	20.44376	9.575007	16.82576	1.757258
ACTRT2	1	0	0.119827	0	0	0	0	0	0	0	0.198433	0.023965	0.039687	1.655995
ACTRT3	1	1.910442	1.948686	1.5478	1.365722	1.4006	0.040314	0	0.238908	0	0.179279	1.63465	0.0917	0.056098
ACVR1	1	14.71686	12.77233	8.689643	10.42887	11.57323	14.70954	19.62455	24.59139	19.34259	13.14743	11.63619	18.2831	1.571228
ACVR1B	1	11.52908	13.07514	9.423646	11.59605	23.45949	11.44837	15.00166	8.592453	12.41853	13.2942	13.81668	12.15104	0.879447
ACVR1C	1	0.482123	1.311664	1.411894	1.286322	0.059469	0.458747	1.16419	0.651328	0.339873	0.182148	0.910294	0.559257	0.61437
ACVR2A	1	5.082136	5.498544	3.696625	3.595514	2.279258	2.766748	9.032622	6.62234	5.973096	3.699634	4.030415	5.618888	1.394121
ACVR2B	1	3.047739	3.881212	3.356395	2.652705	1.082212	1.824048	1.608738	4.223256	3.73779	2.676008	2.804053	2.813968	1.003536
ACVRL1	1	2.396989	2.215452	5.746726	6.42442	7.631143	17.02932	2.191051	1.228594	2.111412	2.84932	4.882946	5.081939	1.040753
ACY1	0.001357	3.233421	1.895737	4.72418	4.46711	6.542615	23.28924	23.1263	31.41729	30.63559	36.83858	4.172613	29.0614	6.964797
ACYP1	1	40.37476	40.55005	27.58539	38.58602	81.42447	118.7809	61.53281	44.83183	30.2249	29.15709	45.70414	56.90551	1.245084
ACYP2	1	6.11886	6.052611	10.26637	12.94743	9.241597	15.89413	27.26206	28.07823	18.24052	19.58216	8.925374	21.81142	2.443754
ADA	1	1.873853	1.195567	2.635797	3.347993	3.073996	21.21969	10.70824	5.225919	6.074989	4.206089	2.425441	9.486984	3.911446
ADA2	1	1.162696	1.33813	2.490762	2.315397	0.984736	21.62613	3.572245	2.526432	1.2634	1.021793	1.658344	6.002	3.619272
ADAD1	1	0	0.382807	0	0	0	0	0	0	0	0	0.076561	0	0
ADAD2	1	0	0.01936	0	0	0.046522	0	0	0	0	0	0.013177	0	0
ADAL	1	1.586728	1.560689	1.341427	1.094218	1.816367	4.759787	4.300405	5.271016	8.589545	4.417937	1.479886	5.467738	3.694702
ADAM10	1	15.09911	16.51012	15.47026	13.76404	8.856714	12.54422	21.71044	35.87083	22.76082	14.60593	13.94005	21.49845	1.542208
ADAM11	1	7.861507	9.301403	22.55518	10.35061	12.58669	5.539435	12.38645	21.8374	5.41502	31.17732	12.53108	15.27113	1.21866
ADAM12	1	1.330479	0.251494	1.484034	0.759265	0.061983	0.358601	0.667365	0.19185	0.442796	0.569536	0.777451	0.44603	0.573708
ADAM15	1	8.216285	7.025481	12.99903	19.44278	13.20135	18.83018	8.122216	19.29358	7.330307	13.65821	12.17699	13.4469	1.104288
ADAM17	1	3.280733	3.491966	4.655329	4.59197	4.737068	12.69324	9.786045	19.04345	10.49809	29.35359	4.151413	16.27488	3.920324
ADAM18	0.002644	0	0.053536	0	0.018929	0.021441	0.248094	1.208837	0.490078	0	0.013134	0.018781	0.392029	20.8733
ADAM19	1	1.568168	1.309658	2.676223	2.066691	1.829319	4.379916	5.754097	8.607672	2.598921	2.136736	1.890012	4.695468	2.484359
ADAM1A	1	0.013565	0.015319	0	0.024374	0	0	0	0.140233	0	0.033825	0.010652	0.034811	3.268159
ADAM2	1	0	0.26639	0	0	0	0	0	0	0.035866	0.023066	0.053278	0.011787	0.221227
ADAM20	1	0.005249	0	0	0	0.014244	0	0	0	0	0	0.003899	0	0
ADAM21_1	1	0	0.029612	0	0	0	0	0	0	0	0	0.005922	0	0
ADAM21_2	1	0.039706	0.10089	0	0	0.053874	0	0	0	0.025658	0	0.038894	0.005132	0.131938
ADAM22	1	16.97227	26.88428	17.90718	9.434507	11.32725	6.954506	22.25467	37.00925	43.96527	34.10439	16.5051	28.85761	1.748406
ADAM23	1	31.45718	38.57934	24.08858	26.16591	30.80757	10.94084	41.43417	11.99107	15.41401	9.299397	30.21972	17.8159	0.589545
ADAM29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ADAM32	1	0.173168	0.666681	0.137525	0.132005	0.213601	0	0.183987	0.061029	0.325533	0.013085	0.264596	0.116727	0.441151
ADAM33	1	12.18635	3.420561	13.06647	3.628308	2.641968	0.261284	0.645395	2.688199	5.807354	3.285233	6.988731	2.537493	0.363084
ADAM3A	1	0.007243	0.286281	0.031636	0	0	0	0	0	0.037443	0.072241	0.065032	0.021937	0.337323
ADAM7	1	0	0.005973	0	0.006336	0	0	0	0	0	0	0.002462	0	0
ADAM8	1	0.109446	0.148317	1.063662	0.852178	0.28215	0.057277	0	0.028286	0.367767	0.473032	0.49115	0.185272	0.377221
ADAM9	1	6.557518	6.372248	6.967972	5.134815	2.003822	12.12784	22.76675	21.85656	24.94483	14.92296	5.407275	19.32378	3.573664
ADAMDEC1	0.40519	0	0	0.034169	0.007497	0	1.031664	0.146282	0.186001	0.404408	0.135242	0.008333	0.38072	45.68722

ADAMTS1	1	3.139701	1.140395	2.253559	1.616397	0.634222	8.330929	6.915336	4.775175	7.682426	5.270543	1.756855	6.594882	3.7538
ADAMTS10	1	2.18749	1.522267	2.642629	2.98865	3.914636	5.115436	2.855986	4.064367	1.711561	3.990144	2.651134	3.547499	1.338106
ADAMTS12	1	0.149205	0.033225	0.082612	0.045312	0.011405	0.989794	0.245604	0.255264	0.564921	0.178161	0.064352	0.446749	6.942288
ADAMTS13	1	0.722797	1.119569	0.586569	1.23961	2.16508	0.516753	0.77215	5.655124	1.184278	1.313148	1.166725	1.888291	1.618454
ADAMTS14	1	0.133928	0.104709	0.044999	0.139864	0.298205	0.23363	0.335672	0.381631	0.24854	0.182674	0.144341	0.276429	1.915112
ADAMTS15	1	0.427966	0.546344	0.690836	0.735552	0.067325	0.259674	0.421753	0.128238	0.128257	1.051667	0.493605	0.397918	0.806147
ADAMTS16	1	0.249593	0.346912	0.410922	0.303585	0.187563	0.984674	0.383499	1.131332	0.119105	0.829812	0.299715	0.689684	2.301134
ADAMTS17	1	0.9168	0.577079	0.367627	0.597725	0.595463	1.195546	2.9382	6.85966	7.925109	7.535194	0.610939	5.290742	8.660017
ADAMTS18	1	0.929647	0.504082	0.432449	0.209055	0.182148	0.61473	3.30193	0.294906	6.957333	5.032259	0.451476	3.240232	7.176969
ADAMTS19	1	0.509954	0.929658	0.461398	0.200715	0.484347	1.696567	0.781759	0.677801	5.140742	2.670299	0.517214	2.193434	4.240861
ADAMTS2	1	0.722974	0.162364	1.300836	0.649534	0.156061	0.60193	0.261866	1.082871	0.276066	1.338394	0.598354	0.712225	1.190308
ADAMTS20	1	0.400526	0.343364	0.638492	0.371223	0.071402	0.642595	0.72685	0.377787	1.148641	0.728987	0.365001	0.724972	1.986217
ADAMTS3	1	1.738734	1.923858	0.886508	1.320905	1.08418	0.919972	1.670775	0.049562	0.842683	0.355981	1.390837	0.767795	0.552038
ADAMTS4	1	1.463049	1.898917	4.160472	3.505156	1.254484	7.869301	8.776183	1.273518	2.048431	2.068954	2.456416	4.407277	1.79419
ADAMTS5	1	0.059939	0.14102	0.403622	0.179501	0.054218	0.07842	0.4564	0.271091	0.309863	1.220573	0.16766	0.467269	2.787004
ADAMTS6	1	1.039894	2.059381	0.663772	0.806384	0.988357	1.038469	1.184923	0.357041	1.129713	0.25888	1.111557	0.793805	0.714138
ADAMTS7	1	0.321764	0.053549	0.236706	0.247493	0.073529	0.106351	0.028789	0.17507	0.140076	0.123867	0.186608	0.114831	0.615356
ADAMTS8	1	0.688632	1.1076	0.592464	0.516609	1.472326	0.364024	2.882275	0.035954	0.143838	1.214115	0.875526	0.928041	1.059981
ADAMTS9	1	0.650088	0.432673	0.610014	0.432303	0.623816	0.685599	0.640804	0.376908	1.277841	1.536761	0.549779	0.903583	1.643538
ADAMTSL1	1	2.206877	1.729877	1.249016	1.864493	1.430237	0.52817	1.491681	0.243444	0.498553	1.54721	1.6961	0.861812	0.508114
ADAMTSL2	1	0.919591	1.329508	1.975246	3.480243	1.357425	0.793273	1.309881	2.807559	5.145763	8.155692	1.812403	3.642433	2.009726
ADAMTSL3	1	2.133537	0.608259	1.15347	1.136933	0.305095	0.875725	1.589003	0.554104	2.824987	1.103982	1.067459	1.38956	1.301746
ADAMTSL4	1	0.505924	0.195093	0.494069	0.955873	0.468799	2.884448	1.940357	1.764636	2.360278	0.280338	0.523951	1.846011	3.523249
ADAMTSL5	0.01274	2.991062	2.941335	7.098308	3.725031	13.49217	0.183885	0.037332	0.068108	0.272471	0.927257	6.049582	0.297811	0.049228
ADAP1	1	35.6925	33.28878	46.1764	74.86312	46.17438	76.03142	22.32091	11.67491	8.750748	16.56382	47.23904	27.06836	0.573008
ADAP2	1	1.108792	0.942351	2.646239	2.642737	0.589372	5.802672	4.299325	1.861169	4.25472	1.52015	1.585898	3.547608	2.23697
ADAR	1	20.10116	18.34112	21.86902	23.59316	15.30249	16.24696	25.55401	24.68702	18.73553	22.60856	19.84139	21.56642	1.086941
ADARB1	1	12.33774	11.9961	24.29381	19.31883	13.27587	8.466191	7.200675	3.303039	5.311541	11.85854	16.24447	7.227998	0.444951
ADARB2	0.515326	1.703481	1.086919	4.817835	4.907618	0.046227	0.356595	0.886854	0.220128	0.396287	0.934479	2.512416	0.558868	0.222443
ADAT1	1	0.776329	0.854573	0.91624	0.974579	0.590515	0.400123	0.46657	0.516794	0.527004	0.391066	0.822447	0.460311	0.559685
ADAT2	1	2.596599	2.276257	1.605452	1.406094	3.539245	3.412726	2.166745	3.00299	1.961421	0.827805	2.284729	2.274337	0.995452
ADCK1	1	1.740543	1.773839	2.670165	2.796932	2.37315	3.065899	4.384153	3.028147	2.677447	1.383169	2.270926	2.907763	1.280431
ADCK2	1	3.250043	3.184305	6.186172	6.347619	8.575529	3.697509	4.053626	15.32171	8.433978	13.44258	5.508734	8.98988	1.631932
ADCK5	1	2.873814	2.845854	5.669168	4.246933	6.632717	3.211977	1.40393	2.873845	3.844793	6.403659	4.453697	3.547641	0.796561
ADCY1	1	33.63944	39.20453	44.738	44.03947	2.625748	77.66091	41.33265	19.90807	7.417811	35.88859	32.84944	36.44161	1.109353
ADCY10	1	0.093856	0.208329	0.056546	0.205474	0.48304	0.237121	0	0	0.669243	0.844659	0.209449	0.350204	1.672027
ADCY2	1	47.13188	46.82932	27.21023	38.55501	53.32606	36.00374	64.75574	8.74957	9.26416	19.36714	42.6105	27.62807	0.648386
ADCY3	1	6.92997	5.856196	7.009903	10.0228	5.541641	8.757468	15.16781	10.7143	3.958882	4.10191	7.072101	8.540075	1.207573
ADCY4	1	0.812253	0.384811	1.28069	1.200816	1.322513	8.854079	3.342541	9.625703	1.044643	0.533508	1.000217	4.680095	4.679081
ADCY5	1	8.219505	6.873359	10.77612	20.55228	4.814444	54.39729	22.69076	9.051674	7.099962	11.25561	10.24714	20.89906	2.039501
ADCY6	1	5.525589	4.487326	8.470769	8.793644	6.37168	11.2625	8.01421	8.687017	7.263973	9.119218	6.729802	8.869383	1.317926
ADCY7	1	4.520097	2.74071	6.113357	5.890315	2.701676	6.422539	2.988737	1.824634	1.43996	0.783941	4.393231	2.691962	0.612752
ADCY8	1	7.579357	9.749286	12.42802	9.457326	14.98122	7.978791	10.68902	7.07743	10.14077	5.254467	10.83904	8.228096	0.759117
ADCY9	1	4.854046	4.873666	6.087969	6.021882	3.586978	1.484909	3.305849	2.160588	2.039262	2.912863	5.084908	2.380694	0.468188
ADCYAP1	1	10.42299	5.317818	4.669758	5.407281	11.63784	4.30382	5.34615	2.377313	2.550866	0.445567	7.491138	3.004743	0.401106
ADCYAP1R1	1	30.7874	23.50719	40.54059	43.28625	31.2963	20.62073	37.10603	15.49074	19.52103	48.12314	33.88355	28.17233	0.831446

ADD1	1	64.53105	59.67676	75.6971	99.47098	69.79389	109.1489	73.88438	57.08564	42.23678	46.35618	73.83395	65.74237	0.890408
ADD2	1	52.34594	43.60168	28.65462	36.76619	19.86943	10.90837	17.06233	16.09517	13.73039	16.74561	36.24757	14.90837	0.411293
ADD3	1	44.26081	31.11109	29.05837	26.36459	21.89613	48.98457	47.04116	74.3237	122.9442	65.82013	30.5382	71.82276	2.351899
ADGB	1	0.3506	0.147637	0.304981	0.224228	0.040314	0.637517	0.87128	0.867712	2.119676	0.66184	0.213552	1.031605	4.830699
ADGRA1	3.53E-08	2.323349	3.719696	5.909398	10.77692	7.915861	0.20912	0.618641	0.250805	0.059021	0.502938	6.129044	0.328105	0.053533
ADGRA2	1	2.764003	0.949673	4.605659	3.994263	3.219595	1.194039	0.512534	1.036131	0.842506	0.818159	3.106639	0.880674	0.283481
ADGRA3	1	2.820301	3.320175	6.982222	8.114959	4.194543	3.70371	2.663554	7.061413	3.713242	4.846313	5.08644	4.397646	0.864582
ADGRB1	1	16.87728	15.31787	23.4871	33.91081	18.94107	14.3955	19.09238	4.877481	13.42559	21.53653	21.70683	14.6655	0.675617
ADGRB2	1	15.03312	16.15744	18.56739	35.04604	28.47464	19.7417	27.32576	0.588945	1.830526	2.494344	22.65573	10.39625	0.45888
ADGRB3	1	19.9242	24.03155	10.74956	10.42889	10.78793	7.973256	29.27101	15.01144	19.81934	18.90555	15.18443	18.19612	1.198341
ADGRD1	1	4.575316	1.204059	1.559886	1.707049	3.876459	2.257177	4.186609	2.006444	1.872954	0.556375	2.584554	2.175912	0.841891
ADGRD2	1	0	0.004464	0.362598	0.189413	0	0	0	0	0	0.013143	0.111295	0.002629	0.023617
ADGRE3	0.332871	0.014369	0.016228	0	0.068852	0	0.376	0.030534	0.037137	0.371424	4.574328	0.01989	1.077885	54.19268
ADGRE5	1	1.846366	1.325776	2.40404	2.302689	2.714903	1.064167	0.725922	0.686695	0.252292	0.139717	2.118755	0.573759	0.2708
ADGRF1	1	0.034941	0.026306	0.012718	0.020928	0	0.25905	0	0.030101	0	0.038723	0.018979	0.065575	3.455168
ADGRF2	1	0.006202	0.056035	0.182868	0.003715	0.033663	0	0	0.01603	0.016032	0	0.056497	0.006412	0.1135
ADGRF3	1	0.063688	0.087906	0.216365	0.148344	0.220836	0.16665	0.045111	0.100588	1.390141	0.323494	0.147428	0.405197	2.748437
ADGRF4	1	0	0	0	0.020934	0	0	0	0	0	0.038735	0.004187	0.007747	1.850285
ADGRF5	1	9.092965	8.049194	7.750832	7.492075	5.694922	25.43521	4.012857	3.641315	5.891219	2.642268	7.615998	8.324575	1.093038
ADGRG1	1	5.693785	3.990758	16.35109	11.70839	10.0569	15.84887	25.6378	11.59033	17.78474	30.00041	9.560184	20.17243	2.110046
ADGRG2	1	0.006917	0	0.151074	0.165727	0	0.488717	0.507124	1.537487	0.339727	0.137989	0.064744	0.602209	9.301405
ADGRG3	1	0.062098	0	0.025429	0.023246	0	0.264047	0.42061	0.150459	0	0.406461	0.022155	0.248315	11.20828
ADGRG5	1	0	0	0	0	0.019568	0.13208	0.015323	0.018636	0.242307	0.221759	0.003914	0.126021	32.20061
ADGRG6	1	2.148906	1.675696	1.711093	1.880073	1.059637	0.738302	0.872579	0.195324	1.067929	0.221954	1.695081	0.619218	0.365303
ADGRG7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ADGRL1	1	21.26726	17.95853	29.74062	34.72166	24.06964	17.87355	27.01178	26.94257	19.25681	25.56555	25.55154	23.33005	0.913058
ADGRL2	1	6.504339	5.607898	5.283508	6.910249	1.161352	9.606534	9.40967	6.270649	4.973367	1.170018	5.093469	6.286048	1.234139
ADGRL3	1	10.01113	11.03787	9.198745	7.592635	6.60219	3.54862	8.372554	4.765603	5.433812	4.333055	8.888515	5.290729	0.595232
ADGRL4	1	2.730351	2.188221	2.738219	2.097698	0.85762	10.33025	2.642213	1.713898	4.60677	0.732057	2.122422	4.005038	1.887013
ADGRV1	1	0.863533	0.856027	0.685021	1.469296	0.690919	1.271645	2.445934	0.405318	1.781658	0.439334	0.912959	1.268778	1.389742
ADH1C	1	0.025923	0.029274	0.056614	0.015526	0	0	0	0	6.298477	1.70213	0.025467	1.600122	62.83016
ADH4	1	0	0	0.025524	0.027999	0	0	0	0	0	0.019428	0.010705	0.003886	0.362975
ADH5	1	68.30809	56.61134	53.80295	52.57601	102.417	97.2138	57.76649	92.04363	84.57325	115.3823	66.74307	89.39589	1.339403
ADH6_1	1	0	0	0	0	0	0	0	0	0.136651	0.109853	0	0.049301	#DIV/0!
ADH6_2	6.23E-06	5.45737	4.151197	0.630183	0.811533	9.97514	0	0	0	0	0.020855	4.205085	0.004171	0.000992
ADH7	1	0	0	0	0	0	0	0	0	0	1.715998	0	0.3432	#DIV/0!
ADHFE1	1	7.887262	5.522022	2.433195	4.724051	13.26917	14.06737	24.67032	12.20309	6.125286	17.16811	6.76714	14.84683	2.19396
ADI1	1	6.175466	11.24652	10.07818	9.93792	20.07299	11.7198	15.61007	12.93473	13.5944	37.50923	11.50221	18.27365	1.588707
ADIG	1	0	0.024763	0.023944	0.052534	0	0	0.09319	0	0.39675	0.018225	0.020248	0.101633	5.019369
ADIPOQ	1	0.05573	0.139857	1.933857	1.594778	0.100821	0	0	0	0.256091	0	0.765009	0.051218	0.066951
ADIPOR1	1	19.00033	18.07029	24.74182	31.66518	38.38513	20.19323	25.5888	25.09614	12.57353	20.47393	26.37255	20.78513	0.788135
ADIPOR2	1	4.11433	5.604574	12.55174	16.653	6.653447	13.24428	8.962885	6.234604	5.661691	7.241224	9.115417	8.268937	0.907138
ADIRF	1	21.82113	9.857091	21.41865	31.42601	101.2649	64.15568	7.606567	4.308867	20.02647	25.75861	37.15756	24.37124	0.655889
ADK	1	14.424	13.65642	12.14674	10.21853	15.21135	11.97167	17.47733	11.71143	11.41974	11.52429	13.13141	12.82089	0.976353
ADM	1	3.12847	0.829289	3.427213	3.217372	2.374915	1.579322	1.154288	0.701944	3.536232	4.331014	2.595452	2.26056	0.87097
ADM2	0.098099	0.280777	0.39929	0.147624	0.168171	2.102382	0	0	0	0.10752	0.017287	0.619649	0.024961	0.040283

ADM5	1	0.13755	0.370417	0.277296	0.608383	0.459404	0.166118	0.022484	0.273454	0.328193	0.773906	0.37061	0.312831	0.844097
ADNCR	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ADNP	1	22.52223	21.49322	21.33882	23.12286	16.59777	13.81205	20.85126	30.34049	26.07179	21.48122	21.01498	22.51136	1.071205
ADNP2	1	3.575368	3.289254	3.65929	3.651874	3.762898	3.663956	4.492045	6.324185	6.289965	5.384138	3.587737	5.230858	1.457982
ADO	1	10.27565	12.01423	10.92135	13.33811	13.69066	8.484255	15.031	15.69646	9.319173	11.59776	12.048	12.02573	0.998152
ADORA1	1	9.40961	11.73349	29.22246	27.85124	17.90988	2.006432	3.80579	13.53235	5.776154	2.221552	19.22534	5.468456	0.28444
ADORA2A	1	0.143941	0.286404	0.658662	4.433814	0.409209	2.762066	1.529337	0.549154	0.212607	0.478556	1.186406	1.106344	0.932517
ADORA2B	1	3.423242	4.338278	5.760983	7.59802	15.10421	0	0.072561	0	2.736183	2.440843	7.244947	1.049917	0.144917
ADORA3	1	0.306269	0.197641	0.310552	0.524112	0.178096	2.117997	0.859995	0.169615	0.226186	0.072732	0.303334	0.689305	2.272429
ADPGK	1	3.688275	3.136963	3.089453	3.530832	2.70809	4.791837	6.514769	4.267525	3.297509	3.63422	3.230723	4.501172	1.39324
ADPRH	1	3.928938	3.573853	5.17273	4.105627	2.430512	1.20827	1.336484	2.057572	1.728612	0.946264	3.842332	1.45544	0.378791
ADPRHL1	1	0.410594	0.652596	2.690165	2.67784	0.742812	1.910021	1.066379	1.572085	1.415082	0.682544	1.434801	1.329222	0.926416
ADPRHL2	1	4.646342	3.961331	5.777001	7.411914	8.769873	9.750406	9.824364	16.16946	13.61524	31.69805	6.113292	16.2115	2.651845
ADPRM	1	1.604333	1.538577	1.807516	1.525254	2.038605	1.732508	1.352828	2.928741	5.265918	1.291136	1.702857	2.514226	1.476475
ADRA1A	1	0.243029	0.719138	0.517328	0.582245	0.192006	0.080497	0.947866	0	0.636137	0.005114	0.450749	0.333923	0.740817
ADRA1B	1	0.715256	0.33044	1.940779	1.843419	0.794033	1.417866	9.925292	1.372399	0.560244	0.450376	1.124785	2.745236	2.440675
ADRA1D	1	0.022043	0	0.192567	0.224447	0	0.692158	0.374727	0	0.056978	0.293146	0.087811	0.283402	3.227394
ADRA2A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ADRA2B	1	0.209608	0.094685	0.640886	0.619351	0.151682	0	0.059388	0.108344	0.21672	0.162605	0.343242	0.109411	0.318758
ADRA2C	1	1.554865	0.851354	2.346164	3.172001	2.531635	0.59179	0.56068	1.095943	0.292294	2.020768	2.091204	0.912295	0.436254
ADRB1	1	1.605203	0.966808	0.964068	2.259364	0.1452	0	0.909594	0	0.207458	0.51144	1.188129	0.325698	0.274127
ADRB2	1	0.342312	0.773149	0	0	1.531465	2.711352	0.747054	3.969127	0.191311	0.215311	0.529385	1.566831	2.959719
ADRB3	1	0.027166	0.061358	0.296649	0.412201	0.098293	0.09478	0.365603	0.046806	0	0	0.179134	0.101438	0.566269
ADRM1	1	23.11596	23.06216	22.6058	31.10983	28.74028	25.13007	18.82045	21.47674	20.06626	63.30494	25.72681	29.75969	1.156758
ADSL	1	11.73805	13.43259	18.77303	23.00225	23.09766	20.53936	13.0214	25.2336	9.957985	10.00644	18.00872	15.75176	0.874674
ADSS	1	15.60416	13.02955	8.640168	8.932054	9.598367	16.81723	26.31393	30.0465	22.16276	11.60057	11.16086	21.3882	1.916357
ADSSL1	1	3.024389	3.936621	3.041608	5.153004	7.089051	11.38554	6.794414	19.93492	13.29188	28.2063	4.448934	15.92261	3.578972
ADTRP	0.339569	0.086374	0.097542	0.047159	0.071133	0.21974	0	0	0.027903	0.027908	0	0.10439	0.011162	0.106928
AEBP1	1	21.56831	2.239626	10.97771	10.15398	4.984911	6.743745	1.922596	2.775294	4.204887	12.79188	9.984907	5.68768	0.569628
AEBP2	1	8.383942	8.939362	4.424191	5.985059	5.127695	5.122569	10.15571	9.074087	11.0445	6.86941	6.57205	8.453255	1.286243
AEN	1	0.82629	0.855373	1.553948	0.955439	1.339139	0.60059	0.975458	0.726663	0.622945	0.992022	1.106038	0.783536	0.708417
AES	1	108.6772	115.2994	107.8849	120.0324	275.8163	294.4236	137.9982	89.35426	79.32993	204.8342	145.542	161.1881	1.107502
AFAP1	1	3.191584	2.269458	3.402044	5.472673	1.903851	1.319282	0.672131	0.516298	1.167986	5.92221	3.247922	1.919581	0.591018
AFAP1L1	1	1.830135	0.929058	0.826291	0.632396	1.301288	3.729776	1.36487	0.625345	0.454862	0.292528	1.103834	1.293476	1.171803
AFAP1L2	1	7.969957	7.579385	10.72958	4.826875	13.65969	13.98629	4.065122	5.13305	15.88602	32.77845	8.953098	14.36979	1.605007
AFDN	1	12.00056	11.20995	15.26051	17.06287	8.775346	10.54187	5.910477	7.070108	10.55778	10.52593	12.86185	8.921233	0.69362
AFF1	1	4.058359	4.004545	3.06149	2.815739	1.480422	1.253718	1.64311	5.032811	0.686671	0.784642	3.084111	1.88019	0.609638
AFF2	1	1.953312	1.920014	1.799701	1.5936	1.018231	4.556826	3.284691	2.032281	2.515198	1.095285	1.656971	2.696856	1.627582
AFF3	1	10.4453	10.25942	12.94264	11.46703	5.703084	18.20356	5.003611	12.70489	11.39838	12.59103	10.16349	11.98029	1.178757
AFF4	1	10.31138	15.01542	17.35747	14.34606	6.414231	9.486288	18.77508	25.17984	28.85736	16.53247	12.68891	19.76621	1.557754
AFG1L	1	1.320934	1.866757	1.998456	1.706097	0.841075	2.896459	3.214628	4.939635	2.899358	0.66243	1.546664	2.922502	1.889552
AFG3L2	1	32.69645	29.49449	26.98468	30.77068	29.0881	23.27838	39.14463	34.30514	20.9378	35.36001	29.80688	30.60519	1.026783
AFM	1	0.020752	0	0	0	0	0	0.014699	0	0.607932	0	0.00415	0.124526	30.00293
AFMID	6.27E-06	1.223968	1.824095	7.08809	10.77404	6.465929	0.052503	0.063956	0.479677	0.025932	0.041693	5.475225	0.132752	0.024246
AFP	1	0	0	0	0	0	0.917212	0.078406	0	0	0.184008	0	0.235925	#DIV/0!
AFTPH	1	16.47515	18.35655	11.23627	9.136309	11.17405	15.18134	22.9895	22.07003	21.87952	15.17765	13.27566	19.45961	1.465811

AGA	1	6.750941	3.755503	3.016226	3.657068	5.399789	4.850132	4.015942	7.162131	3.006184	3.156748	4.515906	4.438228	0.982799
AGAP1	1	7.210437	7.922172	14.20555	11.80188	1.349431	27.06945	8.283593	7.940515	5.875918	8.421305	8.497894	11.51816	1.355413
AGAP2	1	51.46466	48.96014	48.51176	69.12608	77.82913	155.0743	62.8367	24.03891	27.18255	36.88964	59.17836	61.20441	1.034236
AGAP3	1	18.9784	16.26485	29.27368	36.89774	12.03033	36.58107	20.54299	17.82425	18.37994	57.08634	22.689	30.08292	1.325881
AGBL1	1	0.023732	0.0201	0.064787	0.06041	0.0161	0	0.031518	0.038334	0.138021	0.049313	0.037026	0.051437	1.38922
AGBL2	1	0.880295	1.207453	0.841622	1.33057	1.271309	2.866937	3.355808	2.694935	1.855479	0.916945	1.10625	2.338021	2.113465
AGBL3	1	0.034644	0.052165	0.042034	0.110666	0.020892	1.128109	1.022454	0.507367	2.22876	2.956278	0.05208	1.568594	30.11887
AGBL4	1	2.26686	2.089102	0.78237	0.830114	1.960197	0.768344	1.06073	0.136599	0.121439	0.185485	1.585729	0.454519	0.286631
AGBL5	1	2.292357	2.10507	2.170196	2.351955	2.43621	3.891292	2.2499	4.011634	3.170803	3.075871	2.271158	3.2799	1.444153
AGER	1	1.168374	0.457991	1.750327	2.857009	2.253471	0.707461	0.53348	4.267361	0.349425	1.781712	1.697434	1.527888	0.900116
AGFG1	1	7.586297	8.973619	7.26288	7.311273	7.017833	8.650123	11.59567	9.831281	8.309765	4.89714	7.630381	8.656795	1.134517
AGFG2	1	4.521881	4.706571	14.10567	10.82444	4.417524	7.572636	11.8348	15.77684	10.09085	16.8378	7.715216	12.42259	1.610141
AGGF1	1	16.00175	18.24627	10.67431	11.52923	4.412593	5.701873	8.39572	7.541319	8.649448	7.060802	12.17283	7.469832	0.613648
AGK	1	6.961878	5.514433	6.986984	6.392393	6.941803	19.01335	27.67443	17.32309	12.45435	15.85765	6.559498	18.46457	2.814937
AGL	1	5.553236	8.579982	5.685182	5.391479	3.607872	4.374517	7.010939	8.508914	14.10735	10.03641	5.76355	8.807627	1.52816
AGMAT	1	0.03826	0.097216	0.062669	0.148952	0.064891	0.250284	0.081301	0.02472	0.321409	0.063601	0.082398	0.148263	1.799361
AGMO	1	1.651066	0.020267	1.587364	1.612339	0.316554	5.165559	13.70958	9.670518	3.850215	1.357395	1.037518	6.750654	6.506542
AGO1	1	6.938398	6.278517	8.893502	7.300005	7.19303	11.10303	10.3528	16.14561	9.411585	9.375207	7.32069	11.27765	1.540517
AGO2	1	0.967256	2.581865	5.185101	2.607007	0.139195	0.613572	1.012114	0.795396	2.424418	2.704198	2.296084	1.50994	0.657615
AGO3	1	4.069572	6.184556	5.562985	4.806409	2.628957	2.669658	4.195002	7.712299	6.640224	4.814206	4.650496	5.206278	1.11951
AGO4	1	3.409591	3.211902	4.478906	3.032917	2.740636	3.960316	3.06666	12.14907	5.453697	4.536172	3.37479	5.833183	1.728458
AGPAT1	1	9.897204	9.429369	15.85108	20.82302	35.48731	25.45268	19.12309	10.02055	9.476947	13.37681	18.2976	15.49001	0.84656
AGPAT2	1	1.891222	1.661153	2.208592	2.910516	5.809313	5.361082	0.753516	4.58227	1.765279	4.955916	2.896159	3.483613	1.202839
AGPAT3	1	37.4829	31.67304	54.59327	53.30758	10.27149	41.26795	59.96038	47.72292	35.46618	43.10513	37.46566	45.50451	1.214566
AGPAT4	0.181269	6.94076	10.64232	20.23539	30.702	15.60157	5.712303	7.52488	8.139933	2.326033	4.958648	16.82441	5.73236	0.340717
AGPAT5	1	24.19148	25.91944	16.48467	18.6895	19.19099	13.31423	36.36757	19.08457	22.99711	6.512773	20.89521	19.65525	0.940658
AGPS	1	9.453561	12.78154	12.55527	10.6264	5.046444	17.99039	24.44236	16.25048	17.89696	7.490239	10.09264	16.81409	1.665974
AGR2	1	0.085368	0	0	0	0	0	0	0	0.264792	0.312201	0.017074	0.115399	6.758917
AGR3	1	0.025209	0	0	0	0	0	0	0	0	0	0.005042	0	0
AGRN	1	11.07951	8.779306	15.35348	18.46827	21.66183	10.3613	4.943495	2.999969	8.343507	10.92905	15.06848	7.515463	0.498754
AGRP	1	0	0.045368	0	0.060154	0.027254	0	0.042683	0.051912	0.05192	0.016695	0.026555	0.032642	1.229222
AGT	1	42.64258	31.26331	208.7988	313.063	34.93081	0	0.048199	0.02931	16.76802	36.34803	126.1397	10.63871	0.084341
AGTPBP1	1	14.41228	12.82705	7.374091	8.558832	6.736261	10.72605	17.97614	16.23917	10.38445	7.67607	9.981704	12.60037	1.262347
AGTR1	1	0.103392	0.034342	1.540783	1.81408	0.297077	0.063657	0	1.556112	1.257647	0.03033	0.757935	0.581549	0.767282
AGTR2	1	0	0	0.090034	0	0	0	0	1.993883	0	0.01958	0.018007	0.402693	22.36348
AGTRAP	1	3.209997	1.280497	5.510748	6.944382	7.627435	0.752193	0.373293	0.371465	0.825598	0.955717	4.914612	0.655653	0.133409
AGXT	1	0	0	0.081221	0	0	0	0	0	1.666237	0.103037	0.016244	0.353855	21.7834
AGXT2	1	0.010163	0	0	0	0	0	0	0	0.315228	0.016894	0.002033	0.066424	32.68016
AHCTF1	1	4.637616	6.552523	9.314077	6.5992	2.245285	4.713718	7.384349	14.05364	11.72751	9.401544	5.86974	9.456153	1.611
AHCY	1	20.71369	18.73759	21.10587	26.68407	35.70912	22.67795	28.03717	14.25579	16.06006	22.25605	24.59007	20.6574	0.840071
AHCYL1	1	65.64675	60.82796	72.17725	60.8053	73.49339	55.06654	78.70602	136.6281	151.1396	160.5889	66.59013	116.4258	1.748395
AHCYL2	1	22.26617	19.86574	24.53809	21.10047	13.69893	43.33893	38.4015	27.65665	21.80537	17.42023	20.29388	29.72454	1.464704
AHDC1	1	2.782768	3.386528	10.59266	9.899572	3.006905	2.128685	2.092286	4.335443	5.191688	13.37871	5.933688	5.425362	0.914332
AHI1	1	17.83715	20.95859	5.804323	5.885177	4.97129	1.743119	4.062358	8.061291	23.37128	6.534706	11.09131	8.754551	0.789316
AHNAK	1	16.81652	4.707572	17.908	19.49831	5.209121	24.45054	6.396597	12.21876	15.6287	3.08512	12.8279	12.35594	0.963208
AHNAK2	0.364161	1.085001	0.686498	5.305894	5.891964	0.618964	0.076658	0.062253	0.027041	0.113588	0.669623	2.717664	0.189832	0.069851

AHR	1	5.095975	4.76876	5.489782	4.498006	0.693979	1.664766	4.612465	3.981705	2.515127	0.777651	4.1093	2.710343	0.659563
AHRR	1	0	0	0.028784	0	0	0	0.028006	0.034062	0	0	0.005757	0.012414	2.156354
AHSA1	1	68.32744	68.15019	55.58195	67.93164	118.9186	134.5905	122.6615	88.98655	41.91213	63.07302	75.78197	90.24474	1.190847
AHSA2	1	5.321913	4.808054	3.410817	3.002844	6.991509	15.09697	11.034	8.175382	3.856873	2.414265	4.707027	8.115499	1.724124
AHSG	1	0.141694	1.294673	3.375861	2.592305	1.153532	0	0	0	8.856665	0.042826	1.711613	1.779898	1.039895
AHSP	1	0.641491	0.813601	0.538843	0.933948	2.999524	2.169224	0.943709	0.943726	0.05102	0.032811	1.185481	0.828098	0.698533
AICDA	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
AIDA	1	9.668424	7.473045	6.15991	6.643666	7.065203	19.16055	11.49708	11.63513	17.52534	6.334184	7.40205	13.23046	1.787404
AIF1	1	11.41221	8.06651	5.513721	4.425738	18.77077	77.44762	11.42733	6.471749	6.79102	2.900227	9.637788	21.00759	2.17971
AIF1L	1	34.10243	58.56748	111.4682	113.0756	149.7043	54.69987	39.0957	18.63333	22.22159	16.54949	93.38359	30.24	0.323826
AIFM1	1	9.772424	11.16187	10.28894	11.94465	10.51696	11.32794	11.85415	12.3402	16.41485	16.20534	10.73697	13.6285	1.269306
AIFM2	1	1.496462	1.262761	1.93177	1.759283	2.422957	2.73665	2.115998	1.509627	1.98437	0.90627	1.774647	1.850583	1.04279
AIFM3	1	15.83146	7.29837	16.80217	21.23754	17.94961	4.568166	13.70988	5.702948	9.837966	9.508428	15.82383	8.665478	0.547622
AIG1	1	35.41606	36.68756	16.71734	15.32083	48.51174	27.63125	30.81504	45.85886	28.29206	28.41469	30.53071	32.20238	1.054754
AIM2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
AIMP1	1	48.80965	53.25646	24.67763	27.4008	68.70025	65.43433	55.07509	86.27517	49.70102	89.94359	44.56896	69.28584	1.554576
AIMP2	1	7.231993	5.738579	6.43604	6.945793	9.034532	9.586894	8.902388	5.845982	5.682133	14.16688	7.077387	8.836855	1.248604
AIP	1	14.61068	14.39932	16.31495	18.67005	23.04015	27.94728	22.40864	17.63965	27.91736	42.81541	17.40703	27.74567	1.593934
AIPL1	1	0.247367	0.042977	0.083114	0.045588	0	0	0	0.098355	9.148332	0	0.083809	1.849337	22.06603
AIRE	1	0.018102	0	0.039534	0.021684	0.417546	0	0	0	0	0	0.099373	0	0
AIRN	0.88153	4.337289	4.874348	0	0	2.228296	0	0	0	0	0	2.287987	0	0
AJAP1	1	6.974642	5.280338	5.276008	6.067791	1.022122	4.418135	5.519837	1.409821	1.342882	5.052214	4.92418	3.548578	0.720643
AJM1	1	2.362219	2.939634	11.60193	13.48238	1.374319	1.464196	0.880499	1.528543	4.686994	34.14605	6.352097	8.541257	1.344636
AJUBA	1	1.648339	0.747466	1.723508	1.761072	1.554342	2.298126	0.892564	0.921089	0.954124	0.856939	1.486945	1.184568	0.796646
AK1	1	24.1865	21.89406	17.93185	17.40472	63.81049	61.70145	31.60387	31.43367	19.90145	63.58164	29.04552	41.64441	1.433764
AK2	1	7.241531	6.792757	6.728969	7.616709	11.39659	10.68108	5.692267	6.390598	5.884264	3.702696	7.955311	6.470182	0.813316
AK3	1	6.566266	4.667485	6.586857	6.242518	5.996673	6.913351	7.162257	10.3302	16.79686	3.003329	6.01196	8.841198	1.470602
AK4	1	13.33762	10.41569	16.82878	13.61366	11.85522	10.87829	10.53458	11.21261	18.46057	10.33697	13.21019	12.2846	0.929934
AK5	1	81.34735	62.20753	20.25752	40.18628	48.41243	30.3675	44.25489	10.19103	1.244023	1.463726	50.48222	17.50423	0.346741
AK6	1	14.7319	14.02763	11.99027	11.42687	32.15583	34.71752	38.59597	27.9641	21.99611	39.89022	16.8665	32.63279	1.934769
AK7	1	1.142915	1.8314	1.905793	1.961131	1.613617	0	0.098458	0	0.59883	0.513488	1.690971	0.242155	0.143205
AK8	1	0.664438	2.668979	1.579685	3.224004	5.295079	2.508881	0.571908	0.412998	1.086995	3.998632	2.686437	1.715883	0.638721
AK9	1	0.073673	0.051199	0.136145	0.193476	0.053826	1.215977	0.144508	1.113125	0.205079	2.906276	0.101664	1.116993	10.98714
AKAIN1	1	2.902862	4.070756	2.264192	1.432962	4.306608	6.009875	5.778672	9.006861	10.63665	8.153017	2.995476	7.917015	2.642991
AKAP1	0.664639	5.569795	5.454722	7.940302	7.207821	6.618144	1.804622	2.60711	1.459502	2.19603	3.09044	6.558157	2.231541	0.340269
AKAP10	1	7.928278	8.981343	8.695283	9.065274	5.991956	8.608471	11.32593	11.63025	8.299412	4.212495	8.132427	8.815313	1.083971
AKAP11	1	35.10213	50.4629	41.6971	39.06078	15.72373	41.98764	28.5317	25.46686	35.03445	36.11122	36.40933	33.42637	0.918072
AKAP12	1	30.0126	20.8061	45.26047	45.99483	10.44509	53.66606	25.45425	21.44668	23.04664	28.64542	30.50382	30.45181	0.998295
AKAP13	1	3.460899	3.462599	6.841943	6.240253	2.634755	2.763915	2.927525	1.709623	2.02013	0.450055	4.52809	1.97425	0.436001
AKAP14	1	0.033114	0.043628	0.108478	0.0595	0.029953	0.086647	0.023455	0.114107	0.171185	0.229357	0.054934	0.12495	2.274532
AKAP17A	1	4.912538	4.637125	6.969343	10.00193	8.442458	3.681255	3.086705	5.365206	11.64848	6.949417	6.99268	6.146212	0.878949
AKAP2	1	20.03955	19.16045	19.22368	23.12234	14.26254	13.57466	14.24655	6.117634	7.107747	6.470216	19.16171	9.503363	0.495956
AKAP3	1	0.098269	0.221951	0.138869	0.152338	0.031373	0.726031	0.589598	0.343606	1.255092	1.566289	0.12856	0.896124	6.970486
AKAP4	1	0.104592	0.64226	0.171319	0.156613	0.212872	0	0	0	0	0	0.257532	0	0
AKAP5	1	22.7598	21.46091	0.053312	0.146206	10.68984	13.70103	16.74792	0.922658	0.252388	0.035506	11.02201	6.3319	0.574478
AKAP6	1	35.65228	36.57359	29.8735	30.38377	16.97803	20.99539	26.36707	11.51344	19.22707	12.42499	29.89223	18.10559	0.605696

AKAP7	1	12.09811	10.715	3.687018	4.446692	3.792817	8.756386	12.2312	5.64487	3.055925	2.614859	6.947928	6.460649	0.929867
AKAP8	1	5.957323	6.571442	8.706071	7.662878	7.761392	12.97733	11.52537	23.63073	16.13917	21.62086	7.331821	17.17869	2.343032
AKAP8L	1	8.187257	8.398177	13.42964	14.18175	11.55616	10.05996	8.072623	19.01998	12.18616	17.48185	11.1506	13.36411	1.198511
AKAP9	1	22.31378	27.84863	16.78526	13.35445	3.481268	3.724794	7.592602	19.13265	12.06211	10.57447	16.75668	10.61733	0.633618
AKIP1	1	8.635102	8.445832	7.413149	8.400258	31.02446	11.9076	21.0837	8.001318	17.93327	14.60244	12.78376	14.70567	1.15034
AKIRIN1	1	29.65243	32.46261	21.15749	24.68811	26.58991	20.48514	30.75561	21.30053	24.58511	18.06377	26.91011	23.03803	0.856111
AKIRIN2	1	27.2427	26.94509	22.18462	25.72116	46.23376	71.45855	40.67357	28.48125	32.52674	34.73274	29.66546	41.57457	1.401447
AKNA	1	0.271119	0.449815	1.198849	1.559709	0.390572	2.172077	1.209131	0.873703	3.045429	0.723331	0.774013	1.604734	2.073266
AKNAD1	1	0.074331	0.183429	0.078161	0.095636	0.201709	0.028815	0.00585	0	0	0	0.126653	0.006933	0.054739
AKR1A1	1	13.02247	11.09688	13.12419	14.61863	29.38918	53.08301	24.613	13.48281	9.490548	25.64351	16.25027	25.26257	1.554594
AKR1B1	1	15.25654	10.98814	10.30532	12.7916	36.06323	16.11555	15.50059	14.6159	21.97244	21.02101	17.08097	17.8451	1.044736
AKR1B10	1	0.069921	0.031585	0	0	0.151795	0	0	0	0	0	0.05066	0	0
AKR1C3	1	0	0	0	0	0	0	0	0	0.066093	0	0	0.013219	#DIV/0!
AKR1C4	1	0.131335	0.029663	0.114732	0.094395	0.07128	0	0	0	0	0	0.088281	0	0
AKR1D1	0.039061	0	0	0	0	0	0.553337	0.674034	1.093047	1.161531	0.109853	0	0.71836	#DIV/0!
AKR7A2	1	3.418542	2.510171	4.209205	5.982481	6.833527	7.362285	5.709745	4.762916	6.109056	17.58615	4.590786	8.30603	1.809283
AKR7L	1	0.026474	0	0.023128	0.038056	0.086211	0	0.011251	0.013684	0.10949	0.044009	0.034774	0.035687	1.02626
AKT1	1	19.911	19.77357	28.91954	32.29451	22.09296	25.60274	13.93477	13.54686	16.29704	33.60547	24.59832	20.59738	0.837349
AKT1S1	1	2.304023	2.487302	3.171445	4.383179	5.869075	2.309906	1.453773	2.521016	1.825436	4.240943	3.643005	2.470215	0.678071
AKT2	1	5.909923	5.312522	18.16213	13.6528	8.75286	12.29592	16.02906	26.15332	17.15396	22.02965	10.35805	18.73238	1.808486
AKT3	1	56.55822	65.67884	35.31148	38.60881	41.37777	42.75231	38.50718	34.67477	46.80791	30.32206	47.50702	38.61285	0.812782
AKTIP	1	29.94904	31.10759	11.13024	11.49007	39.68644	24.41441	22.01948	20.97168	13.77609	11.12737	24.67267	18.46181	0.748269
ALAD	1	12.00668	9.285689	17.31136	13.8604	41.66801	24.85687	37.69129	43.78895	31.79991	52.05937	18.82643	38.03928	2.020525
ALAS1	1	24.24486	20.61191	16.42835	18.72481	24.49557	27.68634	30.10697	40.14222	24.57172	40.49542	20.9011	32.60054	1.559752
ALAS2	1	0.027592	0	0.040173	0.066104	0	0.240662	0.488595	1.331114	1.949415	7.843245	0.026774	2.370606	88.54183
ALB	0.042446	1.247168	1.367009	1.341855	0.834868	1.96594	6.670812	1.675842	1.422015	457.7185	20.62538	1.351368	97.6225	72.23975
ALCAM	1	66.84448	36.70269	18.32341	19.08782	17.88815	30.21274	64.48434	8.97792	15.44664	2.365833	31.76931	24.29749	0.76481
ALDH16A1	1	2.312284	1.653808	5.625068	4.224052	3.869446	3.663895	4.217409	8.316551	4.250193	7.655542	3.536931	5.620718	1.589151
ALDH18A1	1	9.775689	9.438466	9.593936	10.8129	11.10779	4.312285	7.651957	8.310943	8.464288	4.93651	10.14576	6.735196	0.663844
ALDH1A1	1	30.32358	1.847433	38.92096	14.10062	5.530523	19.75296	10.1179	9.87296	2.834755	3.509411	18.14462	9.217597	0.508007
ALDH1A2	1	9.072659	0.382797	1.445879	1.027805	0.143726	0	0.056272	0.273763	0.574985	5.573129	2.414573	1.29563	0.536588
ALDH1A3	1	1.317838	0.22896	0.29519	0.340013	0.385127	2.33426	2.139746	4.104519	5.310448	1.482926	0.513426	3.07438	5.987975
ALDH1B1	0.018141	0.091614	0.141082	0.11823	0.209511	0.079103	1.351167	2.017543	0.634978	1.636112	1.979811	0.127908	1.523922	11.91419
ALDH1L1	1	3.780388	2.293072	7.414975	10.06554	4.793381	9.359248	25.99368	12.92738	24.97666	21.11221	5.669471	18.87383	3.329029
ALDH1L2	1	4.172067	3.53737	4.505514	5.064697	3.357199	2.6173	2.824633	5.000072	7.824381	6.235267	4.127369	4.90033	1.187277
ALDH2	1	41.21309	47.21731	35.73395	48.89516	94.36786	87.40856	69.28274	37.31873	53.72777	60.02452	53.48547	61.55247	1.150826
ALDH3A1	1	0.224026	0.112442	0.135907	0.149089	0.371515	0.781602	0.528939	0	6.369745	0.786192	0.198596	1.693296	8.526339
ALDH3A2	0.008625	36.14003	32.4153	41.11893	47.89655	53.01327	3.98045	5.122203	7.953598	12.94538	16.81605	42.11681	9.363537	0.222323
ALDH3B1	1	1.246893	0.898971	4.015514	4.826921	1.471986	2.543799	1.661604	0.801079	1.493138	3.442876	2.492057	1.988499	0.797935
ALDH4A1	1	3.22976	2.784215	6.777547	7.538177	6.752724	2.706789	8.755918	5.361769	4.129608	5.502684	5.416485	5.291354	0.976898
ALDH5A1	1	40.75312	40.00498	13.08941	14.2446	31.55174	15.16387	18.20617	9.842399	12.01764	10.01802	27.92877	13.04962	0.467246
ALDH6A1	1	14.49728	13.85989	8.573944	8.455105	10.55395	8.784581	8.010922	7.633345	9.151863	6.953046	11.18803	8.106751	0.724591
ALDH7A1	1	26.46397	21.11505	22.37275	35.54138	25.04191	29.71904	19.10636	19.06512	34.77792	36.42601	26.10701	27.81889	1.065572
ALDH8A1	1	0.103148	0.089604	0.207943	0.114056	0.409099	0.083047	0.033721	0.020506	1.066476	0.079138	0.18477	0.256578	1.388633
ALDH9A1	1	21.35989	16.9925	21.57956	26.96099	24.55944	13.621	10.96053	8.382741	16.89061	20.80463	22.29048	14.1319	0.633988
ALDOA	1	110.213	99.18552	134.6255	166.2203	297.4522	309.4758	302.6151	157.73	144.4147	301.4808	161.5393	243.1433	1.505165

ALDOB	4.27E-05	7.777619	7.501163	6.395826	5.706993	11.2584	1.166111	0.63132	0.712989	13.98759	2.980901	7.728	3.895783	0.504113
ALDOC	1	358.674	296.7529	597.1133	510.7622	882.8501	463.3645	541.3073	1326.717	838.9394	1250.439	529.2305	884.1533	1.670639
ALG1	1	3.628733	3.191566	3.495078	3.764151	6.850791	7.509588	8.227689	11.96796	5.557361	4.835435	4.186064	7.619606	1.820232
ALG10	1	6.490451	7.947511	6.91345	8.220241	5.664394	1.667757	5.394861	4.420043	7.797981	1.871793	7.047209	4.230487	0.600307
ALG11	1	6.268119	7.009693	5.885898	5.89997	5.045548	2.997738	6.016195	7.365659	6.019602	3.40299	6.021845	5.160437	0.856953
ALG12	1	2.003294	2.311089	5.582044	6.744078	2.132334	0.632649	1.926614	0.937288	3.124747	4.779903	3.754568	2.28024	0.607324
ALG13	1	2.981327	4.578316	5.374316	4.744854	2.50347	5.536644	7.994274	8.120674	8.291403	2.961617	4.036457	6.580922	1.630371
ALG14	1	5.80283	5.559244	3.648825	3.681084	10.92977	6.635705	3.360042	1.310799	5.47531	8.902313	5.924352	5.136834	0.867071
ALG2	1	2.044485	2.352549	2.366349	2.518608	2.922794	2.126391	2.823192	2.833613	2.03383	2.26217	2.440957	2.415839	0.98971
ALG3	1	2.284502	1.667671	3.059714	3.794941	7.021406	7.199751	6.08818	4.273181	3.653938	6.210448	3.565647	5.4851	1.538318
ALG5	0.032956	6.675727	5.490465	5.066453	4.61184	10.17963	18.33993	19.84933	16.04118	11.03589	16.06132	6.404823	16.26553	2.539575
ALG6	1	2.49923	2.860027	1.266307	1.197525	1.808557	4.464398	3.908703	5.15007	2.963013	1.783689	1.926329	3.653974	1.896859
ALG8	1	3.303693	2.10597	4.320812	3.708005	5.266055	6.985079	7.281678	4.721702	7.536247	6.404524	3.740907	6.585846	1.760494
ALG9	1	4.427047	5.113921	3.143978	3.687497	4.086693	2.12116	3.853483	4.17202	6.520859	12.28474	4.091827	5.790453	1.415126
ALK	0.432354	1.377849	1.529277	1.297768	1.417969	1.137127	0.210623	0.276688	0.012237	0.232537	0.031484	1.351998	0.152714	0.112954
ALKAL1	1	0	0	0	0	0	0	0.467449	0.071066	0	0.411392	0	0.189981	#DIV/0!
ALKAL2	1	1.159996	0.336855	0.19302	0.714626	1.588913	1.503205	0.774693	0	0.057112	0.03673	0.798682	0.474348	0.593914
ALKBH1	1	2.272892	2.325112	2.288555	3.421034	4.005119	4.595715	3.873234	5.778801	4.043842	2.674255	2.862543	4.193169	1.464841
ALKBH2	1	1.966996	2.292423	1.237203	1.743627	3.266722	2.017611	1.136897	2.358786	1.301588	1.137892	2.101394	1.590555	0.756905
ALKBH3	1	8.416814	6.717298	5.20552	6.182033	12.41644	4.287853	5.811028	6.490082	5.445861	4.669747	7.78762	5.340914	0.685821
ALKBH4	1	8.183761	5.7129	12.02796	13.732	15.23916	3.157474	3.879073	2.998648	1.519536	5.374793	10.97916	3.385905	0.308394
ALKBH5	1	19.57504	19.8358	27.67261	29.86811	42.84954	25.27367	16.17621	14.42275	16.05227	20.01654	27.96022	18.38829	0.657659
ALKBH6	1	2.790967	3.261294	1.989458	3.505802	10.30874	11.36026	5.807108	9.767732	14.1277	8.441345	4.371252	9.900828	2.264987
ALKBH7	1	5.559141	6.447645	7.875208	10.37885	27.58913	12.31857	7.875262	6.924771	8.285044	29.88803	11.56999	13.05834	1.128638
ALKBH8	1	2.019224	1.63331	0.823996	1.05457	1.990826	5.484738	4.082893	3.05169	2.383915	2.404226	1.504385	3.481492	2.314229
ALLC	0.136464	0.297458	0.208503	0	0.135157	0.278346	0	0	0	0	0	0.183893	0	0
ALMS1	1	4.061944	5.211261	7.765299	4.870818	4.396171	4.176626	3.370906	8.776011	10.9562	7.95541	5.261099	7.047031	1.33946
ALOX12	1	0.02092	0.070875	0.079955	0.06265	0	0.328443	0.066681	0.108133	0.081111	0.034776	0.04688	0.123829	2.641406
ALOX12B	0.046065	0.03094	0.069883	0.827767	0.815395	0.083962	0	0	0	0	0	0.36559	0	0
ALOX12E	1	0	0	0.053845	0.014767	0.066905	0	0	0	0	0	0.027104	0	0
ALOX15	0.695026	0.174199	0.1291	0.630112	0.436908	0.428403	0.028489	0	0.014069	0.028142	0.027148	0.359744	0.01957	0.054399
ALOX15B	1	0	0	0	0	0	0.231371	0.093946	0.045704	0.319978	0.014699	0	0.14114	#DIV/0!
ALOX5	0.181769	2.008422	2.059005	3.266404	3.489373	1.855386	0.111816	0.060536	0.05522	0.257729	0.686676	2.535718	0.234396	0.092438
ALOX5AP	1	2.679595	4.070483	3.935947	5.766405	6.821091	10.79662	3.325702	3.431988	8.703807	7.647345	4.654704	6.781093	1.456826
ALOXE3	1	0	0.027305	0.052806	0.195505	0.19684	0	0.025689	0.046867	0.187493	1.436908	0.094491	0.339391	3.591784
ALPI	1	0	0.021798	0	0	0	0	0.020508	0.024943	0.149677	0.04813	0.00436	0.048651	11.15965
ALPK1	1	0.479615	0.436423	0.308963	0.260397	0.093634	0.704239	0.67455	0.365619	0.90972	0.097509	0.315806	0.550327	1.742611
ALPK2	1	0.026796	0.027739	0.043892	0.033437	0.00606	0.058431	0.078294	0.17602	0.05772	0.0464	0.027585	0.083373	3.022425
ALPK3	1	1.376063	1.713585	8.224945	3.635318	2.646045	0.175644	0.09384	0.346962	1.862908	1.104096	3.519192	0.71669	0.203652
ALPL	1	2.858083	2.417548	9.498606	11.13711	5.686636	1.92139	0.828175	0.540123	1.080404	0.976508	6.319596	1.06932	0.169207
ALS2	1	11.9438	11.51323	31.58056	9.13803	6.48517	10.72593	16.38936	118.3798	74.98594	60.07236	14.13216	56.11068	3.970426
ALS2CL	1	0.264658	0.132835	0.417446	0.366935	0.379047	2.718781	0.885234	0.797991	0.62075	0.411434	0.312184	1.086838	3.481403
ALS2CR12	1	0.104556	0.095937	0.199803	0.133075	0.017733	0.034199	0.027772	0.033777	0.101347	0.032589	0.110221	0.045937	0.41677
ALX1	0.288285	1.139737	0.111923	0.108224	0.11872	0.201709	0	0	0	0	0	0.336062	0	0
ALX3	1	0.545956	0.041103	0.278214	0.392398	0.246924	0.571433	0.232026	0.188132	0.18816	1.361341	0.300919	0.508218	1.688887
ALX4	1	0.098329	0	0.184069	0.235576	0	0	0	0	0.145236	0.093403	0.103595	0.047728	0.460717

ALYREF	1	7.439377	7.405534	7.039025	6.859734	5.913386	11.77529	11.71623	12.0494	9.483732	23.23395	6.931411	13.65172	1.969544
AMACR	1	4.926902	4.835363	4.073489	3.400622	4.361164	9.269995	6.830049	6.306014	21.58911	9.964688	4.319508	10.79197	2.498426
AMBN	1	0.026583	0	0	0.031844	0	0	0	0	0	0	0.011685	0	0
AMBP	1	0	0	0	0.037684	0	0	0	0	12.68517	0.261475	0.007537	2.589329	343.5559
AMBRA1	1	6.964127	6.521121	9.238066	12.23424	9.222622	7.117989	8.234485	9.691441	5.556755	9.350414	8.836035	7.990217	0.904276
AMD1	1	27.64366	31.29198	26.37225	31.40253	19.71699	28.00506	45.16737	35.38383	29.30574	15.15207	27.28548	30.60281	1.121579
AMDHD1	1	0.828291	0.770862	0.807253	0.669011	1.025013	0.240033	0.223593	0.278915	0.753179	0.569595	0.820086	0.413063	0.503683
AMDHD2	1	2.85796	1.912097	4.274759	4.3873	4.496924	6.22146	5.460616	1.893111	4.22132	5.329772	3.585808	4.625256	1.289878
AMER1	1	3.509862	3.259496	3.380364	3.20402	2.048759	1.258739	2.049134	1.749744	1.773024	1.806641	3.0805	1.727456	0.560771
AMER2	1	12.2716	15.77805	22.52812	31.19196	10.89715	6.907096	8.867213	16.44548	26.55661	13.47829	18.53338	14.45094	0.779725
AMER3	1	1.755523	2.224293	2.933939	2.821003	1.800991	1.008354	2.104035	8.105824	1.604799	3.727905	2.30715	3.310183	1.43475
AMFR	1	49.85743	45.24905	57.70643	59.65334	59.08875	23.12129	34.75344	31.77745	42.6068	53.11065	54.311	37.07393	0.682623
AMH	1	0.175812	0.186867	0.948624	1.15213	0.30871	0	0	0.026728	0.320783	0.842392	0.554428	0.237981	0.429236
AMHR2	1	0.383886	0.325143	2.192717	1.963225	0	0.193173	0.329433	0.152636	0.114493	0.06136	0.972994	0.170219	0.174943
AMIGO1	1	18.11455	18.28393	16.04859	17.91011	22.41978	6.758789	20.94456	17.51126	8.302125	15.24601	18.55539	13.75255	0.741162
AMIGO2	1	3.669534	1.388537	0.222614	0.137366	1.93626	3.934127	3.384364	4.692457	0.559883	0.243576	1.470862	2.562882	1.742435
AMMECR1	1	0.981248	1.263029	0.560715	0.551905	0.696714	1.085937	1.008921	1.590669	2.090897	0.836044	0.810722	1.322493	1.631253
AMMECR1L	1	3.533698	3.450446	4.049033	3.73996	3.159536	6.791762	9.392071	21.52352	23.30935	6.798768	3.586535	13.56309	3.781671
AMN	1	0.024486	0	0.026738	0	0	0	0	0.126566	0.253169	1.200773	0.010245	0.316102	30.8545
AMN1	1	11.56732	12.42033	6.913801	7.345775	14.51734	22.30061	25.81954	16.54709	19.96972	10.8679	10.55291	19.10097	1.810019
AMOT	1	6.207666	5.313821	8.761307	8.370297	5.530798	8.33764	9.388722	10.44209	10.91973	11.10657	6.836778	10.03895	1.468375
AMOTL1	1	10.0051	8.910104	19.30451	24.34478	4.131346	6.078515	11.3878	1.209778	3.923871	4.505205	13.33917	5.421034	0.4064
AMOTL2	1	2.537121	0.960885	3.327962	2.302565	1.322407	2.530027	0.887584	2.688788	2.71917	4.506854	2.090188	2.666485	1.275715
AMPD1	1	0.048803	0	0.035528	0.019487	0	0	0	0	0	0.297463	0.020763	0.059493	2.86526
AMPD2	1	8.383451	8.408979	9.778566	11.32388	15.1288	21.62668	13.94944	8.419877	8.898448	15.82436	10.60473	13.74376	1.296002
AMPD3	1	1.923162	2.448166	2.296936	1.918073	2.411379	0.314517	1.085509	0.931932	4.571569	2.20503	2.199543	1.821711	0.828223
AMPH	1	42.15517	45.85735	34.06683	38.48854	45.82493	23.61751	43.75235	63.77512	41.51922	41.57168	41.27856	42.84718	1.038001
AMT	1	9.356115	8.018577	10.92351	12.33544	28.21047	9.289743	6.377012	11.70998	9.430186	5.608204	13.76882	8.483025	0.616104
AMTN	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
AMY2B	1	11.89625	14.5588	10.44765	13.8866	25.89468	4.415386	3.442236	10.292	1.701044	8.20474	15.3368	5.611081	0.365857
AMZ1	0.00466	2.505404	3.300202	1.964418	4.60586	4.043688	0.343447	0.533206	0.069839	0.019957	0.064173	3.283915	0.206124	0.062768
AMZ2	1	42.58043	38.63638	29.98777	41.3829	68.83125	92.66233	44.76395	27.72066	22.27684	10.45873	44.28375	39.5765	0.893703
ANAPC1	1	2.988529	2.924749	4.397825	3.402163	2.621696	4.233599	6.48651	6.354929	6.754504	4.784113	3.266992	5.722731	1.751682
ANAPC10	1	1.669338	1.438994	1.07863	0.812497	1.661907	0.913251	0.580715	0.689268	0.2383	0.399556	1.332273	0.564218	0.4235
ANAPC11	1	3.24006	4.209491	7.076165	8.054449	17.74054	11.77937	8.255865	5.594852	7.485592	21.90173	8.06414	11.00348	1.364495
ANAPC13	1	10.62014	12.38475	6.469897	7.552732	32.49027	10.5892	7.269034	5.951698	7.223985	4.961764	13.90356	7.199136	0.517791
ANAPC15	1	31.09254	19.79372	16.62179	16.33013	69.31015	23.19515	8.894965	11.91758	8.679114	20.42888	30.62967	14.62314	0.477417
ANAPC16	1	13.91228	12.13977	5.149808	4.951444	30.4511	28.81813	19.71842	21.68801	25.52745	26.40104	13.32088	24.43061	1.834008
ANAPC4	1	14.383	14.44673	7.369718	6.95799	12.17834	30.75977	40.46679	30.02358	22.12774	23.17367	11.06716	29.31031	2.648405
ANAPC5	1	9.452174	9.11739	8.928399	8.446834	16.492	11.4512	18.00106	16.75256	12.16289	18.82555	10.48736	15.43865	1.47212
ANAPC7	1	20.62982	18.27228	18.78257	23.60032	22.48462	24.77237	37.59348	30.29667	25.18479	17.29348	20.75392	27.02816	1.302316
ANG	1	0.492868	0.058589	0.056653	0.155369	0.281575	3.258116	0.716588	0.268166	0.670514	0	0.209011	0.982677	4.701553
ANG2	1	0.419424	0	0.305335	0.251213	0	0	0	0	0	0	0.195194	0	0
ANGEL1	1	2.969232	2.640897	4.85292	7.683207	3.778609	13.40617	8.948724	7.059406	6.67167	5.62139	4.384973	8.341472	1.902286
ANGEL2	1	9.591082	10.7505	7.818078	7.37701	8.506768	4.220893	6.87232	8.091398	11.99509	6.26119	8.808688	7.488177	0.85009
ANGPT1	1	1.802553	2.617243	1.893367	0.997375	0.815256	1.3027	1.440935	6.721686	21.43265	5.893006	1.625159	7.358196	4.527678

ANGPT2	1	1.554522	0.571938	1.351862	0.65723	0.801699	3.791577	5.201547	3.726709	1.999989	1.180985	0.98745	3.180161	3.220579
ANGPT4	1	1.999123	0.445381	1.841445	1.531329	0.590472	0.569364	0.260084	0.087868	0.281218	0.203462	1.28155	0.280399	0.218797
ANGPTL1	1	1.007243	0.521347	0.091657	0.138253	0.156597	0.63145	0.379019	1.410046	0.162721	0.087207	0.383019	0.534088	1.394416
ANGPTL2	1	1.592846	1.10696	0.25689	0.158516	0.837892	7.592068	1.562177	0.797991	0.15202	0.016294	0.790621	2.02411	2.560153
ANGPTL3	1	0	0	0	0	0	0	0	0	0.898985	0.041296	0	0.188056	#DIV/0!
ANGPTL4	1	0.550644	0.521906	1.309958	1.56658	1.414216	1.235014	1.379035	1.194393	0.813322	2.876825	1.072661	1.499718	1.398129
ANGPTL5	1	3.397891	2.291613	0.392394	0.702651	1.233259	0	0.415479	0.682866	0.109274	0.149336	1.603562	0.271391	0.169243
ANGPTL6	1	0.249984	0.202683	0.657947	0.859973	0.747952	0.603808	0.394998	0	0.530186	0.383592	0.543708	0.382517	0.703533
ANGPTL7	1	3.893403	1.351488	0.453031	0.831471	2.186694	19.12286	46.11339	0.742299	6.104237	0	1.743217	14.41656	8.270086
ANGPTL8	1	0	0	0	0	0	0	0	0	0	0.089799	0	0.01796	#DIV/0!
ANHX	1	0.063637	0.017966	0	0	0.129517	0	0	0	0	0	0.042224	0	0
ANK1	1	3.678554	5.124882	16.16273	4.916792	1.536147	4.825154	5.085106	20.24216	12.60609	18.51175	6.283822	12.25405	1.950095
ANK2	1	55.73173	53.0615	69.43079	60.21269	29.0215	44.08425	68.66423	46.25242	63.05395	43.78449	53.49164	53.16787	0.993947
ANK3	1	22.89082	26.61892	37.65044	28.74124	13.02477	17.12941	31.37059	31.20405	40.12025	41.75047	25.78524	32.31496	1.253235
ANKAR	1	0.01941	0.065759	0.220429	0.106954	0	2.011237	2.812892	3.160295	3.712633	2.058538	0.08251	2.751119	33.34278
ANKDD1A	0.102657	0	0	0	0	0	0.108965	0.077428	0.026906	0.349827	0.025959	0	0.117817	#DIV/0!
ANKDD1B	1	0	0	0.372597	0.12773	0	0	0	0.073487	0.955469	0.165436	0.100065	0.238878	2.387223
ANKEF1	3.30E-05	1.241265	1.851248	2.018423	1.066692	0.402742	0	0	0.104608	0	0	1.316074	0.020922	0.015897
ANKFY1	1	8.052427	7.210027	11.29515	10.02222	6.297131	9.608197	11.61603	19.09304	20.69448	14.32894	8.575392	15.06814	1.757137
ANKH	1	32.04333	39.73399	30.65482	37.84524	44.7472	36.60927	48.88325	33.50477	37.28814	47.77607	37.00492	40.8123	1.102889
ANKHD1	1	6.832205	7.170039	9.515011	7.341699	2.344183	6.504188	9.272424	15.38518	12.24992	9.788027	6.640627	10.63995	1.602251
ANKIB1	1	7.858394	8.517144	9.301427	12.61277	5.104539	7.69266	12.1485	13.00974	17.1246	12.41429	8.678855	12.47796	1.437742
ANKK1	1	0	0	0.043175	0.059204	0	0	0	0	0	0.106806	0.020476	0.021361	1.043233
ANKLE1	1	0.123019	0.164653	0.407978	0.349306	0.370925	0.214599	0.474409	0.706523	0.259096	0.757401	0.283176	0.482406	1.703553
ANKLE2	1	19.66307	23.12876	14.79465	18.59037	15.52784	3.430815	5.520622	9.684615	9.267621	9.296738	18.34094	7.440082	0.405654
ANKMY1	1	0.093257	0.111166	0.226299	0.248248	0.140593	0	0	0	0.187485	0.043062	0.163913	0.046109	0.281305
ANKMY2	1	12.90013	14.71443	7.967344	8.31755	11.06305	10.16515	16.05446	10.12076	21.69875	24.13879	10.9925	16.43558	1.495163
ANKRA2	1	12.23658	13.96214	7.166046	7.546218	18.30022	9.581985	8.590327	11.01009	18.79017	13.00335	11.84224	12.19518	1.029804
ANKRD1	1	0.74008	0	0	0.025697	0	0	0	0	9.3708	1.765156	0.153155	2.227191	14.54203
ANKRD10	1	8.721584	10.24194	13.66673	14.19561	19.97587	21.16027	15.83489	26.32973	30.94389	27.85309	13.36035	24.42438	1.828124
ANKRD11	1	15.92974	15.14922	17.73992	21.50688	2.686399	8.634555	8.846211	6.500176	8.86233	12.20507	14.60243	9.009668	0.616998
ANKRD12	1	47.30266	51.27317	26.16378	22.35523	9.177528	10.49503	13.80204	16.4142	17.56403	15.88839	31.25447	14.83274	0.47458
ANKRD13A	1	4.176975	4.080744	6.740153	7.753061	4.727567	10.3075	7.61259	16.27289	7.269083	5.792001	5.4957	9.450814	1.719674
ANKRD13B	1	10.26489	9.044837	9.679075	11.49872	4.476303	16.84911	8.699614	7.370603	6.010355	11.59603	8.992766	10.10514	1.123697
ANKRD13C	1	1.398918	1.543489	1.843645	1.762433	0.698153	0.757345	1.178802	1.10125	2.618447	4.450466	1.449328	2.021262	1.394621
ANKRD13D	1	7.161537	6.384256	13.4933	12.16551	9.898939	9.150409	7.79888	7.940501	6.873142	13.30708	9.820709	9.014002	0.917856
ANKRD16	1	2.975914	3.48853	3.300529	3.875854	10.37008	2.926645	2.065448	2.081926	2.305939	3.452913	4.802181	2.566574	0.53446
ANKRD17	1	21.98248	19.79924	15.93856	14.79863	7.515511	11.75165	18.84083	21.0112	34.28943	15.73164	16.00688	20.32495	1.269763
ANKRD2	1	0.397713	0.482409	1.190289	1.446898	1.159207	0	0.250406	0.989797	3.426718	9.427243	0.935303	2.818833	3.013817
ANKRD22	1	0.003435	0	0.022508	0.00823	0.018645	0	0.0292	0.062149	0	0.011421	0.010564	0.020554	1.945726
ANKRD23	1	4.144438	4.55774	5.773858	3.947198	10.01627	0.200516	0.705623	2.723152	0.462178	0.488311	5.687901	0.915956	0.161036
ANKRD24	1	5.16081	6.786247	6.26368	8.551826	5.783835	4.440003	3.438562	4.000277	6.354305	8.200605	6.50928	5.28675	0.812187
ANKRD26	1	4.820517	4.716621	6.42814	2.983657	2.876732	1.208115	1.923453	4.64735	4.72654	2.095477	4.365133	2.920187	0.66898
ANKRD27	1	7.350923	7.718961	10.59383	8.300965	7.756958	18.89491	9.127902	13.96107	17.58618	10.24307	8.344328	13.96263	1.673307
ANKRD28	1	6.51542	7.292162	7.241843	6.583186	6.710712	8.529973	12.7225	13.33948	11.83675	6.727139	6.868664	10.63117	1.547778
ANKRD29	1	4.562739	6.491626	6.237835	6.175784	14.89225	2.58525	1.851323	1.508837	0.975082	0.686812	7.672047	1.521461	0.198312

ANKRD31	1	0.651201	1.004708	0.474066	0.677525	0.589048	0.815988	1.188872	1.78571	1.090548	1.346789	0.67931	1.245581	1.833598
ANKRD33	1	0.170073	0.109751	0.079593	0.34925	0.461521	0.953621	0.696978	0.062792	0.565209	1.413587	0.234037	0.738437	3.155211
ANKRD33B	1	4.213422	5.833358	2.701396	4.661544	5.896065	1.672859	4.454505	0.413065	0.694529	0.231032	4.661157	1.493198	0.320349
ANKRD34A	1	12.47485	12.42687	11.50673	13.94424	19.83798	15.79707	11.91888	6.623992	4.170743	10.49185	14.03814	9.800507	0.698135
ANKRD34B	1	2.08631	2.845778	3.252033	2.979412	0.965795	0	0.417252	2.061628	0.951659	0.455619	2.425865	0.777232	0.320393
ANKRD34C	1	1.853623	2.398852	1.829251	2.017017	1.452799	0.256072	0.672786	0.156215	0	0.038278	1.910308	0.22467	0.117609
ANKRD35	1	0.641045	0.756545	0.920732	0.78174	0.501502	2.810776	3.448422	2.477653	3.58267	1.104031	0.720313	2.68471	3.727146
ANKRD37	1	1.106892	1.516418	2.021113	2.021515	6.499901	13.86457	2.814797	7.784857	5.816041	15.29332	2.633168	9.114717	3.461502
ANKRD39	1	7.999663	8.680983	9.795035	8.317101	13.95544	2.087601	1.122568	5.1826	3.511305	2.742063	9.749644	2.929227	0.300445
ANKRD40	1	16.22524	16.43798	27.17568	29.47821	26.48229	18.30906	28.24794	31.87936	23.12056	19.40014	23.15988	24.19141	1.04454
ANKRD42	1	2.915718	4.020636	1.690325	1.696204	1.776652	3.320041	2.221628	0.944398	1.324973	1.063027	2.419907	1.774814	0.733422
ANKRD44	1	5.531424	4.803395	5.8276	5.800791	2.072745	11.23424	10.78864	11.96035	8.671547	4.282181	4.807191	9.387391	1.952781
ANKRD45	1	10.92826	11.65664	6.131239	6.356171	10.53007	3.365318	0.710559	0.379872	6.382774	3.542878	9.120476	2.87628	0.315365
ANKRD46	1	27.8321	22.64871	17.09529	19.24666	31.1495	20.46182	30.1584	25.77416	25.50421	19.942	23.59445	24.36812	1.03279
ANKRD49	1	2.182462	1.765873	1.680114	1.863106	2.541449	1.794188	1.350419	1.296655	2.593687	1.612436	2.006601	1.729477	0.861894
ANKRD50	1	4.316049	3.981037	3.36443	2.823867	1.328809	2.39253	5.009272	2.195079	2.273805	0.914848	3.162838	2.557107	0.808485
ANKRD52	1	7.337603	7.283754	15.38896	13.26328	0.535402	3.441748	10.16177	9.372543	6.726871	6.364275	8.7618	7.213442	0.823283
ANKRD53	1	0	0	0.244147	0.232117	0	0	0	0	0.154112	0.012389	0.095253	0.0333	0.349597
ANKRD54	1	7.112436	6.621969	10.07913	8.873677	11.08137	3.090771	2.86853	3.183542	2.922306	4.824668	8.753716	3.377963	0.385889
ANKRD55	1	0.504445	0.547762	1.271179	0.76696	0.596699	0.609214	1.456712	0.250713	0.066867	0.118258	0.737409	0.500353	0.678528
ANKRD6	1	7.106592	5.620916	5.392937	3.393142	3.083076	5.096337	3.218951	23.67981	10.40825	4.252613	4.919333	9.331191	1.896841
ANKRD60	1	0	0	0	0	0	0	0	0	0.71624	0.127951	0	0.168838	#DIV/0!
ANKRD61	1	0.012372	0.111775	0	0	0.067148	0	0	0	0	0	0.038259	0	0
ANKRD63	1	6.279745	5.140331	1.791339	7.833154	7.390076	2.56193	2.755631	1.00545	0	0.878452	5.686929	1.440293	0.253264
ANKRD65	1	0.057181	0.04305	0.19426	0.197881	0.344825	0.365748	0.189011	0.525446	0.525523	0.908298	0.167439	0.502805	3.002908
ANKRD66	1	0.337988	0.178123	0.123026	0.242924	0	0	0.02394	0	0.116485	0.11237	0.176412	0.050559	0.286596
ANKRD9	0.01205	2.619522	3.097593	4.619866	3.944559	3.425102	0.202957	0.082409	0.036447	0.200487	0.785337	3.541328	0.261527	0.07385
ANKS1A	1	3.413754	3.071721	12.23526	10.78149	6.670792	7.233799	3.649279	12.7536	7.944249	13.69088	7.234603	9.054363	1.251536
ANKS1B	1	44.13836	43.99334	20.56334	27.16032	25.30914	34.96478	48.65717	21.39121	18.76132	16.08327	32.2329	27.97155	0.867795
ANKS3	1	2.949951	2.506634	4.628649	5.875253	2.215031	7.456734	6.025061	9.048852	8.217331	8.415022	3.635103	7.8326	2.154712
ANKS4B	1	0.476262	0.405921	5.200683	0.193758	0.341393	1.128649	3.608944	1.114751	0.78973	0.911208	1.323603	1.510656	1.141321
ANKS6	1	0.608367	0.578991	1.087564	0.860994	1.09173	0.937162	0.995626	5.858049	0.431175	0.526044	0.845529	1.749611	2.06925
ANKUB1	1	0.025919	0.152206	0.75852	0.291853	0.140671	0.027128	0.044061	0.093781	0.026798	0.008617	0.273834	0.040077	0.146356
ANKZF1	1	2.727683	2.834572	2.89687	3.177843	3.913295	0.213589	1.402071	7.278081	10.09233	8.344957	3.110053	5.466206	1.757593
ANLN	0.145395	9.714924	25.21494	64.01148	81.59616	31.53249	5.548195	11.79896	6.585973	13.56431	2.878349	42.414	8.075157	0.190389
ANO1	1	1.473342	0.940938	0.798883	0.572074	1.047795	1.701624	0.770099	2.232141	2.713978	0.557401	0.966606	1.595049	1.650153
ANO10	1	8.787827	7.202004	7.746096	5.708937	5.92444	15.17368	16.22972	12.24577	6.266191	5.231969	7.073861	11.02947	1.559186
ANO2	1	0.178477	0.109416	0.089094	0.164929	0.027676	0.026687	0.108358	0.052716	0.263618	0.567946	0.113918	0.203865	1.789572
ANO3	1	9.900444	10.50389	3.703477	7.926818	0.380595	0.86743	7.870602	0.807321	0.19774	0.021195	6.483044	1.952858	0.301225
ANO4	1	2.530538	3.23107	2.406539	3.299942	1.982998	2.519129	4.929502	1.264039	1.369159	0.514175	2.690217	2.119201	0.787743
ANO5	1	4.140486	4.77921	1.069132	1.435894	1.924384	3.543582	8.351117	8.489736	8.017937	4.008036	2.669821	6.482082	2.427908
ANO6	1	4.299612	1.569373	3.109692	2.662757	1.214862	7.598046	4.954696	4.491443	7.634153	3.565943	2.571259	5.648856	2.196922
ANO7	0.013988	0.019775	0.066995	0.09717	0.124361	0	0	0	0	0	0	0.06166	0	0
ANO8	1	3.948052	4.333739	10.87213	9.479879	4.559028	7.195646	7.525105	12.603	9.782173	10.24501	6.638566	9.470187	1.426541
ANO9	1	0.182173	0.167155	0.534622	0.67513	0.46346	3.038867	0.495982	0.382537	0.559175	1.13562	0.404508	1.122436	2.77482
ANOS1	1.24E-05	34.65864	24.38211	17.39708	23.49014	20.2844	3.534631	6.018224	3.75514	3.946405	1.967177	24.04247	3.844315	0.159897

ANP32A	1	64.46787	59.62565	25.07985	27.15088	80.38506	67.91366	76.82413	113.1956	70.48752	103.0121	51.34186	86.28661	1.680629
ANP32B	1	88.62936	85.98257	55.95329	69.92187	75.78905	68.19649	40.73364	58.15653	36.91776	41.96152	75.25523	49.19319	0.653685
ANP32E	1	52.11564	33.62065	23.34885	17.7456	11.57657	17.08443	24.73548	35.15988	27.90339	27.11218	27.68146	26.39907	0.953673
ANPEP	1	0.787252	0.366732	0.483561	0.459734	1.161637	3.888201	0.470495	0.419638	0.585035	0.597083	0.651783	1.19209	1.828968
ANTXR1	1	4.322657	3.146386	5.235745	3.082457	0.376775	9.978817	7.592238	7.726866	21.05459	11.47865	3.232804	11.56623	3.577771
ANTXR2	1	4.873843	1.873109	1.961669	1.681199	1.06639	2.243496	2.027955	1.121125	2.057893	1.145302	2.291242	1.719154	0.750316
ANTXRL	1	0	0.085453	0	0	0	0	0	0	0.039118	0	0.017091	0.007824	0.457771
ANXA1	1	31.58298	8.598798	4.655001	4.929859	15.53327	28.76336	5.697134	5.335382	3.465038	1.738163	13.05998	8.999815	0.689114
ANXA10	1	0	0	0.05818	0.031911	0.072291	0	0	0	0	0	0.032476	0	0
ANXA11	1	7.907047	6.86054	11.00483	11.57971	11.54972	20.39746	19.42303	10.38767	8.77384	9.961997	9.78037	13.7888	1.409844
ANXA13	1	0	0	0	0	0	0	0	0	0	0.17693	0	0.035386	#DIV/0!
ANXA2	1	47.12541	7.670578	20.10305	20.43745	14.16817	59.76182	16.29988	11.03139	71.12284	52.25971	21.90093	42.09513	1.92207
ANXA3	1	7.856197	5.19789	5.228086	7.416615	10.15759	47.77658	17.2027	8.492764	24.46947	7.886419	7.171276	21.16559	2.951439
ANXA4	1	8.842432	3.744679	5.943568	7.788452	2.797789	4.083119	11.0133	6.793416	23.76841	11.41031	5.823384	11.41371	1.959979
ANXA5	1	51.83377	42.30318	52.15665	53.54755	71.66848	25.96752	33.85228	25.94995	34.52941	17.37149	54.30193	27.53413	0.507056
ANXA6	1	58.54901	62.85037	54.31903	66.94788	63.93775	96.29208	140.8374	53.20358	103.3119	154.4778	61.32081	109.6245	1.787722
ANXA7	1	21.0962	24.68066	13.41181	11.8836	18.91193	14.95966	6.869598	5.316079	12.80839	7.02039	17.99684	9.394823	0.522026
ANXA8L1	1	2.092023	0.02138	2.294786	3.254427	0	0	0	0.024465	0.244683	6.373052	1.532523	1.32844	0.866832
ANXA9	0.000237	1.822975	1.939005	7.221903	12.074	11.59083	0.221866	0.225217	0.191742	0	0	6.929742	0.127765	0.018437
AOAH	0.000544	0.273274	0.114972	0.117023	0.218235	0.101785	2.523762	1.537129	1.274039	0.858716	0.151424	0.165058	1.269014	7.688294
AOC1	1	0.021239	0	0.023193	0.031803	0	0.055576	0	0	0.192149	0.05296	0.015247	0.060137	3.944179
AOC2	1	0.895671	1.282278	2.310367	2.145837	2.296589	1.144154	2.967281	0.710847	1.750033	1.676482	1.786148	1.649759	0.923641
AOC3	1	0.515692	0.333496	0.770086	0.596625	0.550199	0.345998	0.056196	0.136695	0.387359	0.124558	0.553219	0.210161	0.379887
AOX1	1	11.85319	6.830497	23.32649	17.67335	4.348667	1.115534	0.032354	4.544915	8.874696	3.201736	12.80644	3.553847	0.277505
AOX2	0.034625	0.003386	0.005735	0.014789	0.004056	0	0.823927	0.140295	0.100629	0.210039	0.028141	0.005593	0.260606	46.59385
AOX4	1	0	0	0	0	0	0	0	0	0	0.007789	0	0.001558	#DIV/0!
AP1AR	1	15.63054	18.10777	8.253746	9.669433	9.598042	11.62529	24.06766	13.31629	26.15921	11.73031	12.25191	17.37975	1.418535
AP1B1	1	16.79061	16.68595	25.79878	30.63542	15.30082	18.3961	21.879	14.90507	18.10778	27.39356	21.04231	20.1363	0.956943
AP1G1	1	22.5106	21.03012	18.04157	17.70648	14.60761	14.96447	24.36662	25.43808	25.06572	21.44512	18.77928	22.256	1.185136
AP1G2	1	3.384347	2.476677	3.886137	3.295812	11.40223	2.399777	1.620485	8.437491	8.91541	6.761038	4.889041	5.62684	1.150909
AP1M1	1	11.48282	11.95599	12.90823	16.11172	21.15107	10.45601	11.0385	9.305882	7.627393	15.75968	14.72196	10.83749	0.736145
AP1M2	1	0.157574	0.144584	0.021508	0.094379	0.187077	0.206159	1.527695	0.458147	0.050913	0.24557	0.121024	0.497697	4.112365
AP1S1	1	35.64555	28.67569	14.46102	19.90164	54.39548	52.24096	49.20334	22.50592	11.92884	36.69028	30.61587	34.51387	1.127319
AP1S2	1	4.399387	5.279794	9.647726	6.161376	5.299428	4.616084	5.985492	14.15617	17.60161	9.226037	6.157542	10.31708	1.675519
AP1S3	1	1.110697	1.311331	0.77182	0.751645	1.624465	0.415189	0.4751	0.838792	0.260996	0.011989	1.113992	0.400413	0.35944
AP2A1	1	25.08813	24.16427	31.37205	37.36787	31.02059	22.94519	32.26049	22.22578	23.03006	54.3966	29.80258	30.97162	1.039226
AP2A2	1	27.06523	23.99782	40.29036	47.24053	22.00239	31.09197	28.07617	27.87002	24.90431	72.30797	32.11926	36.85009	1.147289
AP2B1	1	67.86254	65.82909	51.34739	58.60642	29.3715	43.02118	83.58843	68.96078	39.05127	40.16331	54.60339	54.95699	1.006476
AP2M1	1	189.685	184.6431	143.0311	156.0695	354.5883	422.7486	330.0636	272.9609	166.715	283.4667	205.6034	295.191	1.43573
AP2S1	1	45.19686	43.99902	39.03289	55.28798	100.0649	145.4383	84.72063	40.16291	37.18624	56.15535	56.71633	72.73269	1.282394
AP3B1	1	6.705504	8.555814	14.41558	21.60743	9.920883	10.4489	6.005637	4.382568	5.891405	2.099021	12.24104	5.765507	0.470998
AP3B2	1	35.46825	37.91872	42.08796	44.20753	69.68254	22.62654	40.1878	67.46197	24.6255	53.29439	45.873	41.63924	0.907707
AP3D1	1	36.04408	30.35032	39.68604	44.98615	21.77492	25.18036	31.67721	39.12825	27.08832	41.12139	34.5683	32.83911	0.949977
AP3M1	1	12.88271	11.69463	14.72447	13.7733	13.07025	5.880598	11.13631	15.08682	14.63104	8.649856	13.22907	11.07693	0.837317
AP3M2	1	22.71542	23.35992	17.42637	19.28627	27.31902	7.577395	13.61123	13.54458	9.166632	18.98495	22.0214	12.57696	0.571124
AP3S1	1	41.44656	41.9889	13.24229	15.80013	59.97574	84.54974	69.66544	23.94683	19.33665	15.73004	34.49072	42.64574	1.236441

AP3S2	1	16.91551	13.87465	16.51779	17.10419	25.67814	12.82384	11.45903	11.24156	9.204955	7.766261	18.01806	10.49913	0.5827
AP4B1	1	2.398771	2.0297	2.922547	2.643254	3.476871	2.25368	2.155373	3.200922	2.943805	1.313409	2.694229	2.373438	0.880934
AP4E1	1	5.909537	7.332804	7.304933	5.892443	6.959829	2.408335	4.006942	4.416512	5.454351	3.45646	6.679909	3.94852	0.591104
AP4M1	1	4.147782	3.454208	6.477654	6.620178	14.55698	6.548391	3.446749	5.659287	6.768174	5.296437	7.051359	5.543808	0.786204
AP4S1	1	9.038147	9.15048	3.263296	4.234652	12.19735	20.97965	20.57375	13.02931	8.540937	5.896679	7.576785	13.80407	1.82189
AP5B1	1	0.823952	0.60556	3.141948	3.431026	1.100222	0.513335	0.792054	1.216833	1.926933	9.816066	1.820542	2.853044	1.56714
AP5M1	1	4.619015	5.338429	4.697594	4.726242	2.614965	2.920293	4.638571	4.91099	5.197638	3.788092	4.399249	4.291117	0.97542
AP5S1	1	2.570933	2.054503	3.069116	3.471192	8.070465	1.653311	2.106535	1.632953	1.070021	1.829019	3.847242	1.658368	0.431054
AP5Z1	1	3.391972	2.223036	7.407934	9.916106	6.507668	6.308591	2.166418	3.248027	2.121469	6.310103	5.889343	4.030922	0.684443
APAF1	1	1.893354	1.984935	1.361358	0.942264	1.507436	1.986146	1.189413	1.479487	3.156697	1.896185	1.537869	1.941586	1.262517
APBA1	1	23.95637	21.13011	32.65116	41.5519	17.07566	38.77596	19.46646	10.82151	10.551	18.80108	27.27304	19.6832	0.721709
APBA2	1	33.84127	27.47645	25.87657	35.75553	40.23946	20.66118	25.30061	15.19554	14.94407	39.38477	32.63786	23.09724	0.707682
APBA3	1	1.414127	1.806324	3.932792	3.97164	2.213376	1.746207	1.373048	3.271464	2.710644	3.706615	2.667652	2.561596	0.960244
APBB1	1	35.57458	38.96928	67.45542	63.06364	53.50939	66.25467	57.75131	84.16829	99.59001	216.3939	51.71446	104.8316	2.027124
APBB1IP	1	2.077752	1.881362	2.289305	2.728102	0.711141	9.012317	3.367688	2.193084	1.612797	0.508234	1.937532	3.338824	1.723235
APBB2	1	9.078771	9.072723	18.0452	26.48613	7.198156	17.28462	13.36475	10.53514	8.392242	7.365198	13.9762	11.38839	0.814842
APBB3	1	11.05669	9.753776	11.13337	9.71694	11.56705	10.22973	10.247	7.544439	4.140029	4.981472	10.64557	7.428535	0.697805
APC	1	32.94213	42.26265	35.13027	35.42221	18.55892	121.5762	36.99837	14.88502	25.26229	9.458435	32.86324	41.63606	1.266949
APC2	1	9.683357	8.773385	21.82077	25.59395	10.73497	3.266032	3.225528	6.134252	9.137671	19.60082	15.32128	8.272861	0.539959
APCDD1	1	5.537822	3.966723	14.41128	13.92413	8.925786	9.669267	3.300535	3.358313	3.883614	7.349378	9.353147	5.512221	0.589344
APCDD1L	1	0.015725	0	0	0	0	0	0	0	0	0	0.003145	0	0
APCS	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
APEG3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
APEH	1	14.21361	12.33856	15.91895	14.79708	18.20183	27.59489	28.06113	46.75451	21.00551	23.9629	15.09401	29.47579	1.952814
APELA	1	0.048094	0.054313	0	0	0	0	0.56209	0.186446	0.994524	2.0387	0.020482	0.756352	36.92844
APEX1	1	29.78436	33.10655	21.31232	26.57046	59.10212	52.40079	45.42677	35.35706	23.94388	48.66596	33.97516	41.15889	1.211441
APEX2	1	1.438741	1.123169	2.045563	2.533138	2.803737	8.33793	7.489242	10.48124	8.785554	9.984008	1.98887	9.015594	4.533024
APH1A	1	10.58639	10.04443	15.09105	14.93112	32.64653	38.29465	32.32206	33.03797	20.19663	29.85053	16.65991	30.74037	1.84517
APH1B	1	2.509186	2.302076	3.463528	4.176806	2.534992	3.486546	3.523821	2.854082	8.554134	6.500423	2.997318	4.983801	1.662754
API5	1	27.52557	28.08431	17.50477	19.74584	30.19116	28.99581	41.2806	42.89445	40.8493	23.5093	24.61033	35.50589	1.442723
APIP	1	6.138304	3.156043	2.506778	5.101293	7.764396	12.01376	12.08918	10.31811	13.15751	3.456609	4.933363	10.20703	2.068981
APLF	1	2.77307	2.396667	1.156519	1.094368	1.184725	6.981176	3.384399	3.541632	20.41698	9.09186	1.72107	8.683209	5.045239
APLN	1	1.002663	0.589333	2.164166	1.882401	1.384317	0.951259	1.445325	1.257778	0.333436	0.770024	1.404576	0.951564	0.677474
APLNR	1	0.447414	0.112942	1.402477	0.567482	0.199975	1.046773	0.167776	0.040811	4.462673	0.787502	0.546058	1.301107	2.382727
APLP1	1	149.6842	141.6395	208.6868	298.683	346.9855	286.2251	248.7887	95.98034	87.12624	178.3236	229.1358	179.2888	0.782457
APLP2	1	147.7159	128.7478	143.2884	116.7235	86.09381	57.69409	122.7109	177.7374	135.6109	134.214	124.5139	125.5935	1.00867
APMAP	1	24.12398	21.53608	32.62784	30.49071	20.27915	10.40529	24.02877	19.83842	22.75307	62.0718	25.81155	27.81947	1.077791
APOA1	1	123.4202	29.16581	66.28227	68.01686	175.0123	1.09086	4.517935	2.370341	70.90506	9.113078	92.3795	17.59945	0.190513
APOA2	1	0	0	0	0	0	0	0	0	18.92957	0.785411	0	3.942996	#DIV/0!
APOA4	1	0.25117	0.101685	0.662394	0.448474	0.128602	0	0	0	1.102464	0.007878	0.318465	0.222068	0.697308
APOA5	1	0	0.031918	0.123451	0.033856	0	0	0	0	2.118601	0.211423	0.037845	0.466005	12.31348
APOB	1	0.00133	0	0.029036	0	0	0	0	0	2.563691	0.172389	0.006073	0.547216	90.10387
APOBEC1	0.853882	0.007777	0.008782	0	0	0	1.261649	0.280929	0.120592	0.120609	0.05171	0.003312	0.367098	110.8447
APOBEC2	1	0.250635	0.075478	0.401409	0.120093	0	0.524661	0.639103	0.690934	3.627932	6.444004	0.169523	2.385327	14.07081
APOBEC3H	1	1.013571	0.381544	0.347231	0.833241	1.024696	1.144076	0.253387	0.205452	0.92467	0.132149	0.720057	0.531947	0.738757
APOBEC3Z1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

APOBEC3Z2	1	0.018146	0.040984	0.079259	0.086947	0.393933	0	0	0.046897	0	0	0.123854	0.009379	0.075729
APOBEC4	1	0	0.012839	0.049657	0	0	0	0	0	0	0	0.012499	0	0
APOBR	0.903658	5.849476	4.987336	3.537857	3.159604	3.255789	1.27042	0.535684	0.108586	0.555078	0.100885	4.158012	0.514131	0.123648
APOC2	1	0.357504	0.699801	6.142096	1.798658	2.199003	1.247291	1.063549	1.416722	3.573122	0.63391	2.239412	1.586919	0.708632
APOC3	1	0.07141	0.040322	0.311914	0.085542	0	0	0	0	31.74818	0.534184	0.101838	6.456472	63.39968
APOC4	1	0.084981	0	0.185596	0.254497	0.230611	0	0	0	0	0	0.151137	0	0
APOD	1	179.1451	373.5829	645.2507	762.5367	513.8791	384.3465	435.2582	209.5462	404.9606	157.4585	494.8789	318.314	0.643216
APOE	1	217.1325	167.9225	636.0829	588.2153	347.9315	98.16708	104.1353	102.9445	215.5335	1217.223	391.4569	347.6007	0.887967
APOF	1	0	0	0	0	0.042702	0	0	0	1.13889	0	0.00854	0.227778	26.67049
APOH	1	0	0	0.034295	0	0	0	0	0	8.604998	0.495971	0.006859	1.820194	265.3738
APOL3_1	0.000523	0.216839	0.102337	0.091886	0.193844	0.149303	0	0	0	0	0	0.150842	0	0
APOL3_2	1	0.044775	0.004597	0	0	0.022092	0.063905	0	0.178836	0.021043	0.07443	0.014293	0.067643	4.732727
APOLD1	1	7.91949	4.993345	3.80528	5.558823	4.811394	20.87156	2.539627	1.074853	10.97642	17.69138	5.417666	10.63077	1.962241
APOM	1	0.329104	0.619432	1.725002	1.445517	2.441087	2.640876	0.69933	1.417585	1.134233	0.364721	1.312028	1.251349	0.953751
ApoN	1	0	0	0	0	0	0.158271	0	0	0	0	0	0.031654	#DIV/0!
APOO	1	29.87211	28.24034	14.72279	17.18799	63.77635	45.74476	55.19716	31.7549	22.38087	23.98909	30.75992	35.81336	1.164287
APOOL	1	9.643454	9.208682	5.494155	5.559429	14.63433	7.641984	10.10768	5.903789	16.74229	6.008485	8.90801	9.280846	1.041854
APOPT1	0.051574	6.605657	7.338036	5.989709	7.048019	9.299928	2.03639	1.454476	1.405497	1.623828	1.862606	7.25627	1.676559	0.23105
APP	1	525.489	454.4672	363.3181	502.3846	390.7979	272.2132	564.9721	345.9504	205.4858	261.4704	447.2914	330.0184	0.737815
APPBP2	1	16.93272	22.19504	20.20578	20.72173	16.03845	10.7016	21.26133	21.27571	25.94137	19.64498	19.21874	19.765	1.028423
APPL1	1	18.77271	24.61356	12.6315	11.42979	3.347427	11.50025	17.91453	20.01485	24.36761	14.48971	14.159	17.65739	1.247079
APPL2	1	11.72044	11.44643	11.9333	13.10479	14.14282	22.72875	16.07561	34.50757	27.1853	20.89795	12.46956	24.27904	1.947065
APRT	1	21.87262	12.25285	20.42447	29.16854	67.95351	15.37611	10.85444	12.15934	7.941952	22.28182	30.3344	13.72273	0.452382
APTX	1	4.273399	3.757493	2.16965	2.342309	6.889493	4.126218	1.775942	3.138065	1.14128	2.044641	3.886469	2.445229	0.629165
AQP1	1	3.106718	0.587385	0.982436	1.498711	0.514992	0.331055	0.38833	0.036331	0.218017	0.198631	1.338048	0.234473	0.175235
AQP10	1	0.229544	0.047132	0.182296	0.162482	0.339768	0	0	0	0.053939	0.034689	0.192244	0.017726	0.092204
AQP11	1	1.339556	1.630816	1.395126	1.567544	1.197696	0.688877	1.299841	1.360788	2.441769	1.383698	1.426148	1.434995	1.006203
AQP12B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
AQP2	1	0.044791	0.015175	0.185862	0.010731	0	0	0.009518	0.034728	0.092621	0	0.051312	0.027373	0.533474
AQP3	1	0.096312	0.04834	0.093485	0.089734	0.406559	0	0	0.27657	0.331933	0.017789	0.146886	0.125259	0.852759
AQP4	1	128.7618	91.07747	130.585	108.8569	34.77592	19.87359	49.07253	36.47131	186.6563	43.55678	98.81142	67.12609	0.679335
AQP5	1	0.25692	0.174085	0.991284	0.246211	0.813397	0.089637	0.636933	0.154932	0.752638	1.423625	0.496379	0.611553	1.232028
AQP6	1	0.062752	0	0.11747	0.042955	0.121635	0.046915	0	0.046337	0	0.052158	0.068962	0.029082	0.421706
AQP7	1	0	0.236646	0.812325	1.17351	0.383838	0.054832	0.011132	1.529932	0.297906	0.139337	0.521264	0.406628	0.780081
AQP8	1	0.021488	0	0	0.025741	0	0.056228	0.045662	0.055536	0.222175	0	0.009446	0.07592	8.037391
AQP9	1	0	0	0.028375	0	0	0	0	0	1.041093	0.043196	0.005675	0.216858	38.21225
AQR	1	5.71575	6.419436	9.368647	6.997032	3.412559	2.460238	6.1436	5.598994	6.075742	6.531863	6.382685	5.362087	0.840099
AR	1	0.05601	0.03558	0.275229	0.138382	0.018999	0	0.178528	0.262368	0.18097	0.052373	0.10484	0.134848	1.286227
ARAF	1	7.201209	5.868345	10.91093	13.74634	10.92421	8.477316	4.771289	7.875527	5.30639	6.718585	9.730207	6.629821	0.681365
ARAP1	1	3.899379	2.578778	6.494488	9.658896	6.441755	4.861156	3.385671	3.726007	3.251351	4.35891	5.814659	3.916619	0.673577
ARAP2	1	9.633949	18.30188	27.64394	38.36243	11.32986	9.452529	10.61009	3.800442	7.308665	4.503804	21.05441	7.135107	0.338889
ARAP3	1	1.302386	1.163577	2.940905	2.456272	1.974749	11.21139	2.211113	1.581905	2.812685	3.561227	1.967578	4.275664	2.173059
ARC	1	5.815562	13.87764	5.339701	7.279953	20.21629	8.585871	14.75879	0.032997	1.089049	0.859561	10.50583	5.065254	0.482138
ARCN1	1	41.01437	36.54188	26.82842	23.56643	10.81764	25.26993	46.80202	47.54666	45.78595	36.00292	27.75375	40.2815	1.451389
AREG	1	0.715591	0.548912	0.20641	0.17791	0.952619	0	0.057381	0	0	0.089777	0.520288	0.029432	0.056568
AREL1	1	18.59564	17.59892	15.44775	18.84448	18.60809	13.15872	25.66531	13.04102	9.540568	5.896178	17.81898	13.46036	0.755394

ARF1	1	28.40961	26.0751	30.0775	39.34441	128.8513	144.1976	128.5915	111.9318	62.44755	114.4521	50.55158	112.3241	2.221971
ARF2	1	12.11219	11.40328	7.919601	8.677889	12.54046	5.163914	4.612883	5.716617	8.714327	7.435958	10.53068	6.32874	0.600981
ARF3	1	220.1311	204.8432	149.2799	184.5325	96.12285	303.5489	236.8632	162.8745	106.5323	158.3699	170.9819	193.6377	1.132504
ARF4	1	50.49274	52.97403	29.5613	33.71134	56.79706	54.25201	90.0339	65.74674	74.34304	53.10322	44.7073	67.49578	1.509726
ARF5	1	48.75523	50.71082	42.37086	48.39601	174.8578	70.53401	31.27489	42.00171	43.35747	119.0215	73.01814	61.23792	0.838667
ARF6	1	13.43046	11.30453	9.846076	8.658988	16.95842	16.04273	16.24484	16.12639	10.66282	9.979419	12.0397	13.81124	1.147142
ARFGAP1	1	10.83359	9.140152	9.164852	11.43198	17.46964	10.58042	11.15005	8.404794	9.557762	14.20603	11.60804	10.77981	0.92865
ARFGAP2	1	13.02274	10.52383	18.76137	22.03517	18.70017	18.53663	19.65659	27.0121	19.17993	33.68293	16.60866	23.61363	1.421767
ARFGAP3	1	10.43453	7.84862	7.596205	7.711456	6.13598	7.643016	12.05964	19.55099	14.53706	13.41655	7.945359	13.44145	1.691736
ARFGEF1	1	13.50858	19.35821	18.27529	16.63573	8.699586	11.39105	17.41604	18.92493	20.07377	14.93329	15.29548	16.54782	1.081876
ARFGEF2	1	9.490405	10.23308	10.59303	10.50781	3.995603	3.792826	9.461545	8.477216	9.409733	6.92395	8.963986	7.613054	0.849293
ARFGEF3	1	7.861454	9.550606	23.57697	12.21042	8.395959	5.808631	11.66249	13.6747	15.03712	18.89596	12.31908	13.01578	1.056554
ARFIP1	1	5.572349	5.022101	4.271232	3.714266	3.160318	8.254832	5.826505	7.429304	9.348313	4.100598	4.348053	6.99191	1.608055
ARFIP2	1	16.7462	16.62583	13.95917	17.94185	35.6438	26.70405	28.20527	21.66733	19.0546	30.4055	20.18337	25.20735	1.248917
ARFRP1	1	7.307087	7.89531	8.984977	10.42388	24.32806	9.227271	5.703866	4.443471	4.12668	14.1883	11.78786	7.537917	0.639464
ARG1	1	0.026499	0.052369	0.028936	0.015871	0.035954	0	0	0	2.534281	0.385433	0.031926	0.583943	18.29065
ARG2	1	4.936085	5.365684	5.447757	3.794378	7.377946	26.38471	32.78493	20.29528	23.33444	13.82197	5.38437	23.32426	4.331846
ARGFX	1	0	0	0	0	0	0	0	0	0	0.046842	0	0.009368	#DIV/0!
ARGLU1	1	105.0879	96.56496	78.9154	72.46028	24.90604	56.57033	63.92571	81.04328	79.69317	71.50954	75.58693	70.54841	0.933341
ARHGAP1	1	4.574675	5.520151	10.24101	15.21975	15.04747	19.96642	23.43787	18.39651	13.64749	13.80657	10.12061	17.85097	1.763823
ARHGAP10	1	1.448889	0.737079	3.776283	1.985314	0.723304	1.573729	0.842318	0.582881	0.777288	0.908882	1.734174	0.937019	0.540326
ARHGAP11A	0.000274	0.113345	0.069819	0.015002	0.024686	0.018641	3.343323	5.714758	2.201436	0.497171	0.628056	0.048299	2.476949	51.28397
ARHGAP12	1	13.43878	12.5755	16.85225	14.00346	12.77986	10.00722	13.14168	23.84651	32.94531	12.24815	13.92997	18.43777	1.323605
ARHGAP15	1	0.333467	0.549816	0.393271	0.511307	0.162886	0.73296	0.269268	3.671385	2.965117	0.476727	0.390149	1.623092	4.160179
ARHGAP17	1	4.185323	4.268415	6.888555	5.699306	5.04096	7.122498	4.060122	5.104634	5.095578	3.478702	5.216512	4.972307	0.953186
ARHGAP18	1	4.35696	3.147288	3.744842	3.211016	3.879539	5.433146	3.300085	3.716784	5.894929	1.817753	3.667929	4.032539	1.099405
ARHGAP19	5.64E-05	4.604388	5.076668	9.442643	10.50886	10.58562	1.555713	0.905414	1.135345	1.588006	1.10363	8.043635	1.257622	0.15635
ARHGAP20	1	9.435134	10.88095	5.219561	5.260876	4.940758	3.594647	9.79216	5.653864	7.345012	3.499747	7.147457	5.977086	0.836254
ARHGAP21	1	33.43695	30.47387	41.7436	39.28676	12.58245	40.60234	47.49795	45.01433	43.58505	33.37978	31.50472	42.01589	1.333638
ARHGAP22	1	1.186739	1.693124	1.73401	1.836427	2.555706	0.928274	1.076908	0.414762	1.02614	0.554618	1.801201	0.800141	0.444226
ARHGAP23	1	10.22344	13.05653	25.59835	38.50194	30.62076	23.60546	12.0014	6.405077	6.978656	13.44457	23.6002	12.48703	0.529107
ARHGAP24	1	0.371701	0.386034	1.848252	1.641892	0.378253	0.781568	0.733429	0.257315	0.926467	0.364115	0.925227	0.612579	0.662085
ARHGAP25	1	3.948801	4.459403	2.128167	3.501873	4.181755	10.55505	4.863651	2.181653	1.845156	0.612159	3.644	4.011534	1.10086
ARHGAP26	1	11.40527	11.40885	11.0168	11.58784	6.623819	8.683495	13.00864	27.08657	15.74794	6.031043	10.40852	14.11154	1.355768
ARHGAP27	1	1.099278	1.022594	2.799553	3.124653	0.798858	1.65761	0.52261	0.365962	0.443071	0.879614	1.768987	0.773773	0.43741
ARHGAP28	1	0.946622	0.171164	0.691064	0.608385	0	0.528796	1.254378	1.360689	1.360887	0.791221	0.483447	1.059194	2.19092
ARHGAP29	1	7.996248	5.010528	8.455931	5.995618	2.994235	19.219	7.704847	16.79208	10.80691	11.85049	6.090512	13.27466	2.179564
ARHGAP30	1	1.306496	0.9998	1.332808	1.451784	0.758063	2.878872	1.378987	0.821927	0.844264	0.142884	1.16979	1.213387	1.037269
ARHGAP31	1	3.724277	2.128655	9.861743	10.27982	3.49623	6.764175	4.934084	10.10698	4.165452	1.917899	5.898145	5.577718	0.945673
ARHGAP32	1	23.64634	22.4682	12.93156	18.16878	12.53248	17.08351	16.37069	2.670689	4.245694	1.884816	17.94947	8.451079	0.470826
ARHGAP33	1	8.711988	9.408942	9.944654	23.19411	16.70386	15.71436	7.196729	5.000324	2.892858	6.779046	13.59271	7.516662	0.552992
ARHGAP35	1	37.41091	32.05836	41.71896	53.7044	21.58289	35.6395	29.6888	20.5397	14.33473	13.65013	37.2951	22.77057	0.610551
ARHGAP36	0.017653	0.059421	0.210259	0.553695	0.38437	0.042999	18.76171	7.643292	6.163245	0.491493	1.066791	0.250149	6.825307	27.28497
ARHGAP39	1	6.150747	6.313193	11.50644	15.21658	12.70139	7.476943	5.314752	7.107718	7.868808	11.70825	10.37767	7.895295	0.760797
ARHGAP4	1	0.451686	0.295621	1.098562	1.408015	0.362146	1.907172	0.610788	1.140825	1.247129	3.967571	0.723206	1.774697	2.45393
ARHGAP40	1	0	0	0.024349	0	0	0.058348	0	0	0.028819	0	0.00487	0.017433	3.579802

ARHGAP42	1	1.83702	1.516023	3.544237	1.772082	1.090484	4.37933	2.998058	6.625059	26.60682	12.33975	1.951969	10.5898	5.425191
ARHGAP44	1	32.8368	28.57648	43.20939	47.69675	32.62957	117.6599	53.69993	31.54301	20.90874	34.3682	36.9898	51.63596	1.395951
ARHGAP45	1	0.490071	0.626998	2.011885	1.761159	0.555524	1.412209	1.080922	4.064216	0.849841	0.654823	1.089127	1.612402	1.480453
ARHGAP5	1	21.78798	25.62188	20.99867	17.45237	6.455584	15.12708	28.79829	32.2918	52.38415	19.29545	18.4633	29.57935	1.602062
ARHGAP6	1	0	0.067225	0	0.142615	0	0.311526	0.189739	0	0	0	0.041968	0.100253	2.388803
ARHGAP8	1	0.12218	0.210254	0.266837	0.341505	0.252615	0	0.024726	0	0	0.154746	0.238678	0.035895	0.150389
ARHGAP9	1	0.172465	0.120889	0.168846	0.270711	0.225938	1.182675	0.328568	0.491837	0.491908	0.425099	0.19177	0.584017	3.045406
ARHGDIA	1	53.08525	41.62839	31.23495	39.08865	57.78466	79.84114	46.76262	26.24215	16.87241	28.93569	44.56438	39.7308	0.891537
ARHGDIB	1	7.161145	6.216536	6.609456	8.10089	19.19642	69.02215	7.489446	2.993398	10.04383	4.720279	9.456889	18.85382	1.99366
ARHGDIG	1	21.36325	24.82158	16.98348	24.95816	39.61743	69.03091	21.73138	1.630577	3.109926	5.512297	25.54878	20.20302	0.790763
ARHGEF1	1	3.048429	2.739642	6.601781	9.535263	5.68079	9.750557	6.568356	5.366189	4.474312	4.861971	5.521181	6.204277	1.123723
ARHGEF10	1	5.293359	6.372178	13.04047	14.94311	7.890589	6.477645	6.39916	2.475158	3.020668	3.528928	9.507942	4.380312	0.4607
ARHGEF10L	1	7.551287	5.999483	10.41641	11.11681	3.88564	7.748172	4.936844	4.859108	6.395887	12.45482	7.793925	7.278967	0.933928
ARHGEF11	1	9.99413	10.01303	14.68284	13.25256	7.916844	10.11814	10.2964	7.010603	12.67591	12.55965	11.17188	10.53214	0.942737
ARHGEF12_1	1	11.35874	13.23269	11.73185	9.247062	5.424782	4.613886	12.1773	15.97625	19.97984	11.82682	10.19903	12.91482	1.26628
ARHGEF12_2	1	25.57921	38.36166	36.8673	33.3535	18.12905	18.9915	31.95294	16.8167	17.92014	13.15511	30.45814	19.76728	0.648998
ARHGEF15	1	0.52117	0.431893	2.079905	1.235139	0.854676	4.591544	2.390203	1.782993	3.140075	2.705035	1.024557	2.92197	2.851936
ARHGEF16	1	0.239586	0.150314	4.156902	0.916801	0.451498	0.069657	0.042426	0.171999	0.103214	0.298704	1.18302	0.1372	0.115974
ARHGEF17	1	7.303815	7.113084	11.01461	14.35934	12.0848	10.80877	14.77637	6.249016	10.52211	18.95402	10.37513	12.26206	1.18187
ARHGEF18	1	3.140734	2.582658	4.139963	5.48816	4.01322	0.545223	1.139315	1.503887	2.259443	1.959968	3.872947	1.481567	0.382543
ARHGEF19	1	0.164566	0.394661	0.973223	0.843905	0.301064	0.493513	3.320136	0.86496	0.975014	0.424178	0.535484	1.21556	2.270022
ARHGEF2	1	16.68508	15.80811	22.27773	22.75605	21.79855	23.8186	30.94166	27.47044	11.23881	16.19243	19.8651	21.93239	1.104066
ARHGEF25	1	11.65844	9.870791	19.78453	13.91887	28.09255	10.81492	13.22916	21.95132	13.67328	20.74137	16.66504	16.08201	0.965015
ARHGEF26	1	7.496325	6.227884	2.943402	4.079745	5.04116	4.270011	8.52969	6.505011	1.939547	1.489554	5.157703	4.546763	0.881548
ARHGEF28	1	2.484429	2.113006	2.358889	2.832597	1.574797	5.55523	6.898619	0.800607	0.928839	0.501224	2.272744	2.936904	1.292228
ARHGEF3	1	15.25613	18.84718	9.136423	14.60205	18.82811	11.17951	35.48256	3.059512	3.681151	1.753356	15.33398	11.03122	0.719397
ARHGEF33	1	0.050529	0.075083	4.199247	0.516085	0.093819	0.013918	0.011302	16.88731	15.98925	11.03888	0.986952	8.788131	8.90431
ARHGEF37	1	3.722889	4.125141	17.7535	20.59822	4.96815	13.52356	7.185006	13.87774	6.294571	9.639785	10.23358	10.10413	0.987351
ARHGEF38	1	0.101154	0.076156	0.653543	0.575564	0	0.044114	0.035824	0.043571	0.130732	0.070063	0.281283	0.064861	0.230589
ARHGEF39	1	0.289254	0.209994	0.406106	0.197998	0.420504	0.594693	0.197566	0.560671	0.907886	0.429319	0.304771	0.538027	1.765347
ARHGEF4	1	26.7685	24.60313	30.06923	37.8749	48.14285	73.50919	30.47739	16.12728	17.81761	28.34535	33.49172	33.25537	0.992943
ARHGEF40	1	3.399987	1.666331	8.896061	7.052508	3.934221	8.126353	3.800058	7.626875	8.61715	10.0927	4.989822	7.652627	1.533647
ARHGEF5	1	0.159187	0.007191	0.041719	0.019069	0	0	0.162367	0.032913	0	0.031755	0.045433	0.045407	0.999421
ARHGEF6	1	7.461216	6.296059	10.26143	12.20736	8.371041	5.421745	4.614588	4.213617	10.96901	6.34779	8.919421	6.313351	0.707821
ARHGEF7	1	9.199219	10.8258	13.46884	15.94933	10.74487	23.75367	18.8082	9.191525	6.227232	8.249474	12.03761	13.24602	1.100386
ARHGEF9	1	26.84059	27.2631	16.94798	17.83988	16.8294	16.39673	28.39169	21.43242	15.13096	15.61004	21.14419	19.39237	0.917149
ARID1A	1	10.19433	9.387595	17.24396	16.64015	6.519124	11.3562	12.68711	15.63428	11.65771	11.72521	11.99703	12.6121	1.051269
ARID1B	1	8.797245	8.829817	10.23027	7.929189	4.039195	6.334783	8.246811	13.94481	16.21567	14.98783	7.965144	11.94598	1.499782
ARID2	1	2.945813	3.881178	5.257518	3.269489	2.643167	3.88173	4.705997	11.63141	7.436999	4.993459	3.599433	6.529919	1.814152
ARID3A	1	0.884222	1.125041	1.326027	0.967407	0.303935	0.709538	0.638835	2.193813	1.737021	2.028424	0.921326	1.461526	1.586329
ARID3B	1	0.946972	1.929932	0.721448	0.91805	3.334726	2.189779	2.779738	2.117282	2.09482	1.793837	1.570226	2.195091	1.397946
ARID3C	1	0	0.036152	0.116525	0.038348	0.144787	0	0.068026	0.055157	0.22066	0	0.067162	0.068769	1.023913
ARID4A	1	31.32006	30.67307	7.323445	7.610541	5.357226	7.120095	10.17467	12.62311	12.2885	8.340813	16.45687	10.10944	0.614299
ARID4B	1	17.98666	20.04903	11.12307	10.82964	4.807276	7.988386	11.42481	18.50416	19.30818	13.40879	12.95913	14.12686	1.090109
ARID5A	1	0.627787	0.800966	0.88962	1.326084	1.092389	0.300954	0.15275	0.235321	0.867099	0.438149	0.947369	0.398855	0.421013
ARID5B	1	4.328852	4.020332	3.261594	3.99937	2.212852	4.206531	5.599358	5.503516	4.119204	0.491868	3.5646	3.984095	1.117684

ARIH1	1	16.19716	16.75265	16.22105	13.7781	9.26306	9.814529	19.38082	17.13828	16.18173	12.40281	14.4424	14.98363	1.037475
ARIH2	1	11.25718	12.01696	16.24556	21.17183	11.33047	12.77109	13.48944	16.05016	11.23256	16.6916	14.4044	14.04697	0.975186
ARIH2OS	1	1.304488	1.508409	0.776986	0.762627	1.371943	0.032664	0.159156	0.177441	0.419466	0.695163	1.144891	0.296778	0.25922
ARL1	1	30.9751	31.4773	18.8949	18.6644	30.253	15.30195	35.57713	22.53227	24.45665	17.71111	26.05294	23.11582	0.887263
ARL10	1	9.471954	8.436795	7.859755	11.74674	13.32747	3.732669	4.95391	3.928975	3.750452	2.195163	10.16854	3.712234	0.36507
ARL11	1	0.051682	0.101504	0.363153	0.487204	0.012196	0.082317	0.038199	0	0.139397	0.078442	0.203148	0.067671	0.333113
ARL13A	1	0	0	0.07198	0.052641	0	0	0	0	0.085192	0.091314	0.024924	0.035301	1.416334
ARL13B	1	11.825	8.291724	4.405498	3.582935	2.579717	4.004265	5.436086	5.433073	7.471562	2.633794	6.136975	4.995756	0.814042
ARL14	1	0	0	0	0.008696	0	0	0	0	0.07506	0.024136	0.001739	0.019839	11.40664
ARL14EP	0.258813	13.87706	13.64184	10.40137	12.44052	25.53482	1.410811	4.391836	4.080785	3.318194	2.539433	15.17912	3.148212	0.207404
ARL14EPL	1	0	0.138284	0	0.018335	0.041536	0	0	0	0	0.17811	0.039631	0.035622	0.898836
ARL15	1	8.507578	8.363441	4.143102	5.488901	2.356197	9.507902	11.11668	9.183397	7.543928	5.142703	5.771844	8.498922	1.47248
ARL16	1	3.342907	2.12318	4.127706	4.522111	4.394243	2.716461	1.477699	2.29789	1.412317	2.427587	3.702029	2.066391	0.558178
ARL2	1	23.72647	28.77715	25.57131	35.96046	56.065	47.16976	28.68993	24.89216	42.18541	58.84339	34.02008	40.35613	1.186244
ARL2BP	1	35.88674	40.76032	29.31555	32.84608	49.75094	37.34527	34.76446	27.24895	48.81207	37.85698	37.71192	37.20555	0.986572
ARL3	1	69.11617	62.36646	31.44154	40.4248	143.2858	154.4345	95.04565	66.7331	56.22741	62.89569	69.32696	87.06726	1.255893
ARL4A	1	8.371981	5.867146	3.336414	5.293957	6.531039	15.83117	7.780726	8.930512	5.547125	3.275187	5.880107	8.272944	1.406938
ARL4C	1	11.4905	11.71061	8.578813	9.254476	2.775621	7.288918	13.17949	0.984261	0.787523	1.266168	8.762005	4.701272	0.536552
ARL4D	1	5.161558	5.930499	2.797709	3.580575	13.37657	11.87906	14.53386	1.568244	1.161831	2.440821	6.169382	6.316764	1.023889
ARL5A	1	17.44945	21.03587	17.30698	13.06603	7.781997	16.07959	19.94061	14.69047	18.79595	5.341679	15.32807	14.96966	0.976618
ARL5B	1	4.268271	4.961302	3.61739	3.005537	3.557253	1.769542	5.050381	4.249064	4.446016	2.484573	3.881951	3.599915	0.927347
ARL5C	1	0.057787	0.087013	0.063103	0.08076	0.182952	0	0	0	0	0.01601	0.094323	0.003202	0.033948
ARL6	1	12.42285	13.52961	5.875579	7.289659	9.869173	7.833846	14.46148	9.718259	15.02494	7.123072	9.797373	10.83232	1.105635
ARL6IP1	1	58.81577	51.95742	57.8219	58.62548	105.1068	37.50683	66.33114	60.12023	45.2673	53.31166	66.46548	52.50743	0.789996
ARL6IP4	1	15.7042	14.60613	14.39406	14.49761	26.55094	13.88831	6.785672	8.215302	14.32234	38.56457	17.15059	16.35524	0.953625
ARL6IP5	1	60.0904	51.67601	29.61296	36.11706	102.3112	73.53123	120.1727	59.02206	66.541	54.08682	55.96152	74.67076	1.334323
ARL6IP6	1	2.741194	3.18977	3.377609	3.927079	4.046049	3.586391	4.919678	6.1271	4.595993	2.309178	3.45634	4.307668	1.246309
ARL8A	1	29.4403	29.04345	39.98733	47.09419	62.67334	70.96361	49.56452	38.76178	44.10926	61.19459	41.64772	52.91875	1.270628
ARL8B	1	51.53068	60.53265	47.53504	52.85089	25.56521	48.24008	111.7867	48.3807	54.79045	53.02352	47.60289	63.2443	1.328581
ARL9	1	1.06898	2.539295	0.885542	0.861043	0.400119	2.218439	3.524787	1.810057	0	0.888501	1.150996	1.688357	1.466866
ARMC1	1	30.11185	29.95442	18.59656	19.359	27.26003	22.74557	35.90197	27.00605	22.1523	22.37711	25.05637	26.0366	1.039121
ARMC10	0.030157	16.22011	16.1405	4.863961	7.696154	15.09763	2.014679	3.696347	1.790884	3.272709	1.417371	12.00367	2.438398	0.203138
ARMC12	1	0.208891	0.305799	0.954663	1.088962	0.608852	21.70198	1.808415	1.179711	1.699831	10.06374	0.633434	7.290735	11.50987
ARMC2	1	1.179718	2.042383	1.361147	0.873236	0.664434	0.407707	0.390216	1.46693	1.841121	1.544816	1.224184	1.130158	0.923193
ARMC3	1	0.061462	0.084282	0.373925	0.541665	0.023827	0.091899	0.093288	0.385763	0.612772	0.058383	0.217032	0.248421	1.144628
ARMC4	1	0.207873	0.234752	0.217124	0.286903	0.110367	2.341281	0.70099	0.992719	4.882552	1.870501	0.211404	2.157609	10.2061
ARMC5	1	1.4057	1.560213	2.529781	4.242221	1.473454	0.22101	0.282038	0.779604	0.561396	1.875412	2.242274	0.743892	0.331758
ARMC6	1	2.259259	2.551395	3.693709	5.344668	5.000611	2.245794	2.641788	2.886844	1.631222	8.161703	3.769928	3.51347	0.931973
ARMC7	1	1.601135	1.521063	2.799816	3.414799	3.948624	0.566166	0.551729	0.936651	0.643168	1.591577	2.657087	0.857858	0.322857
ARMC8	1	8.398236	8.525982	8.90977	8.670436	6.343623	9.805089	12.81956	30.86104	15.68341	15.93531	8.169609	17.02088	2.083439
ARMC9	1	3.901411	1.981845	2.985295	4.157518	3.187736	2.179591	5.930289	4.4619	2.447501	2.881763	3.242761	3.580209	1.104062
ARMCX1	1	7.794182	5.777767	4.418363	4.34961	6.886323	16.49328	20.87365	18.84403	16.92734	12.34418	5.845249	17.0965	2.924853
ARMCX2	1	7.528456	6.789419	5.949547	7.201772	8.740002	13.51922	13.06042	14.35854	5.272502	3.669671	7.241839	9.976072	1.377561
ARMCX3	1	25.05302	32.75424	28.02321	30.07636	23.43105	23.89554	33.07013	25.48092	25.5553	21.1573	27.86758	25.83184	0.92695
ARMCX4	1	2.849571	2.303387	2.537498	2.864888	0.512068	4.360645	5.068523	5.002856	3.671853	5.642737	2.213482	4.749323	2.145634
ARMCX5	1	13.62368	12.0953	8.195105	10.32265	13.25298	19.73625	16.64854	18.20179	20.56834	8.322223	11.49794	16.69543	1.452036

ARMCX6	1	3.767872	3.943733	5.492006	7.445792	2.289804	3.49774	2.130343	3.260345	1.900345	0.888828	4.587841	2.33552	0.509067
ARMH1	1	0.349017	0.617852	0.123606	0.237292	1.663854	0.444289	0.100222	0.658227	0.731469	0.736989	0.598324	0.534239	0.892892
ARMH2	1	0.091296	0.073644	0.085451	0.148421	0	0.136509	0.055428	0	0.202272	0.021681	0.079762	0.083178	1.042821
ARMH3	1	6.273418	7.00062	6.621146	6.440584	7.19424	11.14967	10.30015	9.384262	11.60199	8.690428	6.706001	10.2253	1.524798
ARMH4	1	15.16297	18.12554	13.38705	11.5455	14.77364	8.200592	31.21671	24.17972	15.27833	21.04962	14.59894	19.985	1.368935
ARMT1	1	7.758518	9.702227	5.269182	5.574862	8.508037	3.493064	8.86131	6.631063	7.945771	7.634518	7.362565	6.913145	0.938959
ARNT	1	6.550541	5.764687	7.728797	5.779877	1.387396	8.068607	8.504518	15.42236	13.17389	9.667471	5.44226	10.96737	2.015224
ARNT2	1	42.20336	33.34348	22.63272	29.19297	30.72121	27.74995	16.03757	9.868772	11.29497	13.55358	31.61875	15.70097	0.496571
ARNTL	1	6.252948	5.331892	5.257935	4.791196	4.215948	7.957487	12.22188	20.21828	15.72129	12.31769	5.169984	13.68733	2.64746
ARNTL2	1	0.969681	1.249585	0.727569	0.598603	0.064574	5.136925	6.257418	6.165279	5.966275	7.832218	0.722003	6.271623	8.686428
ARPC1A	1	38.40597	39.22431	48.91835	61.17534	87.56006	72.98332	60.31694	47.57472	51.8042	108.6598	55.05681	68.26779	1.239952
ARPC1B	1	5.100843	3.488877	8.03345	10.76951	6.513887	4.187354	1.629397	1.206273	4.021494	5.578975	6.781314	3.324699	0.490273
ARPC2	1	102.0551	86.52366	50.68002	63.52139	169.8838	213.3484	150.2315	94.42098	70.03819	66.42524	94.53279	118.8929	1.257689
ARPC3	1	84.82203	79.68327	68.1286	87.96714	264.4242	173.1658	124.9139	69.82883	65.35609	69.95121	117.0051	100.6432	0.860161
ARPC4	1	50.13862	62.12674	36.31592	44.64111	111.0353	125.2325	85.33228	51.97396	48.87245	40.76151	60.85153	70.43453	1.157482
ARPC5	1	36.21532	38.62854	29.03819	40.6307	40.1918	41.91554	30.2311	33.23722	32.14167	23.91291	36.94091	32.28769	0.874036
ARPC5L	1	27.04666	27.96248	21.16734	29.0255	101.2851	100.2006	65.86639	28.16818	32.52102	41.31266	41.29742	53.61376	1.298235
ARPIN	1	4.595648	4.074065	8.915948	5.404171	14.59116	3.968338	4.003863	4.05804	5.38511	11.86669	7.516198	5.856408	0.779172
ARPP19	1	84.76051	88.76778	31.97212	46.15926	131.146	57.70779	61.41159	19.97488	20.65202	12.02829	76.56114	34.35491	0.448725
ARPP21	1	80.20319	93.99182	13.04103	34.17739	99.51076	85.23015	60.2798	9.809097	6.469871	7.274716	64.18484	33.81273	0.526802
ARR3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ARRB1	1	38.61487	39.74221	58.43877	57.70861	31.71164	61.82374	53.58344	23.56208	26.9416	35.04486	45.24322	40.19114	0.888335
ARRB2	1	11.97258	10.34245	11.40029	9.846829	23.56696	36.65085	17.70418	25.82938	18.10241	25.63074	13.42582	24.78351	1.845959
ARRDC1	1	1.490192	1.5064	2.157491	2.420236	2.150683	9.405127	2.929385	3.245491	1.73118	4.796667	1.945	4.42157	2.2733
ARRDC2	1	1.257595	1.708271	13.12379	19.98199	19.84839	11.89	9.252301	4.047398	2.637325	8.687586	11.18401	7.302921	0.652979
ARRDC3	1	7.970114	10.52295	11.07412	14.50525	4.934486	6.509824	6.449555	19.07857	16.93001	10.68491	9.801383	11.93057	1.217234
ARRDC4	1	3.577311	3.23858	2.97012	4.285238	2.105997	1.895332	2.104577	2.196727	1.222704	2.678465	3.235449	2.019561	0.624198
ARRDC5	0.000164	0.133862	0.075586	0.380055	0.673482	0.799168	0	0	0	0	0	0.412431	0	0
ARSA	1	3.603555	2.980322	10.18474	13.44518	11.7634	0.887463	3.198079	5.341384	4.986017	7.364558	8.395437	4.3555	0.518794
ARSB	0.001159	15.82966	25.36541	70.65757	103.0514	27.74249	4.046139	9.265964	7.593001	8.062314	7.116506	48.5293	7.216785	0.14871
ARSE	1	0.881596	0.652847	0.773305	1.722587	0.529457	0.680707	0.675633	0.373514	0.074714	0.132136	0.911958	0.387341	0.424735
ARSG	1	2.555554	1.518368	2.140064	3.045683	1.431158	0.68148	0.394311	0.731984	0.471231	1.553157	2.138166	0.766433	0.358453
ARSH	1	0.495525	0.443247	0.342877	0.875686	0.665689	0	0	0	0	0	0.564605	0	0
ARSI	1	0.279424	0.040284	0.103873	0.277747	0.371066	0.062226	0.088433	0.12292	0	0.424965	0.214479	0.139709	0.651388
ARSJ	1	0.022022	0	0	0.004397	0	0	0.031197	0	0	0.024405	0.005284	0.01112	2.104662
ARSK	1	7.088545	3.960052	4.933281	4.999445	2.072465	2.082818	12.38853	12.95462	12.01118	4.130493	4.610758	8.713527	1.889825
ART1	1	0.010759	0.00405	0.015664	0.008592	0	0	0	0	0.018539	0.023846	0.007813	0.008477	1.085005
ART3	1	0.095658	0.139535	0.800836	0.14801	0.10816	0.542328	3.497916	1.442134	0.206049	0.265026	0.25844	1.190691	4.607226
ART4	1	0.332732	0.041751	0.080742	0.088573	0.100325	0	0.07856	0.191095	0	0	0.128824	0.053931	0.418639
ARTN	1	0	0.018803	0	0	0	0	0	0.301212	0	0	0.003761	0.060242	16.01967
ARV1	1	22.96396	22.11533	14.98627	17.40081	40.46888	17.39319	25.02267	17.4752	14.81165	15.97916	23.58705	18.13637	0.768912
ARVCF	1	2.373903	2.821451	9.572128	7.430603	2.772503	0.718896	0.930436	8.675842	8.965601	29.61448	4.994118	9.781052	1.958515
ARX	1	2.595005	4.162237	1.139638	3.260589	8.61113	7.675942	5.414359	0	0.048606	0	3.95372	2.627782	0.664635
AS3MT	1	6.113776	6.994576	4.945277	4.994126	7.192952	7.737448	0.764204	0.998302	16.52602	17.20426	6.048141	8.646047	1.429538
ASAH1	1	11.29113	9.497272	11.61582	11.69831	14.6303	15.33219	10.78745	10.03302	10.38913	15.24109	11.74657	12.35658	1.051931
ASAH2	1	0.059039	0.200018	0.522916	0.290747	0.035603	0.06866	0.055757	0.093245	1.169968	0.059976	0.221665	0.289521	1.306123

ASAP1	1	17.53651	17.53093	13.49794	14.71154	16.62744	11.83336	15.72721	7.791766	6.998329	5.635732	15.98087	9.59728	0.600548
ASAP2	1	14.94931	19.48442	7.289178	6.991783	16.75614	16.12314	28.92826	15.52985	8.400273	22.679	13.09417	18.3321	1.40002
ASAP3	1	3.668593	2.799299	6.82108	5.513026	1.233208	7.264467	3.371059	5.189073	4.356892	7.705442	4.007041	5.577387	1.391896
ASB1	1	5.042074	5.961549	9.385805	9.870525	0.826462	4.42732	6.831172	4.503987	5.947878	14.23186	6.217283	7.188443	1.156203
ASB10	1	0.027169	0	0.044503	0.032546	0.018432	0.142187	0.0433	0.026332	0.070228	0.48552	0.02453	0.153513	6.258162
ASB11	1	1.444048	1.612135	1.189412	1.522239	2.888621	0	0.508499	0.021326	0.426583	0.452664	1.731291	0.281814	0.162777
ASB12	1	0.281415	0.378117	0.233279	0.226378	0.178375	0.333247	0.218246	0.360997	0.456621	0.109269	0.259513	0.295676	1.13935
ASB13	1	3.26624	4.591519	2.860767	4.096012	0.830953	0.890276	7.193638	4.704328	3.253934	7.437394	3.129098	4.695914	1.500724
ASB14	1	0.302053	0.418135	1.6279	1.313084	0.661026	0.152975	0.445152	2.681873	1.964474	0.931339	0.86444	1.235163	1.428859
ASB15	1	0	0.028595	0.0316	0	0	0	0	0.018697	0	0.072157	0.012039	0.018171	1.509339
ASB16	1	0.057478	0.048683	1.019926	0.628278	0.097485	0.2256	0	0.074274	0.817134	2.37674	0.37037	0.69875	1.886627
ASB17	1	0	0.077976	0	0	0	0	0	0	0.624662	0	0.015595	0.124932	8.010998
ASB18	1	0.048877	0.055197	0.093402	0.102461	0.099477	0	0.142808	0.126319	0	0.21328	0.079883	0.096481	1.207791
ASB2	0.086317	5.751867	6.342685	4.078322	8.486723	10.88932	0.261103	0.363492	0.055262	1.879168	1.421788	7.109784	0.796163	0.111981
ASB3	1	7.798289	7.687475	7.084489	7.213731	11.40396	28.65273	18.93003	17.31305	14.61395	8.471195	8.23759	17.59619	2.136085
ASB4	1	0.087218	0.131327	0.19048	0	0.11834	1.065024	0.401555	0.41325	0.751473	1.57067	0.105473	0.840395	7.967862
ASB5	1	0.429211	0.229255	0.595363	0.180647	0.645328	1.092747	2.095254	1.349114	5.547164	6.334651	0.415961	3.283786	7.894462
ASB6	1	5.245111	5.02528	6.983926	10.70151	11.52455	3.940315	7.100823	8.701879	3.017673	4.190805	7.896076	5.390299	0.682655
ASB7	1	3.87164	3.606202	3.175741	2.818131	2.731849	2.832464	3.335286	4.196379	5.27888	2.609172	3.240712	3.650436	1.12643
ASB8	1	2.843712	3.628519	3.716075	3.928176	5.526968	4.480265	5.294206	5.087205	2.836447	3.375049	3.92869	4.214634	1.072784
ASB9	1	0.010856	0.049039	0	0.052017	0.176758	0.113626	0.092274	0.16834	0.056122	0.072185	0.057734	0.100509	1.740904
ASCC1	1	6.099137	3.653889	4.284418	4.911583	5.550658	3.795221	2.430067	4.589495	5.046776	4.002972	4.899937	3.972906	0.810808
ASCC2	1	3.41891	3.664129	6.060434	6.537444	4.527874	2.923088	3.704324	3.650243	4.414034	4.849493	4.841758	3.908236	0.807194
ASCC3	1	4.771535	4.721668	4.005495	4.759663	1.486992	5.460361	8.405971	7.216698	10.10226	4.171829	3.949071	7.071424	1.790655
ASCL1	1	1.214118	1.302555	1.226358	2.117947	1.503214	4.685983	1.693085	0.706009	2.824447	2.182253	1.472838	2.418355	1.641969
ASCL2	1	0.087761	0.231255	0.063889	0.210257	0.436617	0	0.155407	0.037802	0	0.121574	0.205956	0.062956	0.30568
ASCL3	0.00343	0	0	0	0	0	76.49075	42.69144	34.66041	0	0.087085	0	30.78594	#DIV/0!
ASCL4	1	0.053435	0.057168	1.295976	1.512635	0.015264	0.058872	0	0	0.13085	0.130902	0.586895	0.064125	0.109261
ASCL5	1	0	0	0.047446	0.078071	0.058953	0	0	0	0	0.144454	0.036894	0.028891	0.783075
ASF1A	1	10.41134	9.306359	3.093327	3.195042	18.56908	14.34348	11.0227	14.73733	7.227098	6.880039	8.915029	10.84213	1.216163
ASF1B	1	0.421921	0.146608	0.897831	0.946035	0.411009	0.3397	0.344831	0.307557	0.335566	0.449598	0.564681	0.35545	0.629471
ASGR1	1.29E-11	0.026433	0.029851	0	0	0.071731	9.821734	5.336102	12.46757	3.347943	7.601795	0.025603	7.715028	301.3306
ASGR2	1	0.294371	0.132974	0.025716	0	0.287578	0.308108	0.075063	0.030431	0.426102	0.978686	0.148128	0.363678	2.455166
ASH1L	1	14.65029	17.41035	21.80202	17.56657	7.809382	16.3949	21.20619	33.09008	27.73191	23.29791	15.84772	24.3442	1.536132
ASH2L	1	12.44364	12.30345	11.46581	11.30227	7.881206	9.859828	14.84302	25.44306	42.84757	25.3524	11.07927	23.66917	2.136347
ASIC1	1	8.504913	8.535049	17.71673	25.44459	24.87659	9.127467	10.66843	9.671802	4.737086	8.000228	17.01557	8.441002	0.496075
ASIC2	1	4.376073	3.752086	5.21079	6.771287	4.840856	17.82519	19.34415	8.961326	4.610999	6.33854	4.990218	11.41604	2.287684
ASIC3	1	0.087285	0.139643	0.047657	0.148125	0.43425	0.076132	0.030913	0.169188	5.678019	0.967315	0.171392	1.384313	8.076885
ASIC4	1	1.271514	1.214654	2.63126	2.112418	2.669872	1.592656	0.823859	0.053871	0.086207	0.207903	1.979943	0.552899	0.27925
ASIC5	1	0	0	0	0	0	0.111816	0	0	0	0.035518	0	0.029467	#DIV/0!
ASIP	1	0.124212	0.056109	0.162765	11.04044	0.269657	0.260017	0.211156	0	0	0.454261	2.330637	0.185087	0.079415
ASL	1	2.745459	3.228505	3.236765	4.07458	6.549207	14.49503	14.24932	15.25842	18.00296	23.15591	3.966903	17.03233	4.293609
ASMT	1	0.39387	0.303766	0.755295	0.391261	0.808143	0	0	0.099311	0	0.175663	0.530467	0.054995	0.103672
ASMTL	1	7.715954	6.554057	9.641212	11.94396	4.853822	5.128424	2.688865	3.122766	6.000519	13.93359	8.141801	6.174832	0.758411
ASNA1	1	38.33623	39.47531	29.372	36.66325	69.27378	138.2714	77.56982	68.32288	46.19684	105.8908	42.62411	87.25036	2.046972
ASNS	1	11.94204	14.52482	8.049302	9.45127	12.45981	11.76109	12.95995	11.99156	9.830577	13.38004	11.28545	11.98464	1.061955

ASNSD1	1	17.89105	20.44458	11.38493	14.1871	26.79676	33.13306	13.5538	9.646569	9.363011	6.885437	18.14089	14.51638	0.800202
ASPA	1	1.637099	3.341593	4.241576	4.348461	4.001053	18.03959	23.68145	8.85617	13.08906	10.58136	3.513956	14.84953	4.225871
ASPDH	1	1.03157	0.604711	1.496207	1.565864	0.66244	0.329682	0.200797	1.221085	0.488505	2.421684	1.072158	0.932351	0.869602
ASPG	1	0	0	0	0	0	0.170046	0.331419	0.03359	0.369548	0.043211	0	0.189563	#DIV/0!
ASPH	1	7.327417	6.655565	6.116897	4.193421	5.374108	2.197478	5.078334	7.823515	9.414216	10.70537	5.933482	7.043783	1.187125
ASPHD1	1	28.21631	27.01616	23.21753	24.74571	23.40699	23.54571	11.25412	23.28899	15.35104	42.3747	25.32054	23.16291	0.914787
ASPHD2	1	6.553162	7.015014	7.993125	9.438761	9.795147	0.585736	3.282099	2.039295	2.893038	5.823533	8.159042	2.92474	0.358466
ASPM	1	0.042757	0.040238	0.015563	0.029877	0	0.037293	0.052999	0.018417	0	0	0.025687	0.021742	0.846418
ASPN	1	1.448947	0.473902	0.657097	0.455261	0.94539	1.243084	0.672992	0.388796	1.637274	0.131619	0.79612	0.814753	1.023405
ASPRV1	1	0.201035	0	0	0.076048	0	0	0	0	0.109398	0	0.055417	0.02188	0.394819
ASPSCR1	1	12.43556	9.452388	16.13858	18.37232	23.49242	20.233	10.85794	8.900028	8.448015	17.26646	15.97825	13.14109	0.822436
ASRGL1	1	10.88511	9.907486	15.32804	15.76382	8.77341	27.97254	25.8231	26.20051	25.19646	60.09057	12.13157	33.05664	2.724843
ASS1	1	12.66268	2.845848	12.18454	15.93448	6.90649	26.70401	3.836324	1.749705	13.6108	0.604394	10.10681	9.301046	0.920276
ASTE1	1	1.399772	1.404675	1.481005	1.316228	0.895506	4.080247	4.600373	3.945655	1.049828	0.825864	1.299437	2.900393	2.232038
ASTL	1	0	0	0.126539	0.059491	0.044923	0	0	0	0	0	0.046191	0	0
ASTN1	1	24.42863	18.56921	21.57755	17.71668	2.175693	11.04656	37.11921	20.5008	11.15054	11.86529	16.89355	18.33648	1.085413
ASTN2	1	6.023161	7.395603	10.86701	6.339258	8.06519	3.991855	10.9513	21.66442	17.24416	17.76497	7.738044	14.32334	1.851029
ASXL1	1	5.787273	6.147197	8.564123	9.213108	6.283373	8.475174	7.41773	12.18527	11.35404	7.752126	7.199015	9.436869	1.310856
ASXL2	1	2.642607	3.150284	4.891759	4.709409	1.909754	2.004187	3.044932	4.178149	4.551339	2.565262	3.460763	3.268774	0.944524
ASXL3	1	0.479024	0.761467	1.574941	0.860731	0.098907	1.021831	1.11748	1.365849	2.059166	0.839575	0.755014	1.28078	1.696366
ASZ1	1	1.008225	0.835777	0.304522	0.758054	0	0	0	0	0.110897	0.01783	0.581316	0.025745	0.044288
ATAD1	1	26.34357	24.94991	18.31572	16.98791	24.26394	9.220909	32.29872	29.14061	25.69952	16.49919	22.17221	22.57179	1.018022
ATAD2	1	1.45159	2.213885	0.849749	0.860462	0.04061	0.234948	0.222597	0.270731	2.707699	0.248766	1.083259	0.736948	0.680306
ATAD2B	1	1.204923	1.523763	2.627462	1.866847	1.280783	1.908194	1.565345	4.950917	5.090378	2.889097	1.700756	3.280786	1.929017
ATAD3A	1	4.254865	4.253927	5.828602	7.563106	6.911228	3.631373	6.546083	5.636176	8.514623	7.212436	5.762346	6.308138	1.094717
ATAD5	1	0.307967	0.176793	0.269036	0.242867	0.069644	0.470078	0.458091	0.935211	1.008317	0.729521	0.213261	0.720244	3.377281
ATAT1	1	10.2568	9.133813	4.355644	4.673629	22.38995	21.51349	15.56799	9.256805	3.787426	3.180003	10.16197	10.66114	1.049122
ATCAY	1	27.55953	23.94433	18.58718	23.82445	29.35309	6.820189	14.74642	3.265189	0.860863	4.368887	24.65372	6.012311	0.24387
ATE1	1	3.341116	2.764879	2.724048	2.64285	1.931069	1.924336	3.206952	3.442347	4.492455	2.76823	2.680792	3.166864	1.181316
ATF1	1	3.678729	4.21789	3.369181	3.710928	3.711794	2.876359	4.578785	8.716522	11.30084	5.731124	3.737704	6.640726	1.776686
ATF2	1	24.19157	27.11551	16.97874	17.53738	22.53284	25.91588	32.03731	33.58578	30.18259	21.77123	21.67121	28.69856	1.324271
ATF3	1	1.939207	0.187467	1.746794	0.388667	0.26619	0.671302	0.400848	0.663036	7.177431	0.74005	0.905665	1.930533	2.131619
ATF4	1	99.27594	88.0394	79.10771	86.23523	308.4379	121.9733	94.82396	71.02565	52.5794	66.15891	132.2192	81.31224	0.61498
ATF5	1	5.734439	3.750164	4.599522	5.518077	6.956602	1.031988	0.586642	0.713496	2.609737	1.350554	5.311761	1.258483	0.236924
ATF6	1	18.42632	20.92119	12.55961	13.27262	6.487267	5.00429	10.936	6.379652	9.442426	6.041302	14.3334	7.560735	0.527491
ATF6B	1	12.97552	12.18284	11.68035	12.38301	27.43186	17.66833	13.2103	16.97821	8.574739	8.206672	15.33072	12.92765	0.843252
ATF7	1	3.968269	3.35489	12.23046	11.10519	4.612289	4.637471	3.827751	11.07548	7.47234	5.059128	7.054218	6.414433	0.909305
ATF7IP	1	6.545254	7.947896	9.711436	7.816704	4.441915	6.913118	6.679568	11.75488	16.19315	8.199772	7.292641	9.948097	1.364128
ATF7IP2	1	0.375808	0.558706	0.290899	0.14816	0.348546	1.468821	0.61662	0.19671	0.024592	0.094894	0.344424	0.480327	1.394582
ATG10	1	1.621949	1.967692	3.33184	2.135291	3.94386	6.84938	8.87233	8.425171	8.799981	4.431411	2.600126	7.475655	2.875112
ATG101	1	9.255766	10.77059	10.21407	14.57791	31.72862	9.354517	6.477965	6.771289	6.265936	14.26681	15.30939	8.627303	0.56353
ATG12	1	39.81247	44.60743	38.9686	45.45933	37.83364	50.51743	40.49297	26.07874	26.63198	25.62874	41.33629	33.86997	0.819376
ATG13	1	15.96628	17.28152	28.50126	41.89172	32.00803	31.82589	24.06719	27.40372	16.07977	22.49476	27.12976	24.37427	0.898433
ATG14	1	6.444245	6.196952	6.852317	5.176558	4.746279	8.524374	8.076255	13.21571	11.94073	9.121889	5.88327	10.17579	1.729615
ATG16L1	1	10.25878	10.52271	10.1573	10.62722	8.973249	5.093002	12.84199	18.75936	8.533278	8.017297	10.10785	10.64899	1.053536
ATG16L2	1	4.437597	3.527785	5.001894	5.522584	6.412735	1.778813	0.647752	0.474087	0.892528	2.201819	4.980519	1.199	0.240738

ATG2A	1	3.391874	2.963312	7.281632	9.377993	2.451904	7.613956	5.980743	7.990213	10.64024	10.62903	5.093343	8.570838	1.682753
ATG2B	1	5.739165	8.069688	9.922684	8.068877	6.077739	3.018497	6.289447	10.70925	7.29747	7.227496	7.575631	6.908431	0.911928
ATG3	1	34.44181	34.33567	21.61727	26.89441	40.44009	48.98318	51.68596	47.84246	22.45412	27.05063	31.54585	39.60327	1.255419
ATG4A	1	3.327259	2.742436	3.06506	2.323419	0.727462	3.053401	3.81995	3.79013	3.668401	3.381521	2.437127	3.542681	1.45363
ATG4B	1	7.64673	7.587675	16.00141	17.57258	4.167507	7.53474	12.16969	10.99756	13.06668	13.26987	10.59518	11.40771	1.076688
ATG4C	1	6.070461	7.34306	6.669828	9.340848	4.755161	4.224911	9.601427	7.666467	8.379341	6.200324	6.835872	7.214494	1.055388
ATG4D	1	2.879799	4.408262	3.907348	5.203192	10.20341	6.308762	4.228707	4.970026	3.857895	9.19267	5.320402	5.711612	1.07353
ATG5	1	4.37215	4.807118	2.513219	3.064799	4.386054	5.593541	5.587021	4.350432	5.198175	3.021099	3.828668	4.750054	1.240654
ATG7	1	0.960163	1.040085	0.786071	0.86485	0.663601	0.775611	1.073013	0.856346	0.88657	0.550808	0.862954	0.828469	0.960039
ATG9A	1	14.1337	13.6955	21.3525	26.041	18.71026	15.22353	24.13686	23.57038	14.22975	23.45035	18.78659	20.12217	1.071092
ATG9B	1	1.217391	1.338388	1.787163	1.844612	2.94261	1.666588	1.576122	1.427285	0.437626	1.722164	1.826033	1.365957	0.748046
ATIC	1	27.74825	25.85215	20.97034	26.0451	29.45096	18.57913	20.11056	19.25361	13.07534	19.11122	26.01336	18.02597	0.692951
ATL1	1	53.4379	52.85411	29.88589	34.6361	44.90862	21.72135	106.1063	36.05492	35.95684	21.67354	43.14452	44.30259	1.026842
ATL2	1	18.5253	19.22263	16.7267	10.84309	15.30457	23.76353	26.96466	37.66135	31.95239	16.18006	16.12446	27.3044	1.693353
ATL3	1	10.17558	7.253164	8.879722	10.12567	6.720515	2.677563	3.782076	4.227128	7.977138	3.551336	8.630931	4.443048	0.514782
ATM	1	3.159553	4.338418	5.994597	3.856714	0.849008	3.246072	5.81716	6.313481	3.563898	2.972334	3.639658	4.382589	1.204121
ATMIN	1	10.63107	8.552087	7.8597	10.7437	9.207664	3.48384	5.701204	6.798464	4.025443	5.948919	9.398845	5.191574	0.552363
ATN1	1	30.97964	30.8911	78.62119	80.13775	18.40528	45.39042	24.40645	36.75561	48.71086	131.9195	47.80699	57.43657	1.201426
ATOH1	1	0	0	0	0	0	0	0.072959	0	0.088748	0	0	0.032341	#DIV/0!
ATOH7	1	0.063182	0.02973	0.97741	0.018921	0.200031	0.055109	0.089506	0.217721	0.136095	0.236317	0.257855	0.14695	0.569892
ATOH8	1	0.40035	0.296388	0.728625	1.044413	0.917421	0.186237	0.094525	1.299102	0.344944	0.806014	0.677439	0.546164	0.806219
ATOX1	1	8.835868	6.115453	9.119347	9.881036	36.06763	22.87661	8.239159	4.841767	3.324682	9.854083	14.00387	9.82726	0.701753
ATP10A	1	1.968131	1.535337	3.334502	4.442372	4.423353	3.296705	1.436915	0.827825	1.637491	1.24833	3.140739	1.689453	0.537916
ATP10B	1	0.863083	0.889699	0.939902	1.186006	0.906217	0.553831	0.31483	1.081866	0.89966	0.297111	0.956982	0.62946	0.657755
ATP10D	1	0.999743	0.760858	1.145945	1.350073	0.32859	5.264478	2.955691	1.75729	2.72861	0.412896	0.917042	2.623793	2.861148
ATP11A	1	3.639333	4.512629	10.34531	8.78269	3.369766	7.279501	5.121563	10.641	16.76136	6.032969	6.129946	9.167278	1.495491
ATP11B	1	2.905069	4.021581	3.650502	2.804872	1.974402	4.39203	8.197466	7.74247	10.96822	6.737669	3.071285	7.60757	2.476999
ATP11C	1	1.535067	1.94758	1.593485	1.649665	0.882847	2.479478	3.349193	8.146828	5.861998	1.233892	1.521729	4.214278	2.769401
ATP12A	1	0.210456	0.149835	0.199838	0.202779	0.086908	0	0	0.047297	2.105004	0.083659	0.169963	0.447192	2.631114
ATP13A1	1	4.624192	4.85702	9.264598	9.365157	7.151602	14.25334	12.99054	19.62287	11.72479	18.45194	7.052514	15.40869	2.184851
ATP13A2	1	8.922941	10.5793	29.76607	29.27691	6.330997	20.09016	24.04249	7.272585	18.10277	29.72559	16.97524	19.84672	1.169157
ATP13A3	1	5.779528	6.926756	9.658627	8.000763	4.475056	11.57903	21.74476	18.57087	15.32654	6.071289	6.968146	14.6585	2.103644
ATP13A4	1	5.334504	5.655829	8.363667	8.393204	7.171641	1.984939	6.092426	4.195042	13.80981	7.884683	6.983769	6.79338	0.972738
ATP13A5	0.000695	0	0.019272	0	0.020443	0.011578	0	0	0	0	0.021277	0.010259	0.004255	0.414807
ATP1A1	1	332.6575	328.5764	216.4458	264.4906	328.0024	75.39971	500.2126	444.2582	214.6054	474.9118	294.0345	341.8775	1.162712
ATP1A2	1	241.9766	120.3501	285.9657	246.1346	177.4527	159.4961	279.8289	209.8238	211.0262	226.2736	214.3759	217.2897	1.013592
ATP1A3	1	224.8241	235.7598	332.5134	353.9883	192.0251	171.6439	332.4241	207.4362	169.9814	323.8988	267.8221	241.0769	0.900138
ATP1A4	4.44E-13	0.165072	0.120269	0.046517	0.108437	0	5.406176	13.49894	10.08745	4.487022	15.50825	0.088059	9.797567	111.2615
ATP1B1	1	325.5578	338.7012	231.7149	231.2873	69.66457	65.93681	422.1967	148.4079	183.0048	193.8902	239.3851	202.6873	0.8467
ATP1B2	1	171.4461	124.7529	296.3589	210.733	48.12159	65.48918	185.7968	247.2736	249.4972	283.9956	170.2825	206.4105	1.212165
ATP1B3	1	28.6064	10.4136	22.6199	24.77041	25.74494	22.32634	26.78538	27.36126	36.4245	19.10573	22.43105	26.40064	1.176969
ATP1B4	1	0	0	0.016107	0.004417	0	0	0.031344	0.019061	0.514714	0.01226	0.004105	0.115476	28.13129
ATP23	1	4.427286	3.674175	2.870055	3.28598	3.358436	10.34946	7.265936	12.10155	10.68522	13.08614	3.523187	10.69766	3.03636
ATP2A1	1	0.778096	0.343057	1.08245	1.315121	0.853276	0.083672	0.509614	0.964151	3.251039	2.471738	0.8744	1.456043	1.665191
ATP2A2	1	128.4171	133.3632	102.2852	106.6767	78.09396	36.43761	161.4349	87.4312	74.22937	46.52216	109.7673	81.21104	0.739848
ATP2A3	1	0.707472	0.70391	1.522116	1.653996	0.792204	0.509256	0.475034	5.28135	0.598232	0.306036	1.07594	1.433982	1.332772

ATP2B1	1	78.95509	116.0695	42.57984	46.1496	44.79519	25.53302	125.4895	86.42769	80.8963	58.27988	65.70985	75.32527	1.146332
ATP2B2	1	57.34312	61.33865	55.46839	47.21532	67.2454	23.80003	86.89593	50.91059	47.03892	52.98954	57.72217	52.327	0.906532
ATP2B3	1	12.10458	13.6627	13.5826	13.94	10.55096	3.167361	14.59037	6.057151	10.1201	20.26409	12.76817	10.83981	0.848972
ATP2B4	1	39.81731	36.4994	14.69484	24.15855	26.09519	16.7714	66.45292	38.14487	12.42806	7.212077	28.25306	28.20187	0.998188
ATP2C1	1	37.70974	39.93333	31.34185	31.53422	26.9735	31.27373	63.65946	47.22804	39.17795	26.91784	33.49853	41.6514	1.24338
ATP2C2	0.003289	1.084026	1.091525	1.586088	2.878554	3.101091	0.223569	0.317724	0.220816	0.082818	0.292938	1.948257	0.227573	0.116809
ATP4A	0.000184	0.010686	0.012068	0	0.0064	0.028999	0.447392	0.079476	3.783626	8.838951	1.749746	0.011631	2.979838	256.2062
ATP4B	1	0	0	0.051079	0	0	0	0	0	0.12091	0	0.010216	0.024182	2.367093
ATP5F1A	1	188.464	189.6511	177.4211	174.2876	296.3326	202.7902	329.1424	293.4186	148.0289	216.4932	205.2313	237.9747	1.159544
ATP5F1B	1	312.6895	310.2003	229.6102	207.6096	319.7479	407.5754	622.8508	455.9459	245.933	355.426	275.9715	417.5462	1.513005
ATP5F1C	1	32.88942	40.60391	20.90803	23.38808	63.52019	59.31908	74.91944	62.1211	38.52276	33.06439	36.26192	53.58935	1.477841
ATP5F1D	1	61.24536	63.71527	86.54399	100.996	236.9643	64.7499	40.48265	25.14205	28.13924	128.7307	109.893	57.44891	0.522771
ATP5F1E	1	76.16872	63.14856	61.91739	76.80451	368.2785	370.9247	165.2556	123.0758	78.85426	117.5504	129.2635	171.1322	1.323901
ATP5IF1	1	140.5871	147.295	93.9853	100.5683	373.5193	243.4381	108.3606	54.43127	185.3933	286.2186	171.191	175.5684	1.02557
ATP5MC1	1	49.98286	50.79356	50.89481	58.60901	402.9236	155.2398	103.2838	52.03903	53.41157	84.15684	122.6408	89.62621	0.730803
ATP5MC2	1	34.02925	28.32592	61.52506	60.28395	201.8373	195.7369	49.86667	72.21077	92.96081	141.9953	77.2003	110.5541	1.432042
ATP5MC3	1	56.74798	63.56704	85.98754	90.50793	271.8385	346.9019	298.5954	221.8087	165.5426	281.8792	113.7298	262.9456	2.31202
ATP5MD	1	2.440453	2.456451	5.445721	8.388899	73.71228	1.110582	0.676414	0	0.274267	0.617346	18.48876	0.535722	0.028976
ATP5ME	1	71.06279	80.39493	87.99192	98.8826	623.6342	248.0406	111.7706	76.57872	47.23315	151.3541	192.3933	126.9954	0.660082
ATP5MF	1	88.90009	88.69368	36.83789	40.16403	373.2118	433.9703	220.1219	161.4387	96.786	100.1196	125.5615	202.4873	1.612654
ATP5MG	1	26.98765	37.11638	43.8603	50.90296	242.5127	62.35824	34.54259	29.46957	44.46575	92.41409	80.27599	52.65005	0.655863
ATP5MPL	1	67.45246	88.42211	45.98493	50.38173	342.256	287.6611	166.1539	98.4435	41.57108	36.32084	118.8994	126.0301	1.059972
ATP5PB	1	70.50982	81.85487	60.27889	60.69638	139.3578	98.88373	143.6288	112.75	77.03176	78.21283	82.53955	102.1014	1.237
ATP5PD	1	138.3123	105.7802	80.83041	90.77553	411.2801	549.9102	260.9654	245.4022	169.9081	183.2654	165.3957	281.8903	1.704339
ATP5PF	1	88.98486	96.71747	40.7802	39.19457	188.0756	169.3702	89.15292	79.12433	77.41636	58.99414	90.75055	94.81158	1.044749
ATP5PO	1	193.773	171.5092	94.11672	100.9651	465.229	294.5939	258.4879	181.7556	162.2983	172.6808	205.1186	213.9633	1.04312
ATP5S	1	6.012544	5.599872	5.039265	6.617694	8.880517	11.08844	7.920396	8.658306	19.32631	20.45073	6.429978	13.48884	2.097804
ATP6AP1	1	37.91273	39.07394	51.26154	60.51971	79.11907	41.21403	37.03444	28.67156	19.42692	62.58248	53.5774	37.78588	0.705258
ATP6AP1L	1	0.929189	0.890348	0.891668	0.792641	1.375371	0	0.029916	0	0.436688	0.187227	0.975843	0.130766	0.134003
ATP6AP2	1	61.67766	75.76842	43.99528	47.92612	79.89835	41.60697	133.9259	87.74597	125.3755	85.28512	61.85317	94.78791	1.532467
ATP6V0A1	1	98.46479	104.7339	77.37421	80.67945	14.84721	42.58873	105.8325	95.40357	66.45144	96.29017	75.21991	81.31327	1.081007
ATP6V0A2	1	7.190878	6.840496	8.656003	7.174879	1.607009	5.025008	9.267024	9.139159	8.178332	8.149568	6.293853	7.951818	1.263426
ATP6V0A4	1	0.494632	0.256496	0.022046	0.114876	0.246539	0	0.053626	0.221754	0	0	0.226918	0.055076	0.242714
ATP6V0B	1	44.22532	42.37534	42.48459	49.20466	268.8958	116.2755	158.3279	89.97915	49.43865	91.04263	89.43714	101.0128	1.129428
ATP6V0C	1	135.6873	121.9678	149.1582	199.6727	219.2082	109.073	123.5444	70.74036	100.6705	226.4347	165.1389	126.0926	0.763555
ATP6V0D1	1	117.0231	107.5647	87.66421	120.1282	178.1956	164.7914	175.1089	49.23287	41.88088	100.6477	122.1152	106.3323	0.870755
ATP6V0D2	1	0.675941	0.454141	0.280296	0.594467	1.207374	0	0.199997	0.044226	0.132698	0	0.642444	0.075384	0.11734
ATP6V0E1	1	8.833837	4.785285	8.313138	7.613877	21.43849	9.9602	5.875619	4.17632	8.446675	6.715602	10.19693	7.034883	0.689902
ATP6V0E2	1	63.35128	69.2207	73.13376	81.05202	145.3441	91.27662	52.31592	29.08386	15.65344	38.54293	86.42036	45.37455	0.525045
ATP6V1A	1	82.62241	91.47635	59.88458	58.57516	81.04404	65.05452	123.7313	91.12724	77.01095	81.55138	74.72051	87.69508	1.173641
ATP6V1B1	1	0.00721	0	0.110218	0.198634	0	0	0	0.167694	0	0	0.063212	0.033539	0.530574
ATP6V1B2	1	133.0208	124.0126	113.1664	115.5729	184.8939	184.3691	247.7794	228.3726	206.4745	197.5155	134.1333	212.9022	1.587243
ATP6V1C1	1	82.34616	99.66339	45.10953	50.20073	50.69024	85.24525	103.3228	91.10714	102.2224	66.76788	65.60201	89.7331	1.367841
ATP6V1C2	1	0.743152	0.912864	0.242028	0.234268	1.680558	2.558656	0.540239	0.033695	0.640304	0.010837	0.762574	0.756746	0.992358
ATP6V1D	1	108.5118	94.05631	47.46588	51.62948	110.1573	128.37	131.4105	66.71871	54.00694	59.10218	82.36415	87.92168	1.067475
ATP6V1E1	1	247.2711	234.737	126.2342	157.6703	246.0195	177.7033	184.0851	143.7506	91.74147	196.9367	202.3864	158.8434	0.784852

ATP6V1E2	0.006052	0.247479	0.341586	0.360322	0.312923	0.149239	2.518322	5.112719	2.060916	2.061215	0.708509	0.28231	2.492336	8.828376
ATP6V1F	1	43.60274	40.6963	30.04409	43.27545	193.8785	71.9933	53.19005	46.45129	48.08137	131.4425	70.29942	70.23171	0.999037
ATP6V1FNB	1	0	0.04682	0	0.024832	0	0	0	0	2.036111	1.516207	0.01433	0.710464	49.57776
ATP6V1G1	1	53.73168	46.8314	38.57851	48.94231	83.55741	78.49727	64.47334	43.18636	53.33919	54.17868	54.32826	58.73497	1.081113
ATP6V1G2	1	121.7068	131.5303	141.3231	102.5504	315.8353	212.2067	167.8278	97.93749	99.67451	225.8214	162.5892	160.6936	0.988341
ATP6V1G3	1	0	0	0	0	0	0.279223	0	0	0	0	0	0.055845	#DIV/0!
ATP6V1H	1	51.6546	48.32912	36.2816	47.40299	77.36336	23.74506	37.8947	33.0267	31.84386	43.56014	52.20633	34.01409	0.651532
ATP7A	1	1.515833	1.949534	3.64368	2.939988	1.016578	2.24343	1.895712	2.964388	3.793372	1.219786	2.213123	2.423338	1.094986
ATP7B	1	0.789048	0.795604	1.566591	1.442344	0.806432	0.107256	0.375622	0.384015	0.331095	0.608986	1.080004	0.361395	0.334623
ATP8A1	1	22.58047	34.28591	26.5278	28.06846	14.53314	16.9378	32.53776	29.63163	29.27487	12.06076	25.19916	24.08857	0.955928
ATP8A2	1	8.905952	7.917789	5.409587	3.711385	4.471801	3.746709	14.78916	10.44774	5.211335	3.943122	6.083303	7.627612	1.25386
ATP8B1	1	0.466564	0.347444	0.35442	0.376646	1.137656	1.238534	0.273001	0.585428	5.994958	2.394196	0.536546	2.097223	3.90875
ATP8B2	1	7.038316	6.487743	10.08749	9.13113	4.623476	7.438919	9.689355	19.31853	13.71246	10.86509	7.47363	12.20487	1.633058
ATP8B3	1	0.066717	0.050229	0	0.05328	0.271573	2.909606	0.070885	0.172427	0.919743	2.365998	0.08836	1.287732	14.57372
ATP8B4	1	0.118592	0.111061	0.012634	0.024254	0.094191	2.876087	2.606064	0.500855	0.179437	0.134632	0.072146	1.259415	17.45639
ATP9A	1	89.04235	74.9164	105.0246	104.2508	63.04672	17.27498	29.44512	43.76438	36.79084	38.56156	87.25618	33.16738	0.380115
ATP9B	1	7.727218	7.607509	8.411901	8.67965	6.241069	6.2262	10.06166	11.77461	5.471618	5.47013	7.73347	7.800842	1.008712
ATPAF1	1	15.90202	15.59042	12.53345	13.40481	22.93815	22.98119	13.33618	24.39083	28.79097	23.57563	16.07377	22.61496	1.406948
ATPAF2	1	4.049355	4.179588	3.645225	4.050941	8.271003	6.00049	6.168226	3.788524	6.827838	8.878665	4.839222	6.332749	1.308629
ATR	1	1.655003	2.055905	1.643837	1.58873	0.830552	5.861122	4.244245	7.517432	5.016257	3.840327	1.554805	5.295876	3.406135
ATRAID	1	12.23452	12.62193	14.38418	11.73887	20.47271	58.49144	31.38388	30.84569	32.19149	34.23925	14.29044	37.43035	2.619258
ATRIP	1	1.932615	1.940878	1.914414	1.95954	1.2362	3.431539	3.226701	3.103871	1.320229	3.843708	1.79673	2.98521	1.661469
ATRN	1	19.23625	19.06103	19.18853	21.39378	10.2092	27.96254	30.46714	27.75021	27.34723	17.69704	17.81776	26.24483	1.472959
ATRNL1	1	17.42812	29.67666	10.76644	13.90349	12.45046	5.608511	18.15816	0.99292	2.634235	1.25714	16.84504	5.730193	0.340171
ATRX	1	32.25759	30.74897	12.84736	10.14745	4.773378	10.09319	16.30651	21.42393	27.62235	15.8469	18.15495	18.25858	1.005708
ATXN1	1	4.194149	5.129437	8.258057	6.302412	0.843543	5.730142	3.756203	1.103139	2.542386	2.822765	4.94552	3.190927	0.645216
ATXN10	1	131.9565	116.6274	70.72007	87.46191	82.14585	104.0877	157.7991	126.6343	90.91889	112.6014	97.78234	118.4083	1.210937
ATXN1L	1	5.601194	5.233783	7.182091	7.712479	4.669137	6.862264	5.430219	6.951093	5.726669	6.808371	6.079737	6.355723	1.045395
ATXN2	1	21.20829	22.64658	18.77231	20.85122	16.89275	18.321	29.38483	28.64579	24.82436	18.06696	20.07423	23.84859	1.18802
ATXN2L	1	15.7428	17.93658	38.03476	39.91116	13.78634	27.60491	30.28676	53.50453	29.90335	39.48423	25.08233	36.15675	1.441523
ATXN3	1	6.294804	8.398781	4.982	4.121648	4.776225	5.057005	5.35339	7.652647	13.00604	1.657958	5.714692	6.545408	1.145365
ATXN7	1	2.448473	2.596544	3.410795	2.02463	1.426817	2.569997	2.603284	4.157335	5.822013	2.232685	2.381452	3.477063	1.46006
ATXN7L1	1	2.269733	2.016576	1.886698	1.700699	1.338707	1.09086	1.402627	2.938983	2.358713	1.840326	1.842482	1.926302	1.045493
ATXN7L2	1	0.981372	1.02683	1.444829	1.29201	0.978463	0.590704	1.585677	6.223251	2.57719	3.408671	1.144701	2.877098	2.513407
ATXN7L3	1	20.61536	20.27323	21.48044	29.56494	45.46861	79.57604	41.54734	15.94651	13.65712	26.97234	27.48052	35.53987	1.293275
ATXN7L3B	1	85.80807	75.33096	52.7389	59.93715	100.1982	130.6892	119.9175	94.2837	48.22042	77.74529	74.80267	94.17123	1.258929
AUH	1	8.681927	9.828436	11.20107	11.33742	12.5978	10.68091	14.24659	13.2004	20.60983	16.26046	10.72933	14.99964	1.398003
AUNIP	1	0.162021	0.030495	0.058974	0.064694	0.219835	0.141318	0.459047	0.069789	0.279196	0.201999	0.107204	0.23027	2.14796
AUP1	1	16.57881	14.64932	17.85498	23.16454	71.5023	44.97071	31.73311	30.41809	26.62788	39.86662	28.74999	34.72328	1.207767
AURKA	1	0.39585	0.417233	0.326597	0.642786	0.334198	1.335039	1.66363	1.409538	0.773085	0.716527	0.423333	1.179564	2.786375
AURKAIP1	1	21.51691	22.18044	14.08482	19.85211	64.01136	48.78529	18.81219	17.07168	17.78138	20.27194	28.32913	24.5445	0.866405
AURKB	1	0.408813	0.166203	0.428559	0.587658	0.421566	0.085578	0.086871	0.105655	0	0.027183	0.40256	0.061058	0.151673
AURKC	1	1.141269	0.915756	1.11506	1.103289	3.993537	1.624137	0.723287	0.931435	0.672801	0.216344	1.653782	0.833601	0.504057
AUTS2	1	4.910751	4.978093	7.231981	7.76921	4.555035	4.479888	5.586532	8.077876	8.205041	8.11773	5.889014	6.893413	1.170555
AVEN	1	9.564984	9.763664	10.24147	9.743341	16.00949	8.70816	5.365631	3.368196	6.135822	6.789499	11.06459	6.073462	0.54891
AVIL	1	0.044248	0.066626	0.289909	0.09423	0.293516	0.180106	0.104472	0.686141	6.481163	0.972563	0.157706	1.684889	10.68374

AVL9	1	12.51683	14.83797	12.72127	11.35161	10.16858	6.571096	15.05166	14.5447	13.76817	8.948105	12.31925	11.77675	0.955963
AVP	1	0.061577	0.347694	0.268962	11.24875	0.334198	0	0.130847	0	0.318329	0.307083	2.452236	0.151252	0.061679
AVPI1	1	3.855919	4.052306	8.925916	7.955722	26.73689	6.49302	2.300421	3.206534	9.495236	10.49432	10.30535	6.397906	0.620833
AVPR1A	1	1.344337	1.394465	0.565448	0.763436	1.945647	0.104227	0.719452	0	0	0.033107	1.202666	0.171357	0.142481
AVPR1B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
AVPR2	1	0.007515	0	0.065653	0	0	0	0.03194	0.271922	0.310813	1.11188	0.014634	0.345311	23.59702
AWAT1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
AWAT2	1	0	0	0	0	0	0.061854	0	0	0	0	0	0.012371	#DIV/0!
AXDND1	0.001843	0.010643	0.152239	0	0.038247	0.019254	1.188201	1.877068	2.154601	1.962348	0.689979	0.044077	1.574439	35.72058
AXIN1	1	2.163623	2.646711	4.470035	6.148409	1.774266	1.834814	2.04039	4.065251	3.837241	6.074948	3.440609	3.570529	1.037761
AXIN2	1	2.013339	2.348303	3.627328	3.783886	2.10412	2.351683	3.005068	1.673728	3.712345	6.766916	2.775395	3.501948	1.261784
AXL	1	11.57994	9.705135	13.07779	13.14272	9.699886	14.412	16.07564	9.320725	15.20917	6.048393	11.44109	12.21319	1.067484
AZGP1	1	0	0	0	0	0.123203	0	0	0	0	0	0.024641	0	0
AZI2	1	28.34001	29.75314	21.76989	20.12161	33.93052	30.8182	30.41469	24.67861	23.41373	17.79392	26.78303	25.42383	0.949251
AZIN1	1	49.02579	46.66059	32.94963	31.30715	40.93014	63.65221	79.91408	66.89982	65.86661	61.91466	40.17466	67.64948	1.683884
AZIN2	1	1.561974	1.413957	1.434908	2.22005	3.246294	5.222484	1.382965	1.025228	3.044087	4.873631	1.975437	3.109679	1.574173
AZU1	1	0	0.142504	0	0.07558	0.228287	0	0	0	0	0.034961	0.089274	0.006992	0.078323
B2M	1	28.66801	22.80444	15.83042	12.699	82.59721	5.036168	2.638574	1.765022	15.40607	4.721716	32.51982	5.913511	0.181843
B3GALNT1	1	15.62185	16.12943	7.449763	8.436563	11.50136	10.76039	25.39475	25.75533	28.91533	12.79447	11.82779	20.72406	1.752149
B3GALNT2	1	6.044181	5.920355	3.745401	3.11491	9.06173	4.378018	6.458824	8.738302	4.000382	5.319236	5.577315	5.778953	1.036153
B3GALT1	1	11.36309	12.64864	4.868094	5.708047	7.21527	2.956468	9.068614	3.658014	4.269627	1.66895	8.360629	4.324335	0.517226
B3GALT2	1	18.57195	20.22623	0.608406	0.444944	15.22969	6.651651	15.71178	4.019844	0.210022	0.096477	11.01624	5.337956	0.484553
B3GALT4	1	1.73758	1.659441	3.91193	3.558999	7.800489	1.964607	1.595425	1.302851	0.776279	1.604688	3.733688	1.44877	0.388027
B3GALT5	1	0.445761	0.338493	0.688181	0.567731	0.013904	0	0	0.019863	0.013244	0	0.410814	0.006621	0.016118
B3GALT6	1	2.849513	2.807286	2.001876	3.335836	6.759302	0.417131	0.095272	0.128748	0.566575	1.399521	3.550763	0.52145	0.146856
B3GAT1	1	19.06923	19.84369	30.91515	40.50467	33.23952	21.57283	9.784848	2.866813	6.373313	14.5609	28.71445	11.03174	0.384188
B3GAT2	1	3.370512	3.239048	2.583451	5.862162	4.661177	24.42322	11.98286	3.224707	3.267061	4.660117	3.94327	9.511593	2.412108
B3GAT3	1	26.21427	21.36222	27.34447	36.54999	69.69826	10.33041	7.646119	5.830404	14.86969	45.24569	36.23384	16.78446	0.463226
B3GNT2	1	17.66355	16.9206	5.947156	8.966819	11.56491	10.51244	17.51508	7.353304	6.880916	3.877137	12.21261	9.227774	0.755594
B3GNT3	1	0.50175	0.444586	1.129519	1.04489	1.361584	3.191383	0.951372	0.319198	0.039906	0.038496	0.896466	0.908071	1.012946
B3GNT4	1	0	0.048608	0.313344	0.085934	0.155738	1.576789	1.036582	1.631533	3.411884	2.241932	0.120725	1.979744	16.39883
B3GNT5	1	0.505415	0.328318	0.019536	0	0.351986	0.655399	0.465709	0.450818	0.023122	0	0.241051	0.31901	1.323411
B3GNT6	8.39E-09	0.853183	1.44934	1.934378	2.741274	3.747581	0.018919	0.046093	0	0	0.072116	2.145151	0.027426	0.012785
B3GNT7	1	0.575829	0.708646	0.564302	1.025829	0.781305	2.627155	1.788349	0.667781	0.610631	0.589058	0.731182	1.256595	1.718579
B3GNT8	1	0.135558	0	0.215311	0.250956	0	0	0.026187	0.063698	0.191123	1.331565	0.120365	0.322515	2.679473
B3GNT9	1	1.184121	0.778028	0.956064	1.607578	2.336957	0.713582	0.533739	0.20402	0.370999	0.214735	1.37255	0.407415	0.296831
B3GNTL1	1	0.325809	0.524186	0.526355	0.454441	0.133226	1.074425	1.052717	1.153472	0.715257	1.105464	0.392803	1.020267	2.597399
B4GALNT1	1	8.906766	8.707085	7.558592	10.13718	19.60048	10.98739	19.56594	13.59289	6.519612	12.45945	10.98202	12.62506	1.149611
B4GALNT2	1	0	0	0	0	0	0	0	0	0.116625	0.009375	0	0.0252	#DIV/0!
B4GALNT3	1	0.132074	0.051138	0.675783	0.067804	0.133122	0.197481	0.50517	0.048762	0.039016	0.012546	0.211984	0.160595	0.757581
B4GALNT4	1	3.710529	3.460043	5.777533	5.741399	3.753646	6.804589	4.820462	8.392063	8.116189	9.508015	4.48863	7.528263	1.677185
B4GALT1	1	1.217279	0.74871	1.329245	1.262881	0.117975	2.218272	1.362614	4.269557	2.472208	1.499576	0.935218	2.364445	2.528229
B4GALT2	1	12.35704	8.871594	10.91453	14.52223	23.31516	61.17529	19.42081	7.755483	5.515157	12.27181	13.99611	21.22771	1.516686
B4GALT3	1	7.681277	7.522708	7.482895	8.495026	16.58475	10.38326	15.39107	9.59642	10.42166	17.1929	9.553331	12.59706	1.318604
B4GALT4	1	11.13759	8.64085	6.559099	7.30311	8.993847	7.708745	8.416417	19.88054	6.134249	9.862555	8.5269	10.4005	1.219728
B4GALT5	1	13.09771	15.89113	10.26599	10.00695	17.21938	4.620983	13.02381	12.10377	9.286125	6.281433	13.29623	9.063224	0.681639

B4GALT6	1	26.00911	29.0633	16.88754	16.95407	14.56147	10.9878	26.48888	24.99313	33.09047	21.09465	20.6951	23.33099	1.127368
B4GALT7	1	5.410521	4.609398	5.567611	5.977675	6.697223	10.50282	8.55798	6.062884	4.977195	6.920265	5.652486	7.404228	1.309907
B4GAT1	1	103.8395	115.2517	86.62729	111.2614	207.0968	113.3243	163.445	78.14637	74.17703	129.1575	124.8153	111.65	0.894522
B9D1	1	5.532956	3.916251	2.127423	4.154103	10.30934	11.62309	6.748001	2.517537	2.719336	5.019828	5.208014	5.725559	1.099375
B9D2	1	4.016924	2.924743	3.693812	4.410861	10.75718	4.794464	3.81863	0.956192	2.003741	5.974576	5.160704	3.50952	0.680047
BAALC	1	63.15725	52.8461	34.89595	48.22684	106.9479	116.9701	48.50789	4.387966	23.02514	36.8455	61.21481	45.94731	0.750592
BAAT	1	0.373625	0.323485	0.46239	0.402807	1.013895	0.130353	0.079393	0	0	0.041406	0.51524	0.050231	0.09749
BABAM1	1	19.17539	17.61821	16.8662	21.35186	61.11923	70.57109	23.98062	24.13002	18.16968	28.33854	27.22618	33.03799	1.213464
BABAM2	1	11.62301	10.82409	4.793967	7.602604	12.02444	15.01946	13.19658	9.443351	8.493204	7.275244	9.373622	10.68557	1.139961
BACE1	1	20.46023	18.99267	7.662724	9.398724	28.18655	19.27494	20.33945	23.57505	4.058938	10.96714	16.94018	15.6431	0.923432
BACE2	1	2.396657	0.898194	1.852816	1.727645	0.776995	3.995837	4.101261	0.767401	2.35736	1.092968	1.530461	2.462966	1.609296
BACH1	1	3.504748	4.423994	4.000446	3.757189	1.369753	3.638395	5.086368	6.030344	5.579906	3.245496	3.411226	4.716102	1.382524
BACH2	1	0.576101	0.897277	0.739181	0.664228	0.123765	0.314055	0.709007	0.787876	1.141656	0.678351	0.600111	0.726189	1.210092
BAD	1	8.453041	8.896044	10.05664	13.19906	18.92226	6.971284	4.403206	1.955126	7.05648	16.89493	11.90541	7.456206	0.626287
BAG1	1	25.1198	18.61895	18.40279	19.03635	52.90133	18.26864	15.13638	9.707623	13.90053	32.31794	26.81584	17.86622	0.666256
BAG2	1	13.15176	12.284	6.652573	6.508866	15.13595	6.13954	4.942084	7.287367	5.266819	1.608048	10.74663	5.048772	0.469801
BAG3	1	7.754686	4.746449	13.19812	13.3715	4.459449	9.511597	11.2162	5.930262	10.25713	9.756278	8.70604	9.334292	1.072163
BAG4	1	12.47602	15.59114	10.48085	11.48898	4.888376	3.719347	6.38475	7.183423	10.40384	6.187871	10.98507	6.775846	0.616823
BAG5	1	26.08545	28.05869	12.25595	14.93907	28.6502	6.192763	14.23474	10.68834	7.237192	12.21598	21.99787	10.1138	0.459763
BAG6	1	23.71749	18.84676	26.7587	32.79279	29.67261	36.98832	25.53659	32.07023	28.30865	43.78621	26.35767	33.338	1.264831
BAHCC1	1	1.735564	1.943194	4.695392	4.36728	1.986768	3.938462	1.899273	4.134889	4.332418	9.591212	2.94564	4.779251	1.622483
BAHD1	1	6.340678	5.831752	9.116842	9.747091	13.0431	10.42268	10.61986	11.87395	7.566041	16.04894	8.815893	11.30629	1.28249
BAIAP2	1	22.04691	23.46881	13.03468	17.59981	27.21248	13.17999	21.93601	7.140349	8.179453	18.63634	20.67254	13.81443	0.66825
BAIAP2L1	1	1.805754	0.481897	0.522795	0.592204	0.395407	0.163402	1.946213	0.416925	0.430437	0.121109	0.759611	0.615617	0.810437
BAIAP2L2	1	0.703068	0.751745	1.274115	2.087582	3.328667	6.889058	1.557557	0.096651	0.463992	2.747766	1.629035	2.351005	1.443188
BAK1	1	1.040443	1.181617	2.054045	2.027944	7.194139	4.983541	3.572397	3.296642	3.251539	7.533862	2.699638	4.527596	1.677113
BAMBI	1	4.188542	4.015403	4.270956	3.756682	2.991138	4.577524	5.878219	1.029207	6.837867	1.430379	3.844544	3.950639	1.027596
BANF1	1	70.38643	61.79083	46.34627	58.12093	228.9211	132.3425	67.20884	53.67017	33.76518	59.77553	93.11311	69.35244	0.744819
BANF2	1	0	0.035378	0	0	0	0	0	0	0.242928	1.067576	0.007076	0.262101	37.04249
BANK1	1	1.719695	2.504237	0.630076	1.165533	0.736845	1.480218	1.069834	0.964914	3.65551	2.360314	1.351277	1.906158	1.410634
BANP	1	2.727949	3.288043	5.556733	4.563913	4.146256	0.82363	1.867224	4.236917	1.627213	2.398191	4.056579	2.190635	0.54002
BAP1_1	1	29.40947	23.76705	29.62925	38.33574	40.24358	117.9438	45.61976	38.25523	36.85118	75.27973	32.27702	62.78994	1.945345
BAP1_2	1	0.580852	1.093266	9.619898	12.75631	0	0.759947	0.719997	0.250196	1.000932	4.103672	4.810066	1.366949	0.284185
BARD1	1	0.530772	0.420773	0.353129	0.26106	0.228928	0.055186	0.097101	0.045422	0.072686	0.023373	0.358932	0.058754	0.16369
BARHL1	1	0	0	2.375968	0.045727	0	0	0	6.560538	3.946762	11.58062	0.484339	4.417585	9.120855
BARHL2	1	0.032862	0	8.899513	0.334608	0	0	0	29.98067	20.47137	25.0744	1.853397	15.10529	8.150057
BARX1	1	0.051809	0	0.141437	0.046547	0	0	0	0	0	0	0.047959	0	0
BARX2	1	0.21802	0.152417	0.090695	0.149237	0.112692	0.597651	0.22061	0.080494	0.161012	0.017258	0.144612	0.215405	1.489538
BASP1	1	150.2721	173.5568	81.01301	126.6596	241.4221	313.4165	267.0017	139.2102	60.03988	192.5077	154.5847	194.4352	1.25779
BATF	1	0.135812	0.131463	0	0.046482	0	0	0	0	0	14.54572	0.062752	2.909145	46.35976
BATF2	1	0.173897	0.205309	0.224418	0.132561	0.1716	0.330931	0.167965	0.204285	0.367767	0.144537	0.181557	0.243097	1.338956
BATF3	1	0.424792	0.409326	0.801679	0.741159	0.877089	0.471195	0.206042	0.149164	0.226763	0.057566	0.650809	0.222146	0.341339
BAX	1	6.473229	6.011723	6.464084	8.570476	26.98494	16.26965	11.99063	11.00638	6.935026	12.84908	10.90089	11.81015	1.083412
BAZ1A	1	2.29837	2.171726	2.316716	2.886963	1.22047	1.882945	1.094104	0.833685	1.571405	0.417643	2.178849	1.159956	0.532371
BAZ1B	1	15.1925	15.0507	17.48631	16.69146	6.371666	11.41911	14.31393	26.02011	22.73191	26.28849	14.15853	20.15471	1.423503
BAZ2A	1	7.150237	7.21303	5.602936	4.565669	6.467798	12.28046	11.82907	20.99617	5.298722	4.506168	6.199934	10.98212	1.771328

BAZ2B	1	4.679602	5.152419	5.572644	4.997626	1.679412	5.936014	4.849579	11.90748	13.05976	6.896329	4.416341	8.529833	1.931426
BBC3	1	0.239029	0.161962	0.477285	0.343598	0.148262	0.250184	0.20317	1.006063	0.847334	2.611135	0.274027	0.983577	3.589337
BBIP1	1	6.929236	6.952906	9.476844	8.690567	12.92624	4.280219	4.055211	4.912527	11.5882	7.02452	8.995158	6.372136	0.708396
BBOF1	1	0.044242	0.087436	0.096624	0.079496	0.045022	0.202593	0.211529	0.62888	1.658198	2.289105	0.070564	0.998061	14.14405
BBOX1	0.613464	2.99446	3.519041	4.782217	4.898559	4.647045	0.244859	0.119308	0.773901	2.467169	0.217778	4.168265	0.764603	0.183434
BBS1	1	3.708085	3.472961	3.703665	4.92196	5.105672	2.538847	5.297816	6.934017	8.985002	8.134614	4.182468	6.378059	1.524951
BBS10	1	0.617314	0.602818	0.459971	0.400188	0.482848	0.190036	0.74076	0.750783	1.989864	0.482909	0.512628	0.83087	1.620806
BBS12	1	4.017301	3.690481	2.750195	3.11874	4.968629	1.091623	4.465278	2.855183	3.314891	0.886132	3.709069	2.522621	0.680123
BBS2	1	15.75779	14.94905	12.00006	12.64544	14.83483	21.26496	59.68461	35.00518	23.9658	29.15422	14.03743	33.81495	2.408913
BBS4	1	26.57217	23.99659	17.68566	20.85305	39.80908	7.031383	8.859919	8.435668	20.49769	15.79212	25.78331	12.12336	0.470202
BBS5	1	7.918106	7.429392	3.634936	3.090899	4.944179	4.432427	10.19161	5.47231	4.989436	3.257891	5.403503	5.668735	1.049085
BBS7	1	6.452123	8.942425	4.568154	4.335111	4.219565	5.646985	8.477895	11.1549	15.10422	14.25785	5.703476	10.92837	1.916089
BBS9	1	5.091554	4.668036	2.8888	2.953452	3.087996	6.006115	11.44965	8.759986	3.01679	3.047637	3.737968	6.456035	1.727151
BBX	1	7.932403	8.158929	12.08251	13.41123	4.278415	7.486415	7.623682	10.38526	13.18208	4.951565	9.172696	8.725802	0.95128
BCAM	1	20.34728	9.922244	22.47063	22.5356	21.12399	17.6433	6.606348	3.883871	14.18128	13.52166	19.27995	11.16729	0.579218
BCAN	1	44.01951	31.07158	54.50273	77.70642	69.04954	45.32687	53.24938	34.07527	33.89463	49.70596	55.26996	43.25042	0.78253
BCAP29	1	22.40598	28.41406	15.20794	15.44403	24.14869	15.16635	44.86978	21.17257	33.40459	15.08233	21.12414	25.93912	1.227937
BCAP31	1	40.84479	37.8388	32.76592	34.94631	69.56937	61.77648	72.89187	53.56038	57.28081	60.2933	43.19304	61.16057	1.415982
BCAR1	1	3.22448	3.053889	16.38171	10.22489	1.706595	2.273904	2.660562	3.427958	4.876685	13.82808	6.918313	5.413437	0.782479
BCAR3	1	3.832562	3.255477	2.705434	2.836555	4.12768	6.517673	4.481317	2.31747	4.034701	1.032388	3.351542	3.67671	1.09702
BCAR4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BCAS1	1	180.0112	237.3355	325.4962	434.5235	747.4981	211.4467	70.63614	33.47085	29.43926	48.35306	384.9729	78.66921	0.20435
BCAS2	1	7.48349	6.821451	5.042669	4.494561	21.31473	27.72737	20.98368	19.39393	29.20171	34.85272	9.03138	26.43188	2.926672
BCAS3	1	10.18489	9.945691	9.683505	11.63896	8.623499	7.92277	16.50318	12.65843	8.504795	12.41947	10.01531	11.60173	1.1584
BCAS4	4.94E-05	46.66197	35.35598	23.84122	34.4528	61.02605	6.761484	4.774687	0.774287	4.452798	5.696188	40.2676	4.491889	0.111551
BCAT1	1	8.722671	9.813833	8.066604	7.178551	4.374429	9.893543	17.32144	1.907061	3.173643	1.206361	7.631218	6.70041	0.878026
BCAT2	1	2.079762	0.943034	2.993669	4.13335	4.211465	6.431499	5.658158	11.68661	2.972985	3.090579	2.872256	5.967966	2.077798
BCCIP	1	27.90728	29.46679	12.77521	15.96074	39.53748	41.45465	27.01803	32.79035	41.02015	42.6547	25.1295	36.98758	1.471879
BCDIN3D	1	1.265033	1.648396	2.178348	1.500805	2.904749	3.564795	4.161435	4.966983	1.823588	2.628634	1.899466	3.429087	1.80529
BCHE	1	1.174746	0.705845	1.167677	1.172684	0.306526	2.167505	1.344149	2.860907	5.605859	6.396738	0.905496	3.675032	4.058585
BCKDHA	1	13.46512	11.63414	16.64655	24.29993	32.96341	27.93406	18.7873	17.258	15.78428	45.24174	19.80183	25.00108	1.262564
BCKDHB	1	8.025366	7.901526	6.350795	5.187051	9.820868	8.639111	17.78205	16.99983	15.68938	11.31438	7.457121	14.08495	1.888792
BCKDK	1	10.19559	9.531951	15.74678	15.1067	15.78544	27.50696	25.81744	16.41318	9.587439	26.54309	13.27329	21.17362	1.595205
BCL10	1	6.20518	4.613118	2.591423	3.518511	5.305019	4.122841	2.645406	3.996665	4.273786	2.586854	4.44665	3.52511	0.792756
BCL11A	1	6.034613	8.589343	1.690663	3.378757	9.851919	8.3833	12.15005	0.607469	0.554727	0.930105	5.909059	4.525131	0.765796
BCL11B	1	2.143343	2.24966	0.590938	2.845685	2.54392	3.010477	2.317994	0	0	0.017709	2.074709	1.069236	0.515367
BCL2	1	0.320325	0.28069	0.505089	0.383715	0.082958	0.166941	0.319154	0.099618	0.137424	0.205483	0.314555	0.185724	0.590434
BCL2A1	1	0.274945	0.095538	0	0	0	0	0.089884	0	0	0	0.074097	0.017977	0.242613
BCL2L1	1	13.69745	13.90918	28.1472	36.8879	28.06994	43.04171	34.77074	16.47132	12.34222	32.72518	24.14234	27.87023	1.154413
BCL2L10	1	0.061627	0.052197	0	0.036911	0	0	0	0	0	0	0.030147	0	0
BCL2L11	1	1.024357	0.807715	1.641463	1.568327	0.995124	0.983341	0.959554	2.545568	2.052418	2.095781	1.207397	1.727333	1.430625
BCL2L12	1	0.751803	0.448536	1.51799	1.427334	1.270279	1.039283	0.602846	0.696544	0.586649	0.448022	1.083188	0.674669	0.622855
BCL2L13	0.159087	8.675386	8.703222	12.30635	12.486	14.29611	2.318832	2.422037	2.258689	2.385396	6.583345	11.29341	3.19366	0.28279
BCL2L14	1	0	0.132946	0	0	0	0.98574	0.550346	0.466518	0.60859	0.026093	0.026589	0.527457	19.83724
BCL2L15	1	0.206889	0	0.100408	0.275367	0.499047	0.481207	0.146543	0.297051	1.901402	0.840688	0.216342	0.733378	3.3899
BCL2L2	1	19.64864	21.60031	19.45384	19.91654	20.84095	22.53939	16.09695	18.04728	19.52168	20.86892	20.29205	19.41484	0.956771

BCL3	1	0.92861	0.813025	2.187558	3.037163	1.755466	1.201279	0.48777	0.107862	1.510294	0.780502	1.744364	0.817542	0.468676
BCL6	1	2.781984	1.915358	7.364758	5.525075	3.054849	2.71572	2.716225	10.43775	9.376488	7.477057	4.128405	6.544648	1.585273
BCL6B	0.00946	0.912775	0.299652	0.591086	0.800985	0.619243	14.05283	6.066892	6.939895	2.962916	2.478905	0.644748	6.500288	10.0819
BCL7A	1	5.176875	7.047641	6.745112	6.923663	6.824619	6.901349	7.510826	13.94948	9.250321	16.14383	6.543582	10.75116	1.643008
BCL7B	1	10.66929	9.490569	11.96986	14.45486	27.04424	15.01068	15.7615	13.38575	9.633479	20.36291	14.72576	14.83086	1.007137
BCL7C	1	1.5914	1.587117	2.701777	2.242323	1.842789	2.147748	1.512015	2.823314	2.777935	4.019691	1.993081	2.656141	1.332681
BCL9	1	3.874506	4.354807	6.803719	6.027348	4.447195	6.452877	6.40849	12.16498	7.254033	7.358959	5.101515	7.927867	1.554022
BCL9L	1	2.417063	2.178917	7.982155	7.804338	2.353901	3.987406	2.764845	5.089504	4.217631	13.50753	4.547275	5.913384	1.300424
BCLAF1	1	37.99497	40.0425	26.27033	23.8358	15.93655	25.3813	40.21296	46.40837	51.23933	50.63112	28.81603	42.77462	1.484404
BCLAF3	1	3.734312	3.39251	2.970011	2.650462	1.269679	4.759859	4.552998	5.560129	10.19505	3.83073	2.803395	5.779754	2.061698
BCL-XLP1	1	0.191642	0.865688	0.209269	0.114783	0	0	0	0	0	0	0.276276	0	0
BCL-XLP2	1	0	0.028896	0	0.061301	0	0	0.054371	0	0	0	0.018039	0.010874	0.602807
BCNT2	8.78E-08	16.20667	22.2002	7.968671	5.882501	8.731935	0.374213	0.225866	0.329648	0.069935	0.003213	12.198	0.200575	0.016443
BCO1	1	0.009636	0	0.12627	0.092345	0	0.453863	0.532385	1.419534	0.348708	0.560648	0.04565	0.663028	14.5241
BCO2	0.004185	0.632302	0.102009	0.213714	0.198375	0.245123	1.772702	6.382149	8.248562	7.821708	7.745585	0.278305	6.394141	22.97533
BCOR	1	2.709718	2.724271	3.437655	2.834452	1.600052	2.267324	3.290293	4.11441	4.307175	3.788515	2.661229	3.553544	1.335302
BCORL1	1	1.67352	1.247125	2.098381	2.208665	0.851509	1.61668	1.504125	3.224978	2.02455	2.397813	1.61584	2.153629	1.332823
BCR	1	23.98678	17.81885	25.56878	48.64994	17.82259	19.75653	12.71673	9.26657	9.312476	11.61978	26.76939	12.53442	0.468237
BCS1L	1	2.565602	3.001503	2.636788	2.832275	8.304587	7.020464	5.701204	5.958921	3.077418	4.36245	3.868151	5.224091	1.35054
BDA20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BDH1	1	2.009627	2.125062	1.994976	1.783605	2.850676	2.724869	1.844018	4.155014	1.60558	2.247361	2.152789	2.515368	1.168423
BDH2	1	10.86658	4.406225	7.764417	8.276756	11.18976	9.901186	4.653528	6.698618	3.15275	3.283294	8.500747	5.537875	0.651457
BDKRB1	1	0	0.037505	0	0.139242	0	0	0.105858	0	0	0	0.035349	0.021172	0.598922
BDKRB2	1	0.014581	0	0.54137	0.209604	0	0	0.185909	0.188424	0	0	0.153111	0.074867	0.48897
BDNF	1	4.499586	1.960761	2.848382	2.314196	2.167788	1.919658	8.608718	9.964639	12.13629	8.645146	2.758143	8.254891	2.992917
BDP1	1	7.237887	7.464343	7.905465	7.376428	1.476854	3.322806	6.260565	7.197585	7.511239	4.665841	6.292195	5.791607	0.920443
BEAN1	1	1.39493	0.784926	0.51653	0.387389	1.309821	0.833579	0.205132	0.187117	0.174668	0.176521	0.878719	0.315403	0.358935
BECN1	1	46.49952	37.58465	22.24045	24.30216	40.54804	125.502	75.24577	47.34011	26.39749	35.67494	34.23496	62.03206	1.81195
BECN2	1	0.067363	0.091288	0.176542	0.225943	0.219362	0	0	0	0	0	0.1561	0	0
BEGAIN	1	11.1977	9.087369	7.26404	13.06814	9.570824	5.330858	1.784397	0.150974	0.094372	0.540161	10.03761	1.580152	0.157423
BEND2	1	0	0.011614	0	0	0	0	0.027316	0	0.026582	0	0.002323	0.01078	4.640909
BEND3	1	0.530304	0.523607	0.632876	0.631777	0.212322	1.182896	1.293129	1.348073	1.318308	1.97504	0.506177	1.423489	2.812235
BEND4	1	0.666842	0.296289	0.716241	0.432141	0	0.343259	0.627199	0.536801	0.565136	0.036345	0.422302	0.421748	0.998687
BEND5	1	3.104516	2.333681	1.595327	1.761575	6.051132	5.331816	5.126415	1.93755	2.385024	4.218067	2.969246	3.799775	1.27971
BEND6	1	40.8199	38.35198	29.60237	24.92677	47.40425	8.154775	18.67885	12.75595	13.72138	19.89212	36.22105	14.64062	0.404202
BEND7	1	1.651363	1.676465	3.215315	3.330241	1.331725	2.157321	0.844678	0.894157	1.839313	0.701575	2.241022	1.287409	0.574474
BERV-K1	0.421238	0.88556	1.613971	0	0.021006	1.308629	0	0	0	0	0	0.765833	0	0
BEST1	1	0.283981	0.497805	0.462838	0.710822	1.230709	0.044363	0.05404	0.087634	5.193052	0	0.637231	1.075818	1.68827
BEST2	1	0.08549	0.096545	0.167054	0.215597	0.378514	0.094189	0.047806	0.093029	0	0.067317	0.18864	0.060468	0.320549
BEST3	1	0	0.036035	0.079644	0.131053	0	0	0	0	0.023566	0.030311	0.049347	0.010775	0.218359
BEST4	1	0.043983	0	0.315619	0	0.068204	0	0	0	0.032483	0.2089	0.085561	0.048276	0.564234
BET1	1	11.92517	13.33931	7.170369	8.076799	14.78091	9.677238	12.8573	9.948201	13.33123	5.938718	11.05851	10.35054	0.935979
BET1L	1	4.201046	4.169665	0.52119	0.598711	10.54493	2.191476	2.525971	2.490328	0.744879	1.175151	4.007109	1.825561	0.455581
BEX2_1	1	75.99653	62.7433	17.11066	26.5197	81.21619	144.7939	141.5584	102.8615	42.35408	56.26314	52.71728	97.5662	1.850744
BEX2_2	1	119.6033	119.0503	110.882	139.8516	452.5754	309.9244	212.7627	172.0733	99.61063	128.5465	188.3925	184.5835	0.979782
BEX3	1	95.70626	97.02042	71.13599	71.28359	312.5611	390.4864	185.8957	122.5692	98.76227	175.8386	129.5415	194.7104	1.503074

BEX4	1	51.56562	47.4932	23.72395	31.74734	117.7348	140.181	62.62054	62.5189	66.53114	111.9717	54.45298	88.76465	1.630116
BEX5	1	95.31591	69.64994	26.23128	32.81473	126.402	166.1363	118.8366	74.10761	59.65956	101.3078	70.08278	104.0096	1.484096
BFAR	1	9.353346	7.121343	7.428124	7.095839	7.015256	8.690785	10.33181	23.15553	7.28694	9.059613	7.602782	11.70493	1.539559
BFSP1	1	3.723539	1.75907	1.328345	2.914368	3.42183	0.815172	1.213645	0.076679	0.383453	0.665831	2.629431	0.630956	0.239959
BFSP2	1	6.291247	3.159119	2.611076	4.101831	4.567333	3.280266	0.739958	0.239991	0.720077	9.744218	4.146121	2.944902	0.710279
BGLAP	1	0.042781	0.483129	0	0.307483	1.509218	2.910534	1.454521	6.081085	3.538601	6.827172	0.468522	4.162383	8.884067
BGN	1	21.96436	3.808233	14.81906	16.89524	22.3543	26.2355	7.427256	5.979794	6.489657	6.00124	15.96824	10.42669	0.652964
BHLHA15	0.949632	0.140199	0.118746	0.025516	0.20993	0.428012	0	0	0	0	0	0.184481	0	0
BHLHA9	1	0	0	0	0	0	0	0	0.143817	0	0	0	0.028763	#DIV/0!
BHLHE22	1	11.03139	6.487829	0	0.031388	12.14133	22.69469	18.17942	41.30904	0.203189	0	5.938388	16.47727	2.774704
BHLHE23	1	0	0.046007	0	0.039041	0	0	0	0	0	0	0.01701	0	0
BHLHE40	1	22.42	35.51471	2.923437	3.442999	60.90341	31.35706	51.39703	5.870701	4.313796	3.188476	25.04091	19.22541	0.76776
BHLHE41	1	10.60625	13.21188	17.81727	20.04942	9.208423	10.15179	7.47775	16.25469	14.29378	11.84492	14.17865	12.00459	0.846667
BHMG1	1	0	0.026611	0.034309	0.037637	0.021315	0	0	0	0.020303	0.006529	0.023975	0.005366	0.223836
BHMT	1.33E-20	0	0.044094	0.149229	0.011693	0	26.46175	68.88559	5.852829	43.95307	28.03966	0.041003	34.63858	844.7751
BHMT2	1	0.240687	0.008237	0.031858	0.087369	0.079169	10.38211	2.774217	2.224271	2.677055	2.970455	0.089464	4.205621	47.00916
BICC1	1	3.214535	0.978083	0.683854	0.454898	0.876839	0.645016	0.983908	0.550983	0.551063	0.077524	1.241642	0.561699	0.452384
BICD1	1	5.249269	6.787261	5.735319	3.827596	3.045024	2.260968	6.059739	14.08852	16.64036	5.595938	4.928894	8.929104	1.811584
BICD2	1	8.495353	7.41492	9.169037	8.369223	6.188567	10.64403	11.63405	14.41971	9.41955	13.7652	7.92742	11.97651	1.51077
BICDL1	1	7.894385	7.720358	10.26725	11.48101	8.015674	5.386591	5.259407	5.345008	3.885594	4.480477	9.075734	4.871416	0.536752
BICDL2	1	2.055438	2.269863	1.469848	2.734563	3.159098	0	0	0	0.094034	0.468679	2.337762	0.112543	0.048141
BICRA	1	0.727774	0.891237	3.99705	4.671652	1.841611	1.976658	0.985313	1.595187	2.079601	4.410425	2.425865	2.209436	0.910783
BICRAL	1	7.126203	9.051969	12.55418	9.615754	5.5887	5.388917	6.40897	18.54579	24.24234	14.8806	8.787361	13.89333	1.581058
BID	1	2.190851	2.80687	2.392366	2.552009	6.908789	1.067472	0.818717	1.249573	1.405975	2.674931	3.370177	1.443334	0.428266
BIK	1	0.262364	0.148145	0	0.052381	2.076577	0.457679	0.139378	2.486236	0.452109	1.599166	0.507893	1.026914	2.021908
BIN1	1	36.22069	46.08257	59.51068	83.08011	72.51447	51.8862	42.14837	40.07762	40.59812	65.15624	59.4817	47.97331	0.806522
BIN2	1	1.304531	1.571978	1.862225	1.457929	1.147062	10.52661	3.128251	2.184874	7.610498	0.666319	1.468745	4.82331	3.283967
BIN3	1	4.280122	3.4585	3.733675	4.74407	14.55193	4.505603	4.442981	5.848732	6.485407	3.905067	6.15366	5.037558	0.818628
BIRC2	1	6.379036	5.578136	4.788223	4.900707	5.909723	5.784951	6.430298	6.055401	6.568882	2.973051	5.511165	5.562516	1.009318
BIRC3	1	5.640287	5.89749	3.071804	2.784071	3.249616	2.558675	3.854577	2.618733	1.556816	0.265026	4.128654	2.170765	0.52578
BIRC5	1	0.973572	1.176167	2.225138	0.962823	2.211868	0.710933	0.144334	0.321832	3.628452	0.018819	1.509914	0.964874	0.639026
BIRC6	1	3.878298	5.265074	10.8163	7.241602	1.993381	4.348801	6.902209	9.468537	8.562084	8.354994	5.838931	7.527325	1.289162
BIRC7	1	0	0	0.08563	0.046968	0	0	0	0	0.101347	0	0.02652	0.020269	0.76432
BIVM	1	7.438023	9.451934	5.881767	5.744821	8.275445	6.12792	7.594393	9.670782	5.079544	5.898727	7.358398	6.874273	0.934208
BLA-DQB	1	12.2987	9.951395	8.237955	11.50505	5.806155	15.09548	3.569868	3.276835	10.07773	1.449034	9.559852	6.69379	0.700198
BLCAP	1	16.22539	17.01671	15.14541	16.2166	35.30738	48.2132	32.59271	34.98714	15.66536	37.99975	19.9823	33.89163	1.696083
BLK	1	0.012828	0.057949	0.056034	0.092203	0.052218	1.544119	0.08178	0	0	0.010663	0.054247	0.327312	6.033792
BLM	1	3.427298	3.445317	3.125895	3.263159	3.69131	2.044538	3.645191	4.910721	1.615725	1.216214	3.390596	2.686478	0.792332
BLMH	1	10.85205	11.4566	10.53735	8.227119	11.66441	39.23235	32.12712	35.07336	18.40248	24.47969	10.5475	29.863	2.831286
BLNK	1	1.376559	1.326264	1.40857	1.164658	0.705309	5.692658	2.086448	1.194172	1.741754	0.352046	1.196272	2.213415	1.850261
BLOC1S1	1	34.63356	35.31092	30.57876	34.10911	149.6987	94.58755	31.39749	19.39785	43.67326	107.3121	56.8662	59.27364	1.042335
BLOC1S2	1	11.59775	13.24529	11.15295	14.63234	53.85857	58.05169	45.47334	33.64794	20.11434	22.35781	20.89738	35.92902	1.719308
BLOC1S3_1	1	0.344393	0.725993	3.259274	2.915324	0.124609	0	0	0.118675	1.305616	5.877621	1.473918	1.460382	0.990816
BLOC1S3_2	1	191.7171	284.6263	3.52583	4.039545	483.2807	76.82201	34.68973	16.62507	5.671392	2.300319	193.4379	27.2217	0.140726
BLOC1S4	1	3.113341	3.615555	3.826391	4.257916	6.191067	4.815379	5.812167	4.951539	5.408389	8.045983	4.200854	5.806691	1.382265
BLOC1S5	1	6.325066	5.946959	7.957199	8.100497	5.879578	14.64382	10.96295	6.905319	9.945106	5.136052	6.84186	9.51865	1.391237

BLOC1S6	1	20.99643	24.67302	16.72008	15.8767	8.665357	16.17477	34.86542	31.31952	12.51332	10.2101	17.38632	21.01663	1.208803
BLVRA	1	2.73275	1.8709	1.639992	1.891793	3.970491	13.28853	13.39054	2.84106	7.40384	7.39965	2.421185	8.864725	3.661316
BLVRB	1	10.34561	10.0023	10.07808	13.49256	38.17336	43.75502	8.066036	10.96436	6.284581	22.93048	16.41838	18.40009	1.120701
BLZF1	1	16.98164	14.81687	8.889161	9.468808	10.14914	5.713101	8.892405	9.94448	20.51892	9.510533	12.06112	10.91589	0.905047
BMF	1	1.058708	1.081938	2.157489	1.723707	1.133008	2.399611	1.211987	1.185031	1.175568	1.04728	1.43097	1.403895	0.98108
BMI1	1	10.26621	14.15165	11.05528	10.74893	6.980332	16.82101	18.28811	36.92499	28.34963	15.93779	10.64048	23.26431	2.186396
BMP1	1	8.627645	9.497127	18.92522	7.474573	14.41269	3.967165	5.003655	34.76279	26.79537	30.92868	11.78745	20.29153	1.721452
BMP10	1	0.02946	0.03327	0	0	0	0	0	0	0.152299	0	0.012546	0.03046	2.427851
BMP15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BMP2	1	2.060073	1.833212	0.906183	1.639353	1.718592	0.800006	1.62418	0.338638	1.505277	1.911928	1.631483	1.236006	0.757597
BMP2K	1	3.337743	3.725876	1.888724	1.826876	1.98958	3.126768	5.031052	4.318338	0.93185	0.572351	2.55376	2.796072	1.094884
BMP3	1	5.089776	3.237843	1.206374	1.276119	0.07138	0.137656	0	0	0.611914	0.131177	2.176298	0.176149	0.08094
BMP4	1	3.675749	1.568173	1.042914	0.933319	2.182515	1.808551	1.722378	1.185441	1.006959	0.762485	1.880534	1.297163	0.689784
BMP5	1	5.267281	0.807976	1.104555	0.709281	0.954027	1.581622	0.747054	52.42754	4.527695	1.917293	1.768624	12.24024	6.920771
BMP6	1	7.911862	0.670856	2.808582	2.994975	2.302908	1.127374	0.443889	0.371164	2.058572	3.049303	3.337837	1.41006	0.422447
BMP7	1	6.480436	4.419005	6.670849	7.772763	4.054808	1.123274	1.508626	0.213354	1.493698	4.18555	5.879572	1.704901	0.28997
BMP8A	1	0.030839	0	0	0	0	0.32278	0	0	0.159426	0	0.006168	0.096441	15.63629
BMP8B	1	0.047188	0.199837	0.231878	0.247303	0.14406	0.27782	0.263215	0.060978	0.152466	0.058832	0.174053	0.162662	0.934554
BMPER	1	6.192979	8.653519	1.519137	1.962148	3.790418	5.753929	18.55956	2.885031	1.681972	0.42895	4.42364	5.861889	1.325128
BMPR1A	1	9.240529	7.682636	7.438534	8.034309	4.092507	3.16952	7.664405	5.393124	6.122396	2.825956	7.297703	5.03508	0.689954
BMPR1B	1	3.93878	2.810311	3.781294	4.091364	1.782684	1.005153	1.733092	2.266119	4.74875	0.633934	3.280887	2.07741	0.633185
BMPR2	1	15.21485	22.22421	16.61798	15.14522	8.464561	11.67377	24.09639	13.78741	19.88524	12.57348	15.53336	16.40326	1.056002
BMS1	1	14.59928	13.46496	10.04923	11.29468	7.820569	12.42047	23.00331	17.92145	14.14727	14.45934	11.44574	16.39037	1.432006
BMT2	1	5.552567	5.321114	3.775944	3.726824	2.345891	3.579478	6.338516	11.34275	11.98283	7.548408	4.144468	8.158395	1.968502
BMX	1	0.085709	0.036297	0.152087	0.089836	0	0.280338	0.056914	0.027689	0.692316	0.080143	0.072786	0.22748	3.12534
BNC1	1	0.052025	0.162697	0	0.019175	0.130318	0.020943	0	0.010343	0.041377	0.033262	0.072843	0.021185	0.290831
BNC2	1	0.775871	0.020779	0.13395	0.074696	0.011096	0.056171	0.036927	0.039628	0.132114	0.077317	0.203278	0.068432	0.33664
BNIP1	1	3.388172	3.382033	3.436535	3.405027	1.687359	8.633274	7.388452	6.788777	3.345681	5.969787	3.059825	6.425194	2.099857
BNIP2	1	4.545691	2.960754	3.85348	2.400211	1.027959	10.43381	8.218932	8.012396	12.2136	5.501629	2.957619	8.876073	3.001087
BNIP3	1	41.11736	38.27465	66.25393	67.32869	35.56426	35.3068	43.25027	22.14846	17.79204	40.3891	49.70778	31.77733	0.639283
BNIP3L	1	50.74822	45.1915	36.65398	40.02852	53.28837	41.14057	44.1075	35.29033	50.68852	57.25772	45.18212	45.69693	1.011394
BNIPL	1	0.085954	0.218403	0.351974	0.270279	0.349875	0.56228	0.616434	3.304368	0.610981	0.250046	0.255297	1.068822	4.186583
BOC	1	1.575489	0.482553	2.094956	1.298803	0.986015	1.67335	1.346546	3.267928	5.605124	2.145445	1.287563	2.807679	2.180614
BOD1	1	20.66533	16.34918	9.760586	11.9885	59.56874	18.65778	16.61273	10.16832	12.83567	15.83229	23.66647	14.82136	0.62626
BOD1L1	1	17.96541	16.21213	14.68209	12.61741	4.450148	3.939339	5.316553	7.267516	8.070016	8.142428	13.18544	6.547171	0.496546
BOK	1	7.604934	4.09251	7.019056	9.442613	5.132404	0.484511	0.449672	0.341818	1.093976	4.968831	6.658304	1.467762	0.220441
BoLA	1	3.055075	1.548128	1.91397	1.741855	2.590772	5.76498	5.222635	4.643767	10.68095	15.29263	2.16996	8.320994	3.834629
BOLA_1	0.000332	0.452551	0.353817	0.456164	0.479557	0.802972	15.66754	11.7617	13.36035	4.679053	3.906128	0.509012	9.874956	19.40023
BOLA_2	1	1.668111	2.631547	3.275584	3.99644	1.628025	6.662194	3.14821	3.384621	5.257327	5.527671	2.639941	4.796005	1.816709
BOLA_3	1	23.97586	10.28115	11.03975	14.18486	106.2148	36.6492	26.89422	23.52865	29.48914	39.81355	33.13928	31.27495	0.943743
BOLA_4	1	0.046603	0	0	0	0.126464	0	0	0	0	0	0.034613	0	0
BOLA1	1	3.20696	3.946936	2.851877	5.198809	15.00814	4.120395	1.877083	1.240749	4.368073	12.92856	6.042544	4.906973	0.812071
BOLA2B	1	1.66794	1.662612	1.223005	1.814082	5.522993	4.553511	2.379919	1.719609	1.431919	2.992884	2.378126	2.615569	1.099844
BOLA3	1	14.26156	13.23293	9.278996	10.92458	48.46828	56.08279	21.44934	21.12177	36.65371	47.41495	19.23327	36.54451	1.900068
BOLA-DMA	1	2.752814	2.193571	2.78127	2.511707	4.747437	17.70503	4.974886	3.490755	3.125512	1.154716	2.99736	6.09018	2.031848
BOLA-DMB	1	4.011795	2.338776	3.411598	3.529854	7.000882	10.40462	2.866768	1.865674	2.385963	0.452465	4.058581	3.595098	0.885802

BOLA-DOA	1	0.410566	0.785951	0.732636	0.773708	1.277185	0.026203	0	0	0.310606	0.058262	0.796009	0.079014	0.099263
BOLA-DOB	1	0.51854	1.189481	0.353897	0.795856	2.110722	0	0	0	0	0.026937	0.993699	0.005387	0.005422
BOLA-DQA2	1	3.620584	0	1.512137	1.036751	15.61835	3.095043	3.586241	3.094212	11.63295	0.023979	4.357564	4.286484	0.983688
BOLA-DQA5	1	0.951319	0.473629	3.998906	2.536483	1.387939	0.481797	0.673835	0.370116	2.16814	0	1.869655	0.738778	0.395141
BOLA-DQB	1	1.518054	0.955787	4.430274	1.593171	4.338234	3.937085	0.827857	0.972151	2.430731	0.401975	2.567104	1.71396	0.667663
BOLA-DRA	1	23.13887	20.50629	27.61425	23.45635	38.21379	6.205935	3.622312	8.8878	30.95857	9.930305	26.58591	11.92098	0.448395
BOLA-DRB2	1	0.511044	0.416813	0.372034	0.017005	0.847493	0.445744	0.180991	0.256815	2.421755	4.554405	0.432878	1.571942	3.631376
BOLA-DRB3	1	18.26467	15.19118	16.11489	18.66001	33.70209	3.893321	1.967998	2.628985	4.316871	10.65067	20.38657	4.691569	0.23013
BOLA-DYA	1	0.046296	0.226558	0.067406	0	0.251266	0	0	0	0	0	0.118305	0	0
BOLA-DYB	0.402329	0.271581	0.047184	0.09125	0.025025	0.481873	0	0	0	0	0	0.183383	0	0
BOLA-NC1	1	5.99038	5.443576	3.999823	2.818536	6.8337	0.732157	0.468451	0.427311	2.366988	3.389811	5.017203	1.476944	0.294376
BOLL	1	0	0	0	0	0	0	0	0	0	0.069883	0	0.013977	#DIV/0!
BOP1	1	4.510628	4.978296	6.051122	9.020018	8.53056	10.29158	3.930257	4.40225	5.93351	15.76195	6.618125	8.06391	1.218458
BORA	1	0.938526	1.095017	1.51746	1.310594	2.152862	1.81811	1.674788	1.031871	0.911395	1.146403	1.402892	1.316513	0.938428
BORCS5	1	11.14629	10.41643	12.96031	14.25729	26.32696	9.014443	5.006264	3.216727	5.630092	8.386935	15.02146	6.250892	0.416131
BORCS6	1	5.0773	4.35539	5.68992	7.716237	10.93899	9.501208	6.124668	2.703926	4.984431	12.34481	6.755568	7.131808	1.055693
BORCS7	1	13.37543	14.82747	9.122277	9.620763	29.17056	38.01269	16.12	13.21602	21.83144	20.65172	15.2233	21.96637	1.442944
BORCS8	1	1.356582	1.84593	2.137046	2.344322	3.258872	1.978532	1.937532	1.465627	3.2191	5.064715	2.18855	2.733101	1.248818
BOSTAUV1R403	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BOSTAUV1R404	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BOSTAUV1R414	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BOSTAUV1R416	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BOSTAUV1R417	1	0.053891	0	0.058847	0.064555	0.109681	0	0	0	0	0	0.057395	0	0
BOSTAUV1R418	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BOSTAUV1R419	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BOSTAUV1R424	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BOSTAUV1R425	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BOSTAUV1R426	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BOSTAUV1R-PS405	1	0	0	0.092903	0.127392	0	0	0	0	0	0	0.044059	0	0
BOTA-T2R10B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BPGM	1	0.654671	0.292649	0.446805	0.718874	0.555176	0.071377	0.202875	0.246744	0.070509	0	0.533635	0.118301	0.221689
BPHL	1	11.73629	14.78132	14.55432	17.51868	26.83985	31.92652	18.47224	23.55901	9.541513	11.47625	17.08609	18.99511	1.111729
BPI	1	0.04651	0.031515	0	0	0	2.726124	0	0	0	0	0.015605	0.545225	34.93911
BPIFA1	1	0	0	0	0.043473	0	0	0	0	0	0	0.008695	0	0
BPIFA2A	1	0	0	0	0.046387	0	0	0	0	0	0	0.009277	0	0
BPIFA2B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BPIFA2C	1	0	0	0	0.02545	0	0	0	0	0	0	0.00509	0	0
BPIFA2D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BPIFA3	1	0	0.30866	0	0	0	0	0	0	0	0.129813	0.061732	0.025963	0.42057
BPIFA4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BPIFB1	1	0.019362	0	0	0.023193	0	0	0	0	0	0.032186	0.008511	0.006437	0.75633
BPIFB2	1	0	0	0	0.025221	0	0	0	0	1.306148	0.210001	0.005044	0.30323	60.11356
BPIFB3	1	0	0	0	0	0	0	0	0	0.068422	0.110007	0	0.035686	#DIV/0!
BPIFB4	1	0	0	0	0	0	0	0	0	0.819874	0.041627	0	0.1723	#DIV/0!
BPIFB5	1	0.012961	0	0	0	0.035173	0	0	0	0	0	0.009627	0	0
BPIFB6	1	0.019445	0	0	0	0	0	0	0	0.033508	0	0.003889	0.006702	1.723213

BPIFC	1	0.14453	0.063474	0.105216	0.096184	0.130736	1.218601	0.136497	0.74706	2.864145	2.175662	0.108028	1.428393	13.22243
BPNT1	1	10.75696	11.80166	8.991536	8.00634	12.24209	14.30289	15.07734	14.7833	32.69554	13.74616	10.35972	18.12105	1.749183
BPTF	1	8.516704	10.01599	12.59092	8.639239	2.571967	5.184803	6.007348	12.03311	10.9018	7.092342	8.466965	8.24388	0.973652
BRAF	1	4.792917	6.514529	6.392649	5.135598	3.37203	2.686738	5.45464	8.670586	12.15445	6.449519	5.241545	7.083187	1.351355
BRAP	1	10.83703	9.766916	8.114233	7.790445	2.986107	7.246931	9.983674	8.643555	10.96181	10.70814	7.898945	9.508823	1.203809
BRAT1	1	0.700882	0.765474	2.074501	1.988485	0.625646	1.689186	2.312396	2.776671	2.574456	4.721722	1.230998	2.814886	2.286671
BRB	9.09E-06	56.0761	36.1902	62.77885	46.81248	54.41474	8.369375	1.045636	1.377719	1.589908	0.511246	51.25448	2.578777	0.050313
BRCA1	1	0.68112	0.670216	0.601578	0.704922	0.251428	1.113914	2.000742	4.556111	0.815559	0.12488	0.581853	1.722241	2.959926
BRCA2	1	0.041536	0.028866	0.261675	0.266005	0.00867	0.133769	0.071289	0.297273	1.552653	0.958698	0.121351	0.602736	4.966901
BRCC3	1	13.2454	11.75642	8.503122	9.251021	10.06074	5.471551	3.66645	3.547526	4.410184	4.435641	10.56334	4.30627	0.407662
BRD1	1	3.022325	3.244533	6.644112	5.297504	2.205698	2.72584	2.523797	4.964418	7.443423	7.268694	4.082835	4.985234	1.221023
BRD2	1	27.92286	25.08182	34.96518	37.76521	28.4251	72.1778	49.81735	67.15559	45.95077	61.29685	30.83203	59.27967	1.922665
BRD3	1	4.857366	4.726657	5.879911	7.031517	1.06362	5.323343	4.085036	7.271673	8.997442	11.2625	4.711814	7.387999	1.567973
BRD3OS	1	7.75732	6.841037	3.21415	5.15236	14.81545	9.093241	6.516896	2.797445	1.128958	3.361921	7.556063	4.579692	0.606095
BRD4	1	12.8871	13.21157	20.03431	21.31702	6.586687	13.08386	11.87759	14.6507	15.74217	19.6686	14.80734	15.00458	1.013321
BRD7	1	21.84986	17.40768	11.40121	11.80209	16.74225	29.80386	24.24356	27.99773	26.79144	18.46067	15.84062	25.45945	1.607226
BRD8	1	17.60531	16.06327	16.43668	17.61957	14.16368	26.21537	44.58687	80.18342	25.35334	29.46736	16.3777	41.16127	2.513251
BRD9	1	31.40863	29.2473	26.07631	30.63852	24.06236	7.003696	15.01332	13.89288	8.657739	18.90357	28.28662	12.69424	0.448772
BRDT	1	0	0	0.078202	0.021447	0	0	0	0	0.18511	0	0.01993	0.037022	1.857639
BREH1	1	1.454642	0.894474	1.447061	0.884938	5.063446	0.199283	0.194202	0.610171	0.314973	0.822914	1.948912	0.428309	0.219768
BRF1	1	2.647176	2.642866	7.015795	8.783921	2.859545	4.162754	2.233741	2.353203	1.732104	4.22617	4.78986	2.941594	0.614129
BRF2	1	3.075232	2.153635	2.943783	4.198098	4.470626	1.933334	2.949107	2.68366	1.806572	6.307089	3.368275	3.135952	0.931026
BRI3	1	3.279877	2.785641	3.010711	3.632071	9.951337	9.342284	3.8345	3.022373	1.861733	5.368568	4.531927	4.685892	1.033973
BRI3BP	1	9.633118	8.96702	6.60559	6.232368	8.593239	1.285499	3.17582	4.061415	4.941725	3.453593	8.006267	3.383611	0.42262
BRICD5	1	0.099528	0.280993	0.391256	0.345749	0.37812	0.468775	1.036308	1.466175	0.257261	0.049634	0.299129	0.655631	2.191799
BRINP1	1	59.03343	73.08723	28.10944	37.57345	84.72212	29.62582	149.8115	36.71755	32.09131	38.40919	56.50513	57.33107	1.014617
BRINP2	1	14.44545	11.38682	9.262154	12.83263	9.848866	14.96892	25.70729	2.103783	0.953234	3.192284	11.55518	9.385103	0.812199
BRINP3	1	6.72707	7.932837	5.456901	5.564075	4.632065	5.005331	19.56524	1.998767	3.879829	0.311897	6.06259	6.152213	1.014783
BRIP1	1	0.373251	0.426655	0.228644	0.245368	0.098818	0.452604	1.083312	0.588198	0.917723	1.082034	0.274547	0.824774	3.004129
BRIX1	1	21.10293	20.66511	9.37707	11.96601	30.39678	39.43689	27.43316	24.72198	26.72627	18.76604	18.70158	27.41687	1.466019
BRK1	1	29.38596	29.96933	31.64982	41.10159	156.3961	246.6369	133.7876	70.88037	50.23408	96.61239	57.70057	119.6303	2.073294
BRMS1	1	2.205677	2.070823	3.919248	4.89348	3.453162	4.473778	1.442139	1.113105	2.968711	3.785897	3.308478	2.756726	0.833231
BRMS1L	1	30.62037	28.13186	14.09949	16.67349	21.62872	23.81324	22.72563	16.10447	21.98767	11.6714	22.23079	19.26048	0.866388
BROX	1	11.49291	13.11369	11.47928	12.05299	6.280746	12.18179	15.87139	19.93122	23.65607	13.83317	10.88392	17.09473	1.570641
BRPF1	1	2.545904	2.442528	4.655996	4.467983	2.99239	4.393937	4.916613	9.829619	5.120546	9.506241	3.42096	6.753391	1.974121
BRPF3	1	8.152	7.609272	9.605884	10.18964	6.400958	20.54595	12.21534	16.77056	13.81112	15.61535	8.391551	15.79167	1.881853
BRS3	1	0	0	0.068361	0.037496	0	0	0	0	0	0	0.021171	0	0
BRSK1	1	46.74301	43.58024	63.99977	89.64196	51.23321	209.832	70.6794	49.39414	33.8855	96.1911	59.03964	91.99642	1.558214
BRSK2	1	11.98114	13.04404	18.30555	21.24854	12.16619	14.66113	13.75555	11.85628	13.00631	30.52681	15.34909	16.76122	1.092001
BRWD1	1	10.65297	10.83027	9.477332	8.834048	15.17427	14.30538	10.68766	6.852392	8.792257	8.135126	10.99378	9.754564	0.88728
BRWD3	1	2.688261	3.610061	3.200648	2.107494	0.76388	1.473147	2.512268	5.319869	7.166951	3.825375	2.474069	4.059522	1.640828
BSCL2	1	120.2267	110.7451	97.40747	133.2763	47.23773	70.36263	84.78435	95.74502	97.90969	83.12184	101.7787	86.38471	0.848751
BSDC1	1	13.08493	11.33093	17.42708	19.93489	22.91828	40.2487	32.16937	38.97295	21.98272	26.96578	16.93922	32.06791	1.893115
BSG	1	168.022	154.7924	132.1433	148.1479	383.4651	23.38886	20.13008	21.85038	32.18792	134.6591	197.3142	46.44327	0.235377
BSN	1	23.80864	20.81212	40.06234	40.59732	30.58104	22.74336	21.38534	16.55893	13.331	24.28517	31.17229	19.66076	0.630713
BSND	1	0.009025	0	0.147826	0	0.061227	0.023615	0	0	0	0	0.043615	0.004723	0.108288

BSP1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BSP3	1	0.02967	0	0	0	0	0	0	0	0	0	0.005934	0	0
BSP5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BSPRY	1	0.1397	0.305667	0.362305	0.135968	0.18955	0.776788	0.408175	4.174594	1.85063	1.756221	0.226638	1.793282	7.912542
BST1	1	1.025814	0.601004	0.842232	0.526636	1.339535	3.067669	0.770306	3.687701	2.312625	0.08975	0.867044	1.98561	2.290091
BSX	1	0.061325	0	0.066966	0	0	0	0	0	0.554802	0.101943	0.025658	0.131349	5.119169
BTAF1	1	6.238632	9.922163	8.691568	6.324211	5.177634	7.345981	13.24021	15.61953	16.36762	9.553995	7.270842	12.42547	1.708945
BTBD1	1	27.0803	30.00469	22.01482	23.67604	26.45951	29.08038	43.15529	34.40425	39.94997	21.85498	25.84707	33.68897	1.303396
BTBD10	1	34.31213	34.82935	12.8918	14.50338	41.12848	28.22713	62.07661	16.4853	16.93799	12.90906	27.53303	27.32722	0.992525
BTBD11	1	5.572914	4.682962	6.52395	7.17596	5.58725	2.571889	4.436545	1.776493	2.025829	1.767376	5.908607	2.515627	0.425756
BTBD16	1	0.186338	0.28796	0.171349	0.070488	0.053227	0.307947	0.125039	0	0.2028	0.163029	0.153872	0.159763	1.038283
BTBD17	1	1.064503	1.373886	7.30662	3.127183	0.447063	0.663202	0.807863	1.801347	3.406679	4.213237	2.663851	2.178466	0.817788
BTBD18	1	0	0	0.005962	0	0	0.114287	0.023203	0.02822	0.225792	0.063529	0.001192	0.091006	76.32512
BTBD19	1	0.457234	0.464721	0.511773	0.588796	1.039155	0.927231	0.546524	0.576076	0.679573	0.275527	0.612336	0.600986	0.981465
BTBD2	1	22.44602	22.86675	30.69825	39.79604	34.58729	22.34344	7.854939	9.756303	10.99519	37.89986	30.07887	17.76995	0.590778
BTBD3	1	18.58718	16.54657	21.03158	16.31563	7.591376	20.39143	28.56544	72.51471	60.98847	59.56933	16.01447	48.40588	3.022634
BTBD6	1	11.45028	9.470907	1.606645	1.752109	19.21174	54.35198	18.02316	17.20083	3.445142	9.984674	8.698336	20.60116	2.368402
BTBD7	1	2.771512	2.396479	4.929196	3.626774	1.905065	1.866881	1.725008	3.256362	3.179996	2.048902	3.125805	2.41543	0.772738
BTBD8	1	16.9018	26.91784	13.74109	10.98937	12.42047	8.765812	21.64659	11.10858	11.0137	4.2035	16.19411	11.34764	0.700726
BTBD9	1	16.47389	16.8672	12.73587	16.44407	10.6079	6.898979	12.83917	5.512738	3.738795	4.177389	14.62579	6.633415	0.453542
BTC	1	1.214827	1.475942	1.483744	1.213844	0.765571	0.482092	1.333543	0.818393	1.339383	0.143563	1.230786	0.823395	0.668999
BTD	1	1.222272	1.096136	1.90671	1.015064	2.327366	2.553245	2.630006	3.304892	1.035418	1.861083	1.51351	2.276929	1.504403
BTF3	1	59.86033	56.55829	53.22406	60.49328	44.61472	111.3134	77.72641	109.9812	128.5291	116.0594	54.95014	108.7219	1.978556
BTF3L4	1	30.45326	25.08414	16.85127	19.78364	45.12909	44.50385	47.4087	40.56157	54.8255	32.77564	27.46028	44.01505	1.602862
BTG1	1	18.65341	15.18724	31.50491	18.04381	36.55192	55.42514	23.22724	159.8628	157.0579	73.14118	23.98826	93.74286	3.907864
BTG2	1	7.903017	2.77491	5.321168	4.30768	7.492118	4.623547	4.884052	9.918116	9.063194	8.582369	5.559779	7.414256	1.333552
BTG3	1	5.264933	5.073089	2.602873	2.714134	10.30676	21.31597	20.37166	3.080173	7.37995	3.722898	5.192357	11.17413	2.152034
BTG4	1	0	0.009974	0	0.00529	0.023967	0	0.018767	0	0	0	0.007846	0.003753	0.478385
BTIGGHB	1	0.027498	0	0.030027	0	0	0	0.146078	0	0.639688	0.09142	0.011505	0.175437	15.24891
BTK	1	0.774329	0.690359	1.171906	0.992656	1.142799	3.234746	1.039207	0.82506	0.807623	0.248406	0.95441	1.231008	1.289811
BTLA	1	0.010504	0.011862	0	0	0.028504	0	0	0	0.135753	0.017461	0.010174	0.030643	3.011872
BTN1A1	0.036853	0	0	0	0	0	0	0.022975	1.033915	2.878615	0.467313	0	0.880564	#DIV/0!
BTN3A3	0.081437	0.030526	0	0	0.009142	0	0.559127	0.908115	0.769194	4.931448	3.958012	0.007933	2.225179	280.4809
BTNL2	1	0	0.013198	0	0	0	0	0	0	0	0.019428	0.00264	0.003886	1.471996
BTNL9	1	0.398716	0.543432	0.760681	0.905829	0.98249	0.047968	0.058431	0	0.307998	0.106657	0.718229	0.104211	0.145094
BTRC	1	20.26245	21.53915	15.95029	18.49224	20.56054	10.97836	18.51387	15.34386	10.17994	9.918279	19.36093	12.98686	0.670777
BUB1	1	0.370646	0.408363	0.227048	0.140779	0.196256	0.165585	0.192098	0.105137	0.140203	0.278013	0.268618	0.176207	0.655976
BUB1B	0.021451	0.144124	0.123473	0	0.07144	0.18881	2.23674	3.041446	9.761569	1.284604	0.652656	0.105569	3.395403	32.16277
BUB3	1	14.68451	15.61924	12.31336	15.15605	18.29074	29.47261	32.13792	47.97831	36.55709	26.86749	15.21278	34.60269	2.27458
BUD13	1	4.435277	3.852911	4.098123	3.629571	4.607142	6.121651	4.039174	8.56555	5.165274	5.536435	4.124605	5.885617	1.426953
BUD23	1	16.32608	16.46241	12.00758	15.54885	32.48628	58.33836	40.15852	29.59217	27.11924	59.47748	18.56624	42.93716	2.312647
BUD31	1	20.57731	22.68479	12.66168	15.14506	50.96513	31.2665	20.76395	21.20905	15.68924	23.18883	24.40679	22.42351	0.918741
BVD1.15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BVD1.23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
BVES	1	0.042675	0.008762	0.211819	0.074357	0.021056	0.081212	0.131901	0.130344	0.381061	0.528826	0.071734	0.250669	3.494433
BYSL	1	2.336565	1.773914	2.937422	3.833866	2.424374	2.928558	5.799552	3.425325	3.248188	5.157108	2.661228	4.111746	1.545056

BZW1	1	47.84699	55.15302	26.02067	26.64663	47.07487	52.50003	88.09703	45.80287	47.35144	37.85223	40.54844	54.32072	1.33965
BZW2	1	12.99351	14.08578	5.706672	9.047908	28.16932	59.18557	38.28172	14.13936	14.51079	10.1635	14.00064	27.25619	1.946782
C10H14orf1	1	16.03828	11.78298	18.88071	14.60552	7.038042	8.268547	17.42034	15.25484	8.784366	10.75359	13.6691	12.09634	0.88494
C10H14orf119	1	6.068091	6.155055	6.926067	5.591484	12.51775	5.604055	6.70975	10.6798	6.529468	6.527007	7.45169	7.210017	0.967568
C10H14orf39	1	0	0	0	0	0	0.034045	0	0	0.807125	0	0	0.168234	#DIV/0!
C10H14orf93	1	0.348128	0.29413	0.473075	0.698124	0.580819	0.350879	0.252065	0.239925	0.226629	0.295783	0.478855	0.273056	0.570227
C10H15orf41	1	1.043524	0.976272	0.541825	0.594378	0.964749	1.231426	1.315244	1.454227	1.308994	0.705779	0.82415	1.203134	1.459849
C10H15orf48	1	5.1035	3.556849	4.649409	6.043583	12.58301	14.49879	5.019538	1.055176	9.648731	3.490445	6.38727	6.742535	1.055621
C10H15orf59	1	8.665839	10.78161	11.20582	14.16944	21.39048	27.46693	16.87473	13.71619	10.27599	17.97027	13.24264	17.26082	1.303428
C10H15orf61	1	2.658217	4.078723	4.227876	5.503235	7.919198	4.08267	4.05224	5.301856	1.941807	5.475523	4.87745	4.170819	0.855123
C10H15orf62	1	0	0.012909	0.024965	0.006846	0.01551	0.029911	0	0	0.029547	0.047505	0.012046	0.021392	1.775902
C10H15orf65	1	0.384844	0.377919	0.015661	0.065858	0.85623	0.100075	0.441903	0.154442	0.024714	0.019868	0.340102	0.148201	0.435753
C11H2orf15	5.94E-07	0	0	0	0	0	2.098251	2.062683	3.544919	3.054528	1.824095	0	2.516895	#DIV/0!
C11H2orf16	1	0.006543	0.059115	0.028581	0.00196	0.044391	0.145534	0.396269	0.913181	0	0.005439	0.028118	0.292084	10.38786
C11H2orf40	1	4.464512	3.971473	1.52519	1.613367	17.12374	0.261053	0.68899	0.386758	5.802213	8.748259	5.739657	3.177454	0.553597
C11H2orf42	1	2.55346	2.876672	2.680566	3.080939	3.397676	3.647414	4.508538	6.152944	4.942202	4.13192	2.917862	4.676603	1.60275
C11H2orf49	1	7.278616	7.455691	5.306201	5.151584	7.024398	4.721186	5.021229	6.054017	5.51168	3.484994	6.443298	4.958621	0.769578
C11H2orf50	1	0.059176	0.075181	0.613877	0.57595	0	0	0	0	0	0	0.264837	0	0
C11H2orf68	1	2.220799	2.045841	5.399385	4.212537	3.215685	1.38306	2.282552	6.907263	5.773417	3.684622	3.418849	4.006183	1.171793
C11H2orf70	0.380868	0.080032	0.120508	0.466099	0.063913	0.144787	0	0	0	0	0	0.175068	0	0
C11H2orf71	1	0.006145	0.006939	0.01342	0	0	0.032157	0.110984	0	0.492361	0	0.005301	0.1271	23.9783
C11H2orf73	1	0.017519	0.28688	0.21044	0.167892	0.213939	0	0.037228	0.158473	0	0.014562	0.179334	0.042053	0.234493
C11H2orf74	1	0	0.291287	0	0	0	0	0	0	0.083339	0.428774	0.058257	0.102423	1.758103
C11H2orf78	9.40E-05	0	0.014196	0	0	0	0.197362	0.133562	0.162443	9.065666	157.7931	0.002839	33.47043	11788.39
C11H2orf81	1	0.208046	0.170871	0.14457	0.57773	0.538906	0.791835	0.261233	0.244401	0.048887	0.864605	0.328025	0.442192	1.348045
C11H2orf92	1	1.252059	1.344255	0.673983	0.464737	0.933164	0.184576	0.037473	0.159515	0.182329	0.175888	0.93364	0.147956	0.158472
C11H9orf116	2.23E-07	5.467402	5.940491	4.342033	4.465477	8.108819	0.371594	0	0.06117	0.061179	0.147543	5.664845	0.128297	0.022648
C11H9orf16	1	40.83999	36.29464	33.85718	56.0786	319.0101	18.59908	8.593657	4.038245	8.711207	13.08901	97.21611	10.60624	0.1091
C11H9orf50	0.013813	0.385769	0.366865	0.310397	0.267538	1.0744	0	0	0	0	0.033751	0.480994	0.00675	0.014034
C11H9orf78	1	28.60027	25.71307	16.48264	19.03955	29.32068	17.10913	17.6139	15.84979	12.94538	22.10459	23.83124	17.12456	0.718576
C12H13orf42	1	0.041186	0.046512	0	0	0	0	0	0.372551	0	0	0.01754	0.07451	4.248122
C12H13orf46	1	0	0.437758	0	0	0	0	0.041185	0	0	0.225532	0.087552	0.053343	0.609281
C13H10orf113	1	0	0.003418	0	0	0	0	0	0	0	0.005031	0.000684	0.001006	1.471996
C13H10orf67	1	0	0	0	0	0	0	0	0.565712	0	0	0	0.113142	#DIV/0!
C13H20orf141	1	0	0.174323	0	0	0	0	0	0	0	0.342138	0.034865	0.068428	1.962661
C13H20orf144	1	0	0.244841	0	0	0	0	0	0	0	0	0.048968	0	0
C13H20orf173	1	0	0.137129	0	0	0	0	0	0	0.069749	0.044856	0.027426	0.022921	0.835745
C13H20orf194	1	10.2143	10.58097	12.10216	15.1492	11.83348	22.46392	23.18235	24.94715	15.77481	7.597848	11.97602	18.79321	1.569237
C13H20orf202	1	0.067075	0.075748	0.219732	0.080348	0.091009	0.21939	0.035633	0.606726	0.563471	0.376314	0.106782	0.360307	3.374213
C13H20orf204	0.392822	0.096148	0.217161	0.629949	0.652658	0.478342	0	0	0.08283	0	0	0.414852	0.016566	0.039932
C13H20orf27	0.044694	30.33324	20.64018	32.67433	39.33885	57.91165	13.53522	7.186898	5.587368	7.816597	8.907427	36.17965	8.606701	0.237888
C13H20orf85	1	0	0.059913	0.289666	0.127105	0	0	0	0	0	0	0.095337	0	0
C13H20orf96	1	2.87298	2.145643	1.59691	2.138021	4.780911	22.35702	1.419184	2.529577	5.327766	1.684468	2.706893	6.663602	2.461716
C14H8orf33	1	3.022372	2.762297	2.609596	3.182655	9.842069	8.975264	11.85902	8.683091	5.014397	16.68499	4.283798	10.24335	2.391185
C14H8orf34	1	1.652083	1.365698	0.851508	0.744112	1.721553	18.67513	30.3877	22.2196	14.92909	0.560248	1.266991	17.35435	13.6973
C14H8orf37	1	10.82794	10.71712	9.43194	9.899497	11.04413	13.45007	8.000198	9.521062	11.00229	7.5102	10.38413	9.896764	0.953067

C14H8orf59	1	6.112645	11.65514	3.095601	4.775413	49.52272	50.30229	22.02493	19.23208	7.098587	6.258744	15.03231	20.98333	1.395882
C14H8orf76	1	3.14083	2.670272	1.944288	2.755667	6.706447	6.112623	4.525074	7.141748	5.228226	3.646487	3.443501	5.330831	1.548085
C14H8orf82	1	0.383656	0.959373	3.112163	2.691822	0.247885	0.525852	0.310571	1.935859	2.786153	3.295116	1.47898	1.77071	1.197251
C14H8orf88	1	0.846679	0.769895	0.528318	1.304012	0.358069	2.301792	6.14515	2.046103	3.581202	2.266564	0.761395	3.268162	4.292337
C14H8orf89	3.79E-09	2.358858	2.271913	2.049432	2.756367	7.587212	0.134547	0.204869	0.365448	0.564865	0.512856	3.404756	0.356517	0.104711
C15H11orf1	0.023274	0.22485	0.427662	0.594445	0.340227	0.128457	2.105697	1.282501	2.722049	10.278	11.64606	0.343128	5.60686	16.34043
C15H11orf16	1	0.117433	0.151563	0.128234	0.482305	0.1821	1.141335	0.374309	0.802104	0.26018	0.571694	0.212327	0.629924	2.966766
C15H11orf34	1	0	0	0	0.077524	0	0	0	0	0.200738	0.064549	0.015505	0.053057	3.421992
C15H11orf42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C15H11orf49	1	13.80385	12.95648	17.00337	27.34945	42.1253	17.34762	21.41576	14.78857	11.50664	8.432282	22.64769	14.69817	0.648992
C15H11orf52	1	0	0.033401	0	0	0	0.077391	0.062848	0	0.458695	0.098331	0.00668	0.139453	20.87583
C15H11orf53	1	0	0	0	0	0	0	0	0	0.036624	0.129544	0	0.033234	#DIV/0!
C15H11orf58	1	50.15631	50.34091	31.4965	31.18226	23.85338	42.58626	50.73833	42.5341	54.4826	48.94546	37.40587	47.85735	1.279408
C15H11orf65	3.64E-06	0	0.140459	0	0	0	0	0	0	0	0.4652	0.028092	0.09304	3.311991
C15H11orf71	1	1.138235	1.491082	1.342365	1.172597	2.409261	1.310487	1.209346	0.882511	0.117685	0.605481	1.510708	0.825102	0.546169
C15H11orf74	1	16.62262	16.10761	7.729058	8.687472	17.57042	31.92031	30.99241	22.24231	17.67169	10.09472	13.34344	22.58429	1.692539
C15H11orf87	1	31.61517	48.28759	9.740336	16.30276	25.21852	13.35641	44.95884	4.369832	6.728871	3.224361	26.23288	14.52766	0.553796
C15H11orf88	1	0.499771	0.698067	0.229785	0.535655	0.927937	0.34414	0	0	0.815885	1.617848	0.578243	0.555575	0.960798
C15H11orf91	1	0	0.056035	0.108366	0	0	0.519347	0	0.064119	0	0.082484	0.03288	0.13319	4.050749
C15H11orf94	1	0	0	0.106814	0.117174	0.265443	0	0	0.063201	0.632099	1.422791	0.097886	0.423618	4.327647
C15H11orf96	1	8.124772	9.067769	8.797787	15.97649	17.28383	10.04232	9.716834	2.356561	4.291675	11.94508	11.85013	7.670493	0.647292
C15H11orf97	1	0.337692	0.293352	0.340388	0.404519	0	0	0.110397	0	0	0	0.27519	0.022079	0.080233
C16H1orf100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C16H1orf105	1.46E-07	1.382831	1.032777	1.456957	1.428917	3.021222	0	0	0	0	0	1.664541	0	0
C16H1orf112	0.122558	0.192674	0.195829	0.389233	0.288503	0.300641	2.747686	6.83735	11.35336	1.494081	2.08988	0.273376	4.904472	17.9404
C16H1orf115	1	4.433255	1.684005	2.493863	3.556472	2.697725	13.56888	4.439027	1.197829	2.361282	0.591797	2.973064	4.431763	1.490638
C16H1orf116	1	0.016317	0	0.059393	0.039092	0.01476	0.313105	0.439189	0.182738	0.899766	0.714274	0.025912	0.509814	19.67459
C16H1orf158	1	0.108456	0	0.631634	0.259836	0.098104	0	0	0	0	0	0.219606	0	0
C16H1orf159	1	2.053747	2.527452	2.19747	2.223616	1.505579	0.344485	0.187833	0.354825	0.758367	0.775344	2.101573	0.484171	0.230385
C16H1orf167	1	0	0.019069	0.009219	0.045511	0.022911	0	0.00897	0	0.065469	0.028069	0.019342	0.020502	1.059959
C16H1orf174	1	3.167322	2.888369	3.150135	5.005382	8.877537	2.568056	2.654242	1.575663	3.151785	8.8494	4.617749	3.759829	0.814213
C16H1orf21	1	10.60854	10.26979	7.72509	6.015121	7.593186	7.926588	6.249627	5.74597	9.323819	7.295642	8.442346	7.308329	0.865675
C16H1orf53	1	1.836507	1.056555	1.513532	2.324465	8.556877	9.429701	4.049748	3.044827	0.537401	0.288008	3.057587	3.469937	1.134861
C16H1orf74	1	1.824191	1.904004	3.983963	2.681821	2.475128	1.808067	2.231818	3.89305	3.000585	0.827022	2.573822	2.352108	0.913858
C17H12orf43	1	6.323529	5.391604	7.135342	7.385543	7.72199	3.30931	1.993182	1.988374	3.650423	3.95945	6.791602	2.980148	0.438799
C17H12orf49	1	8.076805	8.924156	12.30501	11.66674	19.07711	32.11767	25.1881	24.4282	12.52094	24.77135	12.00996	23.80525	1.982125
C17H12orf65	1	5.864788	5.197058	4.331187	5.157369	12.32731	4.169193	4.718415	5.782519	2.146854	2.648636	6.575542	3.893123	0.592061
C17H22orf15	1	0	0	0.070779	0	0	0	0	0	0	0	0.014156	0	0
C17H22orf31	1	0.13261	0.074879	0.144807	0.158853	0.089965	0	0	0	0	0.220442	0.120223	0.044088	0.366723
C17H22orf39	1	2.057403	2.707124	5.688749	7.190156	8.579558	0.691463	0.320872	0.609775	1.805198	2.619977	5.244598	1.209457	0.23061
C17H4orf33	1	2.682983	1.871003	1.1071	2.147556	2.717693	11.84097	8.433578	6.582523	4.921631	5.405453	2.105267	7.43683	3.532488
C17H4orf45	1	0	0.255534	0.049418	0	0	1.539427	0.480824	0.526317	0	0.41376	0.06099	0.592066	9.707519
C17H4orf46	1	2.411515	1.971697	1.917062	1.941233	2.6438	0.403848	0.143482	1.196625	1.396266	1.619532	2.177061	0.951951	0.437264
C17H4orf51	1	0.05573	0.157339	0.060856	0.01669	0.113424	0	0	0	0.144051	0.02316	0.080808	0.033442	0.41385
C17H5orf52	1	0.143731	0.432844	0.156952	0.54522	0.585059	0	0	0	0	0.398215	0.372761	0.079643	0.213657
C18H16orf46	1	1.644996	1.885124	1.511281	1.657864	1.498975	0.889471	1.199574	0.376508	0.470703	0.443983	1.639648	0.676048	0.412313

C18H16orf70	1	7.935766	8.910571	6.424816	6.861271	11.89539	9.14214	8.459151	7.552612	10.07161	11.28112	8.405563	9.301327	1.106568
C18H16orf74	1	0.888738	0.49236	1.464882	1.064614	1.774679	0.351023	0.926446	0.086675	0.086688	0.696877	1.137055	0.429542	0.377767
C18H16orf78	1	0	0	0	0.078663	0	0	0	1.315281	2.291468	1.91032	0.015733	1.103414	70.13587
C18H16orf86	1	0	0.064466	0	0.119668	0	0	0	0	0.073777	0.07117	0.036827	0.028989	0.787185
C18H16orf87	1	5.043629	5.645836	3.188578	3.444847	2.101036	7.293345	7.474016	8.232613	4.917415	1.912184	3.884785	5.965915	1.535713
C18H16orf95	1	0.02712	0.061254	0	0	0	0	0.172888	0.140182	0	0	0.017675	0.062614	3.542532
C18H19orf12	1	6.814684	5.482235	5.601764	6.927781	11.32721	4.606297	3.017802	2.665549	11.33372	7.037536	7.230736	5.732181	0.792752
C18H19orf18	1.91E-05	1.314531	0.764301	1.179621	1.153718	1.218501	0.034056	0.027657	0.084092	0.067284	0.075724	1.126135	0.057763	0.051293
C18H19orf33	1	1.461794	0.574196	2.49848	2.436278	3.190711	0	0.135054	0	0	0.475433	2.032292	0.122097	0.060079
C18H19orf47	1	2.107766	2.577594	3.940306	3.070336	2.238176	0.779338	0.681571	1.095401	1.806195	3.913223	2.786835	1.655145	0.593916
C18H19orf48	1	3.71815	4.962369	4.590734	7.13644	14.90544	0.110558	0.224457	0.218394	1.037524	8.586402	7.062626	2.035467	0.288203
C18H19orf54	1	1.863846	1.608359	2.542414	2.863183	2.957423	1.231417	0.526323	0.81617	0.992351	1.266097	2.367045	0.966471	0.408303
C18H19orf73	1	0	0.095323	0	0	0	0	0.179364	0	0.218181	0.070158	0.019065	0.09354	4.906497
C18H19orf81	1	0.05116	0.063553	56.55859	86.97481	0.111065	0.187416	0.010871	0.052888	5.897889	24.69712	28.75184	6.169238	0.214568
C18H19orf84	1	0.292827	0.090189	0.901147	1.163939	0.614038	0.348287	0.197987	0.756796	0.137619	1.371825	0.612428	0.562503	0.91848
C19H17orf100	1.27E-05	5.051972	4.342934	3.690975	3.770106	2.551538	0.237331	0.256976	0.531325	0.547032	0.4875	3.881505	0.412033	0.106153
C19H17orf107	1	0.044035	0.149187	0.384682	0.105498	0.358489	0	0	0	0	0	0.208378	0	0
C19H17orf113	1	0.446075	0.219585	3.097486	0.941963	0.294865	0.374111	0.407105	3.828067	4.124271	5.38556	0.999995	2.823823	2.823838
C19H17orf47	1	0	0.042977	0	0	0	0	0	0	0	0	0.008595	0	0
C19H17orf49	1	13.43408	10.02034	7.282558	7.070643	32.24325	48.4412	23.17132	24.02141	14.86077	43.00727	14.01017	30.70039	2.191293
C19H17orf50	1	0.107407	0.069312	0.100531	0.220564	0.083276	0	0	0.079311	0.317289	1.479383	0.116218	0.375197	3.228387
C19H17orf53	1	0.026346	0.012751	0.01644	0.036068	0.020427	0.196967	0.031991	0.038908	0.038914	0.175183	0.022406	0.096393	4.302024
C19H17orf58	1	3.036449	2.085501	5.939071	3.441577	6.395033	3.985513	2.11141	11.8262	7.671253	5.672428	4.179526	6.253361	1.496189
C19H17orf64	1	0.042587	0.240469	0	0	0	0	0	0	0	0	0.056611	0	0
C19H17orf67	1	0.608856	0.872704	0.767145	0.64519	4.384781	1.102966	0.298567	0.423649	1.694844	5.917024	1.455735	1.88741	1.296534
C19H17orf75	1	23.73577	22.63369	12.6499	13.8578	20.01791	11.25968	17.46557	15.88719	18.43731	10.80899	18.57901	14.77175	0.795077
C19H17orf78	0.134356	0	0	0	0	0	4.116985	0.105802	0.12868	0	0.877341	0	1.045762	#DIV/0!
C19H17orf80	2.80E-05	1.961322	1.723809	2.553716	2.211455	1.899176	0.150723	0.13464	0.186084	0.416889	0.248956	2.069896	0.227458	0.109889
C19H17orf97	1	0.686188	0.382151	0.164231	0.15764	0.739734	0.39354	0.219716	0.097173	0.145781	0.125005	0.425989	0.196243	0.460677
C19H17orf98	1	0	0.182446	0	0.145145	1.096024	0.845475	0.94407	2.192044	0	0.26856	0.284723	0.85003	2.985461
C1D	1	22.18957	22.0862	9.451941	7.540875	17.23404	6.814822	8.745228	9.394474	5.489907	3.032875	15.70053	6.695461	0.426448
C1GALT1	1	2.800226	3.43307	3.631758	3.041397	1.31792	1.045601	2.873929	3.193506	3.511779	1.660643	2.844874	2.457092	0.863691
C1GALT1C1	1	7.032324	5.663563	4.16082	3.691783	5.119322	3.372336	7.878491	6.444394	5.841837	4.905792	5.133562	5.68857	1.108114
C1H21orf140	1	0.01776	0.090253	0.05818	0.085097	0.144582	0	0	0	0.045906	0.014761	0.079174	0.012133	0.153249
C1H21orf2	1	3.726945	2.486116	4.388947	5.438355	5.329525	0.860485	0.892893	0.967929	6.327873	8.032795	4.273978	3.416395	0.799348
C1H21orf58	1	0.056761	0.012019	1.712258	1.738096	0.009627	0	0.045231	0	0	0.029486	0.705752	0.014943	0.021174
C1H21orf62	1	0.254118	0.17936	1.474173	1.093959	1.336084	0	0.573736	0.143665	0.164212	0.092406	0.867539	0.194804	0.224548
C1H21orf91	1	2.58268	4.324306	6.248428	7.614026	3.374174	2.266158	2.951068	2.901735	2.542386	0.81238	4.828723	2.294745	0.475228
C1H3orf30	2.41E-05	0.036995	0.027852	0	0	0	0.968022	1.048153	2.358385	0.382496	1.660425	0.012969	1.283496	98.96406
C1H3orf33	1	3.139105	3.035111	2.535664	1.893035	4.959401	9.620488	6.122185	7.334896	18.89566	14.60035	3.112463	11.31472	3.635293
C1H3orf38	1	2.687123	3.454589	4.324951	3.544827	2.293759	0.657209	1.142684	1.373131	2.080805	1.118731	3.26105	1.274512	0.390829
C1H3orf52	1	0	0.019125	0.036985	0	0	0.088626	0	0	0	0	0.011222	0.017725	1.579507
C1H3orf58	1	7.301848	5.172335	6.491918	4.127168	3.949575	3.915968	7.050372	22.38831	15.89833	17.62623	5.408569	13.37584	2.473084
C1H3orf70	1	7.635552	5.613766	9.667553	7.00151	0.738625	2.549002	6.605742	8.034151	6.220892	15.78865	6.131402	7.839687	1.278613
C1H3orf80	1	0.135929	0.997786	0.890592	0.651315	0.122956	0	0.240702	0	0	0.15064	0.559716	0.078268	0.139836
C1H3orf85	1	0	0	0	0	0	0	0	0	0.301992	0	0	0.060398	#DIV/0!

C1QA	1	3.025108	2.745219	5.741553	6.039597	7.183006	53.90209	9.22141	4.979462	2.69954	3.02323	4.946897	14.76515	2.984729
C1QB	1	12.81054	10.85026	18.47911	14.99044	13.62647	104.3906	18.946	8.941232	13.89925	5.685343	14.15136	30.37249	2.146259
C1QBP	1	35.27909	34.75632	21.17879	24.13814	75.2729	64.42586	66.03456	45.77148	29.8677	57.78203	38.12505	52.77632	1.384295
C1QC	1	2.050688	2.084268	7.427047	4.298885	4.776532	98.0182	21.09808	10.29061	3.975492	2.016948	4.127484	27.07987	6.560866
C1QL1	1	2.519202	2.367952	3.722802	4.047743	1.67837	1.026285	0.25644	0.038986	0	0.100306	2.867214	0.284403	0.099192
C1QL2	0.000396	2.391743	1.247609	2.363	5.975685	2.163468	0.059604	0.048403	0	0	0.189327	2.828301	0.059467	0.021026
C1QL3	1	13.28296	9.387749	4.010416	10.68236	1.820183	13.2353	33.62308	1.05147	1.080045	0.310739	7.836735	9.860127	1.258193
C1QL4	1	0.009592	0.021664	0.12569	0.321721	0	1.35533	3.403834	0	0.049586	0	0.095733	0.96175	10.04613
C1QTNF1	1	1.973199	0.716063	1.467466	1.796853	1.155672	1.981083	1.005503	0.146752	0.464781	0.298907	1.421851	0.779405	0.548163
C1QTNF12	1	0.094455	0	0.103143	0.584596	0.640802	0	0.066904	0	0.081383	0.130847	0.284599	0.055827	0.19616
C1QTNF2	1	0.51854	0	0.141559	0.213522	0.26384	0	0.241034	0.125638	0.586396	1.29298	0.227492	0.44921	1.974614
C1QTNF3	1	0.201308	0.494796	0.038793	0.127666	0.353478	2.695752	0.100652	0	0.061217	0.03937	0.243208	0.579398	2.382314
C1QTNF4	1	12.62604	18.91953	21.32492	22.97984	3.590193	5.117521	4.980914	2.973238	17.76768	48.28835	15.8881	15.82554	0.996062
C1QTNF5	1	1.236082	2.435729	4.765541	4.653613	11.97972	1.584202	0.589648	0.521565	2.282178	2.369288	5.014136	1.469376	0.293047
C1QTNF6	1	0.653364	0.255988	0.960988	1.102114	1.085519	0.523357	0.226672	0.189535	0.448056	0.68713	0.811595	0.41495	0.511278
C1QTNF7	1	2.454683	0.851839	0.404862	0.421158	0.988772	1.170874	0.529758	0.264333	0.231325	0	1.024263	0.439258	0.428853
C1QTNF8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C1QTNF9	1	0.301701	0.289606	0.560067	0.379476	0.818717	0	0	0.233919	0.233953	0.702139	0.469913	0.234002	0.497968
C1R	1	4.064262	0.815446	1.637064	1.573425	2.482008	1.79946	1.958158	20.03019	6.896935	0.7202	2.114441	6.280989	2.97052
C1RL	1	0.108364	0.107079	0.695198	0.389427	0.018379	0.283553	0.129526	0.105023	0.175064	0	0.26369	0.138633	0.525744
C1S	1	8.055656	1.264987	3.266688	3.631739	3.294532	0.91266	5.644191	5.529878	11.68552	1.103853	3.90272	4.97522	1.274808
C2	1	0.446846	0.241015	0.189353	0.343534	0.398165	0.139612	0.113376	0.172365	2.689293	0.942368	0.323783	0.811403	2.50601
C20H5orf22	1	4.000988	4.632309	2.495556	2.608915	2.014223	2.282959	4.634884	4.720035	2.288835	3.052198	3.150398	3.395782	1.07789
C20H5orf34	1	1.934011	1.86174	1.895623	1.444474	1.865349	0.457288	0.321842	0.511878	1.686433	0.29051	1.800239	0.65359	0.363057
C20H5orf47	1	0.07475	0.063312	0.408126	0.223856	0	1.466963	0.07942	0	0.772859	0.71449	0.154009	0.606746	3.939688
C20H5orf49	1	3.786123	2.560583	2.195655	4.432879	1.044843	0.335831	0.090908	0.110565	0.221163	2.666864	2.804017	0.685066	0.244316
C20H5orf51	1	10.81679	12.06434	13.73639	14.8654	10.57566	7.362093	9.418777	11.01682	10.6472	4.394903	12.41172	8.567959	0.690312
C20H5orf58	1	0	0.359481	0.695198	0.228788	0.172763	0	6.087726	3.29072	0	5.820695	0.291246	3.039828	10.43732
C21H14orf132	1	6.502719	4.734663	17.00465	18.039	1.277031	3.69414	2.181782	2.156021	0.221163	0.39114	9.511612	1.728849	0.181762
C21H14orf180	1	0.108597	0.028856	0.153464	0.168349	0.10401	0	0	0	0	0.021238	0.112655	0.004248	0.037705
C21H14orf28	1	2.736326	2.91884	1.47808	1.481662	1.345771	1.679328	2.442361	3.980759	3.619398	2.37618	1.992136	2.819605	1.415368
C21H15orf39	1	0.339673	0.378739	1.098662	0.901342	0.513385	0.427528	0.813152	0.65562	0.600146	2.144237	0.64636	0.928137	1.435944
C21H15orf40	1	5.404259	5.976117	6.533969	5.220415	11.33341	10.45312	4.795626	5.162203	7.599153	4.743384	6.893633	6.550698	0.950253
C22H3orf14	1	8.475039	10.87168	5.931402	7.087657	19.44506	6.091352	8.038366	2.036783	4.324877	1.12868	10.36217	4.324012	0.417288
C22H3orf18	1	2.418551	3.520103	5.205747	5.104035	6.207748	2.513137	2.820121	4.761294	2.121454	5.762146	4.491237	3.59563	0.800588
C22H3orf20	1	0.027425	0.018583	0.107813	0.045994	0.029769	0.05741	0.034966	0.028352	0.028356	0.04559	0.045917	0.038935	0.847944
C22H3orf22	1	0.49801	0.638664	2.562392	2.113248	0.206151	0	0.179364	0.327223	0	0	1.203693	0.101317	0.084172
C22H3orf35	1	0.236535	0.293832	0.206633	0.198341	0.288845	0	0	0.030566	0	0	0.244837	0.006113	0.024968
C22H3orf49	1	0.046277	0.104523	0.348123	0.215582	0.062791	0	0	0.019934	2.39237	1.65396	0.155459	0.813253	5.2313
C22H3orf62	1	9.971463	6.41155	8.387034	9.889885	22.73459	11.98898	7.854693	11.55533	3.661628	2.078886	11.47891	7.427905	0.647092
C22H3orf67	1	0.595846	0.736473	0.99391	0.500194	0.522001	2.921832	3.200251	3.455749	0.315307	1.107483	0.669685	2.200124	3.285313
C22H3orf84	1	0	0	0	0	0	0.416468	0	0	0	0	0	0.083294	#DIV/0!
C23H6orf10	1	0	0.091693	0	0	0	0	0	0	0	0	0.018339	0	0
C23H6orf106	1	19.32216	16.53226	18.1711	21.27111	22.96453	34.96358	17.7327	15.44395	11.88046	13.33229	19.65223	18.67059	0.95005
C23H6orf132	1	0.135545	0.092555	0.54386	0.460674	0.171081	0.544386	0.133966	0.211815	0.30962	0.303922	0.280743	0.300742	1.071234
C23H6orf136	1	13.93667	13.4953	17.12089	21.39917	57.89042	66.13746	34.74533	29.62049	28.51881	34.64947	24.76849	38.73431	1.563855

C23H6orf141	1	0.215717	0.030451	1.001126	0.193805	0.256106	3.598429	0.315142	0.104533	0	0.291358	0.339441	0.861892	2.539152
C23H6orf15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C23H6orf201	1	0	0	0	0	0	0	0	0	0	0.069532	0	0.013906	#DIV/0!
C23H6orf222	1	0.220581	0.229693	0.112615	0.082358	0.209893	0	0	0	0	0.009524	0.171028	0.001905	0.011138
C23H6orf223	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C23H6orf226	1	4.015782	3.183694	5.846874	6.535451	19.1532	0	0	0	0.419397	2.0229	7.747001	0.488459	0.063051
C23H6orf47	1	4.343722	3.317593	3.120565	3.450621	7.165518	4.426781	3.473466	5.11083	4.727467	7.904782	4.279604	5.128665	1.198397
C23H6orf52	2.09E-16	0.790288	0.964918	0.675253	1.021985	1.521399	0	0	0	0.006632	0.002133	0.994769	0.001753	0.001762
C23H6orf62	1	52.73343	52.10815	48.62769	63.27907	82.10724	48.54946	65.01767	80.16609	63.62826	41.83636	59.77111	59.83957	1.001145
C23H6orf89	1.41E-06	27.85463	25.57562	20.1896	24.57572	24.19723	3.34347	4.564307	4.142109	5.779866	4.051287	24.47856	4.376208	0.178777
C24H18orf21	0.245065	7.982925	7.710337	5.367958	3.875408	12.31372	30.01366	27.00738	24.26906	17.70216	28.21681	7.45007	25.44181	3.414976
C24H18orf25	1	5.651926	5.713972	5.982706	4.434783	3.007347	3.57043	8.065579	10.18558	8.217679	5.492157	4.958147	7.106284	1.433254
C24H18orf32	1	15.45977	17.29941	14.61515	14.92871	41.68236	29.80749	34.33324	38.367	35.62555	18.59127	20.79708	31.34491	1.507178
C24H18orf54	1	2.049901	1.900144	1.33272	1.227782	0.321547	0.403068	0.654649	1.270872	2.664625	0.679554	1.366419	1.134554	0.830312
C24H18orf63	1	0	0	0	0	0	0	0.013843	0.08418	0.336768	0.075803	0	0.102119	#DIV/0!
C25H16orf45	1	30.5549	30.01366	13.90152	16.96861	30.14646	40.77974	36.90083	16.82253	7.276751	13.32833	24.31703	23.02164	0.946729
C25H16orf54	1	0.169835	0.047949	0.618187	0.762914	0.288047	0.037033	0.090223	0.036577	0.073165	0.047054	0.377386	0.05681	0.150536
C25H16orf58	1	0.896106	1.208751	1.712427	1.669795	0.74303	0.977003	1.03143	0.997138	2.316271	2.193061	1.246022	1.502981	1.206224
C25H16orf71	1	0.471178	0.432335	1.302373	1.172939	1.238667	0.154114	0.172087	0.665948	0.228358	0.036715	0.923498	0.251445	0.272274
C25H16orf72	1	11.90574	16.32083	16.98178	16.47138	10.9211	28.63439	38.21918	31.57225	22.47462	12.75027	14.52017	26.73014	1.840898
C25H16orf82	1	0	0.783622	0	0.032811	0	0	0	0	0.1888	0	0.163287	0.03776	0.23125
C25H16orf89	1	22.53706	0.062843	1.762199	1.733141	0.075504	0	0	0	0.431513	0	5.234149	0.086303	0.016488
C25H16orf90	1	0	0.040284	0	0	0	0	0	0	1.751868	0.68192	0.008057	0.486758	60.41623
C25H16orf91	1	23.27433	13.7947	15.14903	17.92484	55.34541	6.278464	7.369848	7.38501	4.736115	12.69109	25.09766	7.692106	0.306487
C25H16orf92	1	0	0	0	0.020434	0	0	0	0	0	0	0.004087	0	0
C25H16orf96	1	0.458494	0.502089	0.326192	0.436885	0.348753	0.38173	0.140237	0.628383	0.75417	0.11548	0.414483	0.404	0.974709
C25H7orf26	1	2.733926	2.746684	6.480001	5.969395	6.525721	3.852027	2.545279	5.754154	1.74895	3.404722	4.891145	3.461026	0.707611
C25H7orf43	1	6.081231	4.954294	8.001793	9.627643	10.59671	11.6776	13.28817	9.949691	9.684113	19.51971	7.852335	12.82386	1.633127
C25H7orf50	1	4.265399	3.127306	4.05581	4.449191	3.330007	2.335249	1.422313	0.814056	0.780251	7.592307	3.845543	2.588835	0.673204
C25H7orf61	0.00864	0.137421	0.258651	0.275112	0.603591	1.553815	12.22588	6.886637	5.297758	7.636985	4.340354	0.565718	7.277523	12.86422
C26H10orf120	8.59E-09	0	0.019194	0	0	0.092245	3.113147	6.21199	5.13933	5.008281	3.051375	0.022288	4.504825	202.1214
C26H10orf143	0.005005	1.760083	2.733048	3.057689	3.617809	4.884837	0	0.127503	0.155074	0.103398	0.365731	3.210693	0.150341	0.046825
C26H10orf62	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C26H10orf82	0.18508	0.236779	0.230933	0.094021	0.206281	0.64254	0	0	0	0	0	0.282111	0	0
C26H10orf88	1	2.498902	4.01216	4.070514	2.938292	6.543918	1.589539	2.180735	2.366843	1.73673	1.606523	4.012757	1.896074	0.472512
C26H10orf90	1	1.151709	1.638138	2.674484	3.174012	2.146213	0.896461	1.719323	0.518066	0.960918	1.841822	2.156911	1.187318	0.550471
C26H6orf52	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C27H4orf47	1	4.540059	4.570237	4.623431	3.96176	2.791662	0	0.812983	1.450211	0.791139	0.183731	4.09743	0.647613	0.158053
C27H8orf48	1	3.521415	3.567798	0	0	2.575366	3.267503	5.598855	2.936814	0	0	1.932916	2.360634	1.221282
C28H10orf105	1	0.043795	0	0	0.017487	0	0.114598	1.240837	0.264102	0.339609	0.012134	0.012257	0.394256	32.16699
C28H10orf53	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C28H10orf71	1	0	0.003134	0	0	0	0	0	0	0.243874	0.018452	0.000627	0.052465	83.70911
C28H10orf99	1	0	0.036193	0.139989	0	0	0	0	0.165659	0	0	0.035236	0.033132	0.940271
C28H1orf131	1	2.837711	2.323978	2.152549	2.283483	2.233766	5.441467	5.040337	4.478719	5.095284	5.077316	2.366298	5.026625	2.124257
C28H1orf198	1	9.824937	13.0781	38.61535	44.37892	6.785726	5.47583	3.881556	2.291696	4.033971	8.1072	22.53661	4.758051	0.211125
C29H11orf24	0.071679	3.82142	5.789155	19.17506	37.8159	10.11715	2.292539	3.347158	1.927072	2.987396	2.990311	15.34374	2.708895	0.176547

C29H11orf54	1	21.24548	26.82878	17.95333	19.13409	17.54572	10.08171	8.303206	5.664124	11.08798	8.790374	20.54148	8.785479	0.427695
C29H11orf68	1	10.18502	9.421849	10.96408	15.54635	20.02668	17.45215	11.8702	11.48113	6.285978	22.43444	13.2288	13.90478	1.051099
C29H11orf80	1	1.559925	1.534888	1.349234	0.860307	0.880154	6.587459	6.760802	34.66723	5.349551	4.454511	1.236902	11.56391	9.349095
C29H11orf86	1	0	0	0	0	0	0	0	0	0.112699	0	0	0.02254	#DIV/0!
C29H11orf95	1	5.848419	5.437351	0.116764	0.124531	7.117225	10.94318	8.059949	10.0331	0.076776	0.187627	3.728858	5.860126	1.571561
C29H11orf98	1	6.209032	4.03781	2.476956	1.980333	9.441852	18.20866	13.56151	20.36912	7.353824	16.55272	4.829197	15.20917	3.149419
C2CD2	1	1.515981	1.596689	2.916286	3.161506	0.447624	4.234007	4.356378	3.471358	2.314576	3.878029	1.927617	3.650869	1.893981
C2CD2L	1	20.42727	17.39845	19.02604	23.8689	40.77211	32.43883	38.9585	27.95345	15.557	36.38568	24.29855	30.25869	1.245288
C2CD3	1	1.616964	1.247609	2.237275	1.756489	0	1.524229	1.707312	2.154366	2.232559	1.268838	1.371667	1.777461	1.295839
C2CD4B	1	0.024631	0.111262	0.457235	0.737623	0	0	0	0	0	0.65511	0.26615	0.131022	0.492286
C2CD4C	1	1.195667	0.825966	2.125146	3.131213	2.226381	0.199702	0.337863	0	0.131514	0.930365	1.900875	0.319889	0.168285
C2CD4D	1	0.114448	0.206794	0.324934	0.095967	0.186344	0	0	0	0	0.2283	0.185698	0.04566	0.245884
C2CD5	1	20.32986	26.78198	13.57652	13.04766	19.24433	14.12694	17.09488	25.94151	29.33314	18.90554	18.59607	21.0804	1.133594
C2CD6	0.010709	0	0.159927	0.029455	0.080781	0	0.211748	0.372574	0.609994	2.091713	1.446101	0.054033	0.946426	17.51581
C2H2orf66	1	0.433538	0.215423	0.151493	0.56088	0.235296	0	0.515898	0.761909	0.089649	0.057655	0.319326	0.285022	0.892575
C2H2orf69	1	8.133613	9.052634	5.076878	5.214328	4.616809	3.716492	9.249722	8.186516	8.134883	5.41001	6.418852	6.939525	1.081116
C2H2orf72	1	19.55699	14.94487	13.25573	21.15063	23.42371	7.550486	12.51697	5.593134	14.35137	19.26135	18.46639	11.85466	0.641959
C2H2orf76	1	5.60321	5.168923	1.26795	1.827619	13.15347	15.05034	5.738091	4.222223	12.21482	5.319311	5.404235	8.508957	1.574498
C2H2orf80	1	0.585335	0.377727	2.739317	2.043406	1.089193	22.49299	12.54468	0.172887	0.778106	0.194604	1.366995	7.236654	5.293839
C2H2orf88	1	2.768349	2.597796	0.028873	0.034841	3.788482	1.978737	2.680039	0.580845	0.355392	0.347232	1.843668	1.188449	0.644611
C3	1	24.12479	20.7943	41.97189	42.37103	18.9698	59.33735	18.80616	10.61	31.59712	4.698287	29.64636	25.00978	0.843604
C3AR1	0.545862	0.741422	0.732631	0.702463	0.535499	0.325467	8.616117	3.88079	2.395205	9.413114	1.105617	0.607496	5.082169	8.365758
C3H1orf109	1	3.293628	2.865855	2.63356	3.066861	3.223478	1.742501	1.912239	3.139744	5.349972	2.228938	3.016676	2.874679	0.952929
C3H1orf123	1	41.13674	36.05867	14.33178	14.95922	74.88619	150.6974	58.37973	43.3489	16.07624	43.59415	36.27452	62.41929	1.720747
C3H1orf141	1	0	0.020104	0.097196	0.021325	0	0	0	0.092015	0	0	0.027725	0.018403	0.663775
C3H1orf146	1	0	0.144422	0.079799	0.021885	0.099154	0	0.038821	0	0.188892	0	0.069052	0.045543	0.659542
C3H1orf162	0.000114	0.340727	0.66183	1.785923	1.616294	2.477985	0	0	0	0	0	1.376552	0	0
C3H1orf185	1	0.096684	0.109186	0	0	0	0	0.102724	0	0.499822	0.562524	0.041174	0.233014	5.659253
C3H1orf189	1	0	0.122244	1.182038	0.940097	0	0.283246	0	0	0.279799	0.089971	0.448876	0.130603	0.290957
C3H1orf194	1	0.37085	0.568375	0.231406	0.761552	0.575065	0	0	0	0.41082	0	0.501449	0.082164	0.163853
C3H1orf210	1	0	0.028129	0	0.11935	0.236576	0.456237	0.026464	0	0.064384	0.041406	0.076811	0.117698	1.53231
C3H1orf216	1	8.081616	7.957757	6.794501	6.819172	18.9425	7.778522	5.038103	2.410576	1.399893	4.091322	9.71911	4.143683	0.426344
C3H1orf226	1	0.735657	1.113138	1.853418	1.572406	1.702752	0.239048	0.132824	0.826366	0.845129	0.563496	1.395474	0.521372	0.373617
C3H1orf43	1	39.45166	33.79673	28.02457	32.45351	56.29768	37.42642	32.03627	30.2496	30.53156	32.05905	38.00483	32.46058	0.854117
C3H1orf50	1	14.72317	13.76822	11.992	11.46057	33.28645	9.643572	10.36274	5.965041	12.31672	10.02508	17.04608	9.662631	0.566854
C3H1orf52	1	12.23603	12.5328	6.836118	8.317258	21.85323	18.68933	13.54468	11.3991	8.67929	12.7009	12.35509	13.00266	1.052413
C3H1orf54	1	1.635414	0.853935	0.576077	0.737278	1.861086	14.35646	1.532065	2.181488	3.727252	1.461615	1.132758	4.651775	4.106592
C3H1orf56	1	0	0.226717	0.043845	0	0	0	0	0	0	0.13349	0.054112	0.026698	0.493383
C3H1orf68	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C3H1orf87	1	0	0	0.016028	0.026375	0	0	0.046786	0	0	0	0.008481	0.009357	1.103365
C3H1orf94	1	0	0.040612	0	0.032309	0	0.141149	0.009552	0.04647	0.139431	0.007472	0.014584	0.068815	4.718515
C3H2orf54	1	0.061021	0	0	0.097462	0	0	0	0	0	0	0.031697	0	0
C4A	1	3.562182	1.309125	5.705581	4.31165	2.302006	1.202714	1.285515	3.790812	7.862275	2.22479	3.438109	3.273221	0.952041
C4BPA	1	0	0	0.030678	0	0	0	0	0.054456	2.25116	0.023351	0.006136	0.465793	75.9161
C4BPB	1	0	0	0	0.02387	0	0	0.063515	0.077249	0.360548	0.06625	0.004774	0.113512	23.77714
C4H7orf25	1	7.18434	5.974352	4.548607	4.563828	3.820416	1.822934	4.703273	4.745032	2.626092	3.088231	5.218309	3.397112	0.650999

C4H7orf31	1	0	0.057686	0	0.020397	0.092412	0	0	0	0	0.028305	0.034099	0.005661	0.166015
C4H7orf57	1	0.572465	0.612463	0.241275	0.854183	1.090163	0.420477	0.042683	0.155737	0.67496	0.03339	0.67411	0.265449	0.393778
C5	1	0.034228	0.019327	0.082228	0.0082	0	0.035825	0.029093	0.114998	1.097066	0.113797	0.028797	0.278156	9.659334
C5AR1	1	1.722146	2.136249	4.501473	4.32082	1.876694	1.56123	0.475443	0.420547	0.245355	0.191603	2.911476	0.578836	0.198812
C5AR2	1	0.431678	0.402997	1.319876	1.247946	0.609145	0.150608	0.073384	0.163628	0.386814	0.009568	0.802328	0.1568	0.195432
C5H12orf10	1	6.098946	5.047244	6.237077	8.272277	11.86559	41.29046	24.13705	27.06292	10.84342	38.16683	7.504227	28.30014	3.771226
C5H12orf29	1	13.12111	12.99928	10.65459	10.33204	12.76292	17.18762	21.2077	17.55283	20.93459	10.94558	11.97399	17.56567	1.466985
C5H12orf4	1	7.362959	8.762632	5.659773	5.268286	1.964971	1.99445	3.838594	3.80189	7.289658	1.963926	5.803724	3.777704	0.65091
C5H12orf40	1	0.17538	0.29278	0.133225	0.036537	0.020692	0	0	0	0	0	0.131723	0	0
C5H12orf42	1	0	0	0	0	0	0	0.082455	0	0	0	0	0.016491	#DIV/0!
C5H12orf45	1	2.562242	2.783038	2.331599	2.515116	2.438408	4.516244	4.593911	4.437639	3.679407	3.164898	2.52608	4.07842	1.614525
C5H12orf50	1	0.051296	0.202752	0	0.030724	0.0348	0.134225	0.109002	0.066286	0.066296	0.042636	0.063915	0.083689	1.309389
C5H12orf54	1	0	1.313096	0	0	0	0	0	0	0	0	0.262619	0	0
C5H12orf56	1	0.39707	0.489178	0.934757	0.636256	0.279874	0.242883	0.164367	0.39982	0.159951	0	0.547427	0.193404	0.353297
C5H12orf57	1	29.5156	22.50744	24.25262	24.31784	50.38358	59.4409	15.64874	16.91785	11.8845	29.14739	30.19541	26.60788	0.881189
C5H12orf60	1	0.108014	0.06099	0.088462	0	0.073278	0.282636	0	0	0	0.134666	0.066149	0.08346	1.261706
C5H12orf66	1	1.024667	1.188865	1.471451	1.059299	0.076181	2.64448	2.803731	1.705001	1.378712	0.723335	0.964093	1.851052	1.919993
C5H12orf71	1	0	0	0	0	0	0	0.080705	0	0	0	0	0.016141	#DIV/0!
C5H12orf73	1	3.956061	5.314096	3.819738	6.85068	14.76595	3.051022	1.917256	1.865471	0.645834	1.984425	6.941305	1.892802	0.272687
C5H12orf75	1	2.323324	0.941622	3.341447	3.413414	2.723999	3.156183	1.797599	9.759927	7.281777	10.57715	2.548761	6.514527	2.555958
C5H12orf80	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
C5H22orf23	1	0.635526	0.668206	1.148659	0.997555	0.832569	0.286717	0	0.028319	2.265819	2.203985	0.856503	0.956968	1.117297
C5H22orf46	1	0	0.284574	0	0.009147	0.020722	0	0.016226	0	0	0.006347	0.062889	0.004515	0.071788
C6	1	0.275865	0.180691	0.084347	0.125574	0.239554	0	0	0	1.226465	0.128402	0.181206	0.270973	1.495388
C6H4orf17	1	0	0.093966	0	0.014239	0	1.30634	0.454653	0.645127	0	0	0.021641	0.481224	22.23679
C6H4orf19	1	3.470577	3.317152	1.835685	2.42514	6.76919	1.608153	1.766879	0.724101	1.401689	1.532459	3.563549	1.406656	0.394735
C6H4orf3	1	38.36826	37.45527	24.2086	29.32014	55.52892	98.22107	54.69473	41.55793	59.88962	64.18618	36.97624	63.70991	1.722996
C6H4orf36	1	0.083553	0.062905	0.202752	0.044483	0.050386	0	0	0	1.77575	0.216056	0.088816	0.398361	4.485255
C6H4orf48	1	1.490803	1.665273	3.220466	3.843404	1.319201	0.169606	0	0	0.921479	6.464902	2.30783	1.511197	0.654813
C6H4orf50	0.654087	2.59829	4.147231	2.04604	2.231338	0.387303	0.478792	0.835962	0.18443	0.245942	0.164252	2.282041	0.381876	0.16734
C6H4orf54	1	0.431955	0.408705	0.109271	0.249728	0.203661	0.31421	0.40401	0.012931	0.120706	0.13862	0.280664	0.198095	0.705809
C7	1	3.654547	0.23186	5.548858	3.633786	0.598934	1.960895	1.821456	2.785735	2.016635	1.296926	2.733597	1.976329	0.722978
C7H19orf24	1	0.63736	0.827741	1.809561	1.756027	2.046677	1.834533	1.218922	0.549074	0.329492	1.23609	1.415473	1.033622	0.730231
C7H19orf25	1	3.149138	3.661627	5.633293	7.569484	18.10345	0.650545	0.132074	0.080317	0.160657	2.393598	7.623398	0.683438	0.08965
C7H19orf38	1	0.028499	0.032184	3.01868	0.273111	0.386685	0.29829	0.242236	1.841355	0.589319	2.297685	0.747832	1.053777	1.409109
C7H19orf44	1	1.539221	1.563078	1.88927	1.886703	1.100899	1.717204	1.686093	3.638817	1.110309	1.190092	1.595834	1.868503	1.170863
C7H19orf53	1	21.23056	19.14015	18.79026	24.19137	77.66373	17.8229	5.459371	5.816338	5.765705	7.912621	32.20322	8.555386	0.265669
C7H19orf57	1	0.31832	0.37511	0.438277	0.331577	0.450687	0.181073	0.19116	0.143075	0.035774	0.057517	0.382794	0.12172	0.317977
C7H19orf66	1	6.961878	6.19622	7.464726	9.395508	13.37591	16.09865	6.574951	5.765064	11.7178	21.74043	8.678848	12.37938	1.426385
C7H19orf67	1	0.010416	0.047053	0.181993	0.106061	0.084801	0.054513	0	0	0.080774	0.069263	0.086065	0.04091	0.475337
C7H19orf70	1	8.464859	7.183815	8.416511	12.33734	82.06483	67.9903	29.43068	12.39549	11.13581	41.93451	23.69347	32.57736	1.374951
C7H19orf71	1	0.087218	0.328318	1.841307	2.228855	0	2.434341	2.162221	11.42073	2.104125	7.249247	0.89714	5.074133	5.655902
C7H1orf35	1	21.13539	17.67793	16.39061	22.54157	52.26297	35.4255	19.30927	15.02257	15.7855	25.71606	26.00169	22.25178	0.855782
C7H5orf15	1	11.84372	11.30838	9.459538	8.925923	11.30456	13.13527	35.13052	33.56	34.78133	25.87428	10.56842	28.49628	2.69636
C7H5orf24	1	13.07067	14.09369	14.58008	10.9848	2.697106	10.01021	20.20327	18.0049	25.01179	15.55549	11.08527	17.75713	1.601868
C7H5orf30	1	4.762395	5.904172	3.850731	4.858773	5.145819	7.231872	10.34824	7.956309	7.064484	3.211768	4.904378	7.162535	1.460437

C7H5orf46	1	0	0	0	0	0	0.797225	0.184975	0	0	0	0	0.19644	#DIV/0!
C7H5orf63	1	2.060598	2.526507	1.671527	0.728759	9.852194	6.162163	4.420369	4.158961	10.34819	5.252283	3.367917	6.068393	1.801824
C8A	1	0	0	0	0	0	0	0	0	2.125097	0.014236	0	0.427867	#DIV/0!
C8B	1	0.050149	0	0.018254	0	0	0	0.035522	0.021601	2.203653	0.055576	0.013681	0.46327	33.86322
C8G	1	3.252299	4.310845	6.335914	8.852675	10.89742	0	0.194675	0	4.81505	0.101529	6.729831	1.022251	0.151898
C8H8orf58	1	0.048909	0.098191	0.676491	0.071607	0.191709	0.739424	0.508093	0.940988	0.870892	1.517643	0.217381	0.915408	4.21107
C8H8orf74	1	0	0.069768	0	0	0	0	0	0	0	0	0.013954	0	0
C8H9orf131	1	0	0.143232	0.042615	0.011687	0	0	0	0	0.226964	0.36491	0.039507	0.118375	2.996321
C8H9orf135	1	0.337326	0.329466	0.039822	0.218422	0.197923	2.194747	0.891159	0.612617	0.7541	0.757769	0.224592	1.042078	4.639875
C8H9orf152	1	0.085671	0	0	0.022805	0	0	0.242727	0.147607	0	0.015824	0.021695	0.081232	3.744225
C8H9orf153	1	0	0.051646	0	0.164349	0	0	0	0	0	0.050682	0.043199	0.010136	0.234644
C8H9orf3	0.272984	8.243597	8.742177	6.209952	6.900494	16.28172	1.954718	2.10721	1.108083	2.298077	1.268043	9.275588	1.747226	0.188368
C8H9orf40	1	7.372717	8.452205	7.562932	7.978668	13.64123	11.18055	9.880673	10.17677	8.806709	8.843758	9.00155	9.77769	1.086223
C8H9orf43	1	0.257743	0.358987	0.150107	0.164666	0.093257	5.620225	1.478766	2.553469	2.442804	1.956611	0.204952	2.810375	13.71235
C8H9orf57	1	0	0.052792	0.051048	0	0.126858	0	0	0	0	0	0.04614	0	0
C8H9orf64	1	3.614084	2.837217	2.406134	2.55317	2.095606	12.3397	8.401774	6.493038	16.34141	6.384371	2.701242	9.992059	3.699061
C8H9orf72	1	11.24335	12.46846	8.356362	9.258662	15.87926	12.06022	10.35223	15.77383	17.12028	4.04014	11.44122	11.86934	1.037419
C8H9orf84	1	0	0	0.016742	0.009183	0	0	0	0	0.039629	0.006371	0.005185	0.0092	1.774412
C8H9orf85	1	0.592912	0.687675	0.734941	0.777431	0.891455	1.048278	1.191804	1.138906	0.041421	0.173149	0.736883	0.718712	0.975341
C9	1	0.02801	0	0	0	0	0	0	0	1.954839	0.046562	0.005602	0.40028	71.45245
C9H6orf118	1	0.11273	0.267345	0.960175	0.958777	0.367096	0.707946	0	0	0.524498	0	0.533225	0.246489	0.462261
C9H6orf120	0.137743	10.13849	10.26591	5.340631	5.804046	9.624229	1.232059	2.323823	1.295397	1.688187	1.085697	8.234661	1.525032	0.185197
C9H6orf163	1	8.890872	8.634187	3.288926	4.78744	11.94557	2.197616	2.646202	1.459512	1.497153	2.214532	7.509399	2.003003	0.266733
C9H6orf203	1	6.218529	5.294892	2.549142	2.90698	6.478012	11.11245	7.861175	5.879793	5.863603	7.191144	4.689511	7.581633	1.616721
C9H6orf58	1	0	0	0	0	0	0	0	0	0	0.045345	0	0.009069	#DIV/0!
CA1	1	0.105511	0	0	0.031598	0	0	0	0	0	0	0.027422	0	0
CA10	1	33.27366	24.05226	24.0416	22.05454	29.89208	32.45204	32.38309	68.33196	61.57756	75.78644	26.66283	54.10622	2.029275
CA11	1	57.31925	53.24963	40.59743	23.84735	67.43254	159.2241	58.37272	72.97976	49.79657	150.0507	48.48924	98.08477	2.022815
CA12	1	1.657259	0.966419	0.31909	0.300033	1.110154	0.043693	0.062094	0	0.02158	0.360846	0.870591	0.097642	0.112157
CA13	1	0.537893	0.26347	0.651059	0.628812	0.439658	0.64439	1.432186	1.875869	1.507614	0.764881	0.504178	1.244988	2.469341
CA14	1	2.586727	1.102012	2.198834	2.059565	4.014161	2.310239	3.8345	2.181713	2.682496	1.93114	2.39226	2.588018	1.08183
CA2	1	18.75552	15.35208	42.12452	21.00881	43.73848	40.54899	41.9025	10.19268	15.40596	13.4493	28.19588	24.29989	0.861824
CA3	1	143.3143	103.3231	189.9426	184.9343	229.4675	41.17667	123.7005	92.45468	0.758518	4.497034	170.1964	52.51749	0.30857
CA4	1	6.776103	9.942461	7.328224	4.575597	14.87404	33.15997	9.241587	1.894376	12.20998	34.59121	8.699285	18.21942	2.094359
CA5A	1	0.03387	0.019125	0	0	1.792282	1.949777	1.151551	1.356791	0.175095	0.197061	0.369055	0.966055	2.617644
CA5B	1	10.76118	8.112483	3.627159	2.841144	14.77094	0.506018	0.265895	0.191095	0.058807	0.453835	8.022581	0.29513	0.036787
CA6	1	0.042491	0.09597	0	0.033933	0	0	0	0	0	0	0.034479	0	0
CA7	1	2.797704	5.52906	5.233166	4.297798	21.26476	6.507244	9.46793	3.514829	0.60263	9.409089	7.824498	5.900344	0.754086
CA8	1	7.579228	11.08528	17.35492	2.072537	5.210625	9.306329	5.969577	19.59463	14.71939	5.630059	8.660519	11.044	1.275212
CA9	1	0.431324	0.189885	0.191592	0.45538	1.210149	1.72164	1.165096	3.854331	1.171585	2.855866	0.495666	2.153704	4.345069
CAAP1	1	20.93792	21.1361	9.669742	9.966509	8.84628	9.336369	13.71637	8.42501	10.48039	9.436124	14.11131	10.27885	0.728412
CAB39	1	40.42384	42.72602	31.60356	36.33361	32.0032	41.70501	61.09655	39.50865	55.99338	35.00043	36.61805	46.6608	1.274257
CAB39L	1	19.67371	16.15781	8.922242	10.78692	13.05637	6.772683	12.53307	5.791943	3.68314	4.422534	13.71941	6.640673	0.484035
CABCOCO1	1	1.606653	1.521394	0.501267	1.231266	0.89365	3.864613	2.226559	3.198048	8.047872	2.654205	1.150846	3.99826	3.474191
CABIN1	1	5.009145	5.542794	13.00253	14.62665	2.288986	4.900039	3.288965	9.813448	6.223379	21.70431	8.094021	9.186029	1.134915
CABLES1	2.15E-09	29.08661	22.65431	20.65361	23.43837	54.98734	3.546933	3.620697	3.372294	3.896712	5.749129	30.16405	4.037153	0.13384

CABLES2	0.927824	6.126093	5.492806	8.186707	7.201546	13.09562	1.025004	0.72834	2.095069	1.940682	3.735196	8.020554	1.904858	0.237497
CABP1	1	52.3525	48.55315	20.71631	29.52593	102.3486	128.1379	87.02388	14.13254	11.48582	20.60737	50.6993	52.2775	1.031129
CABP2	1	0.274068	0.03258	0.094509	0.155513	0.508868	0	0	0	0	0	0.213107	0	0
CABP4	1	0.076594	0.069199	0	0.073401	0	0	0	0	0.55435	0	0.043839	0.11087	2.529036
CABP5	1	0	0	0	0	0	0	0.098377	0.358951	0.239335	0.051307	0	0.149594	#DIV/0!
CABP7	1	1.271933	1.413957	3.559122	3.975749	1.294353	2.392158	1.435859	7.807189	1.952081	20.94554	2.303023	6.906566	2.998914
CABS1	1	0	0.319374	0	0	0	0	0	0	0	0	0.063875	0	0
CABYR	1	0.195518	0.441599	0.231802	0.200751	0.166751	0.467753	0.54604	0.649677	2.050391	1.439356	0.247284	1.030643	4.167852
CACFD1	1	2.446517	2.958012	8.779363	10.08847	6.490959	0.428367	0.618436	1.151752	1.316479	2.570177	6.152664	1.217042	0.197807
CACHD1	1	11.62446	4.150969	8.000078	10.40693	3.216785	7.306079	8.612416	6.18408	4.860207	2.817282	7.479845	5.956013	0.796275
CACNA1A	1	14.43574	16.34124	26.24205	13.95304	11.27759	8.600491	18.56695	53.4692	29.49074	31.70639	16.44993	28.36675	1.72443
CACNA1B	1	12.87682	10.43541	11.07893	10.87099	8.858679	5.490923	6.48181	10.81643	6.460615	7.484667	10.82417	7.34689	0.678749
CACNA1C	1	5.130413	5.620171	5.272308	4.909354	1.951897	2.37693	2.707629	3.562598	1.818103	2.082906	4.576829	2.509633	0.548335
CACNA1D	1	3.177661	3.659223	3.599022	2.279458	0.92458	1.928613	5.723015	4.330872	5.355966	3.698789	2.727989	4.207451	1.542327
CACNA1E	1	10.45867	11.35229	10.96301	11.16251	7.595689	5.673085	7.940391	1.573261	4.956492	2.152304	10.30643	4.459107	0.432653
CACNA1F	1	0.149972	0.222291	0.143296	0.093568	0.398496	0.801204	0.478025	1.978346	1.098344	0.296048	0.201525	0.930393	4.616774
CACNA1G	1	4.863443	4.470543	12.81461	11.21775	6.214027	2.448765	5.82502	9.963397	11.47402	16.90586	7.916075	9.323413	1.177782
CACNA1H	1	2.315834	2.330843	4.319157	8.12402	2.449212	2.916984	1.566008	0.747389	1.386488	5.264731	3.907813	2.37632	0.608095
CACNA1I	1	3.784154	4.370683	6.36088	5.572815	0.330942	1.407847	3.788099	10.91088	7.509854	10.64321	4.083895	6.851978	1.677805
CACNA1S	1	0.762023	0.573704	0.20546	0.454533	0.263804	4.152026	0.413144	0.705095	0.097269	0.093832	0.451905	1.092273	2.417043
CACNA2D1	1	29.06072	42.10886	15.10768	17.05209	31.68205	19.32388	44.26144	36.08058	44.40408	17.44027	27.00228	32.30205	1.196271
CACNA2D2	1	3.387542	4.030309	9.238658	5.815407	5.183976	3.601847	5.079513	11.83518	7.376368	8.003148	5.531178	7.179211	1.297953
CACNA2D3	1	17.84505	15.49516	5.880998	11.01246	11.15407	9.386913	29.41955	1.636116	3.082986	0.358413	12.27755	8.776795	0.714866
CACNA2D4	1	0	0	0	0	0	0.057714	0	0.042752	1.111722	0	0	0.242438	#DIV/0!
CACNB1	1	10.22386	8.968931	9.116987	14.64598	16.1821	9.656054	14.63498	3.478527	2.672634	3.916711	11.82757	6.871782	0.580997
CACNB2	1	8.117966	7.148546	3.015812	3.080476	5.626088	1.911182	2.635233	1.661524	2.300906	1.226797	5.397778	1.947128	0.360728
CACNB3	1	22.37988	20.27815	11.80636	18.65699	36.59408	58.07768	35.76513	7.254944	6.755851	11.3964	21.94309	23.85	1.086902
CACNB4	1	11.01758	16.30227	12.6506	9.261178	4.124505	8.122048	17.96435	25.08305	22.29734	10.82218	10.67123	16.85779	1.579743
CACNG1	1	0	0	0	0	0	0.626029	0	0	0.077301	0.024857	0	0.145637	#DIV/0!
CACNG2	1	9.223086	12.47362	11.15438	6.741825	2.287544	5.449549	7.665579	9.162971	11.21506	12.65289	8.376091	9.22921	1.101852
CACNG3	1	46.8838	41.82282	10.17948	25.95055	86.09979	83.40546	84.09423	1.616254	6.51647	4.060886	42.18729	35.93866	0.851884
CACNG4	1	7.425699	5.14434	13.22102	17.35789	7.854607	6.455858	3.848906	1.819596	3.297526	6.692163	10.20071	4.42281	0.433579
CACNG5	1	5.928115	7.459346	5.908359	11.61223	7.592765	0.183869	3.563252	0	0.016512	0.026548	7.700163	0.758036	0.098444
CACNG6	1	0.116742	0.288395	0.207155	0.576859	0.2178	0.458212	0.821735	0.018857	0.075439	0.266838	0.28139	0.328216	1.166411
CACNG7	1	24.0696	30.59271	53.43117	49.62405	26.84259	49.90249	37.13389	34.90381	29.7271	64.52298	36.91203	43.23806	1.171381
CACTIN	1	4.70652	5.276817	9.415087	7.661604	6.209651	1.981106	1.83694	2.161144	4.060036	9.00724	6.653936	3.809293	0.572487
CACUL1	1	9.961985	12.74838	9.050174	9.820149	6.482386	6.839452	5.301742	3.749806	5.723241	3.653765	9.612616	5.053601	0.525726
CACYBP	1	76.61746	72.65812	44.52799	59.70359	85.98436	70.7365	85.98451	73.94709	80.83508	70.95475	67.8983	76.49158	1.126561
CAD	1	3.078833	2.677544	7.827484	6.307622	3.020632	4.227821	4.965487	7.202167	4.421237	3.954457	4.582423	4.954234	1.081138
CADM1	1	29.92573	26.38869	24.68778	23.76014	15.22979	9.267223	26.1112	81.50626	63.30611	39.91094	23.99843	44.02035	1.834301
CADM2	1	43.94338	57.34837	27.68865	31.92162	16.12053	10.07297	51.49339	29.51449	66.44155	33.85739	35.40451	38.27596	1.081104
CADM3	1	79.64669	76.70965	85.99167	92.77151	95.10165	47.15003	77.68468	224.1578	93.96717	260.4585	86.04424	140.6836	1.635015
CADM4	1	28.11925	30.41249	31.0658	33.47595	77.55462	89.33898	90.69761	68.65766	35.53399	121.2736	40.12562	81.10037	2.021162
CADPS	1	37.97892	39.41261	36.77125	32.17231	34.76996	26.27211	79.11131	41.93729	56.27661	53.65157	36.22101	51.44978	1.42044
CADPS2	1	35.42937	45.57991	33.7349	12.91181	27.18481	7.511967	24.20124	145.1275	121.3191	139.0907	30.96816	87.4501	2.823871
CAGE1	1	0.171635	0.253469	0.230674	0.229324	0.322451	0.863678	1.262481	1.245442	3.139653	0.53771	0.241511	1.409793	5.837394

CALB1	1	0.029495	0.066618	47.28114	0.768466	0	0.077178	0.188026	112.5886	131.6266	34.88511	9.629143	55.87311	5.802501
CALB2	1	4.708084	2.455056	61.94647	92.9794	5.759758	50.82624	17.13875	58.8774	141.978	22.66664	33.56975	58.29741	1.736605
CALCA	1	0	0	0	0.399364	0	0	0	0	0	0.046184	0.079873	0.009237	0.115643
CALCB_1	1	0	0	0	0.151498	0	1.456096	0.295618	0.130742	0	0.042047	0.0303	0.384901	12.70314
CALCB_2	1	0	0	0.759569	1.153718	0	1.540102	4.263721	2.973133	0.276611	0.355784	0.382657	1.88187	4.917899
CALCOCO1	1	33.16969	30.12685	33.42665	44.13319	28.29297	34.85725	30.79742	59.76921	25.64481	36.44755	33.82987	37.50325	1.108584
CALCOCO2	1	45.80264	38.43486	38.45905	46.54418	38.79901	65.16087	36.36644	39.51382	65.29642	87.01973	41.60795	58.67145	1.410102
CALCR	1	1.171026	1.180158	11.02304	5.167145	0.663713	15.08818	8.599053	4.290662	3.754876	1.096522	3.841016	6.565859	1.709407
CALCRL	1	2.197034	0.873417	5.05235	2.574422	0.325033	4.298244	2.894233	4.041895	2.406029	0.620078	2.204451	2.852096	1.293789
CALD1	1	26.23705	14.70247	22.73877	16.88539	7.734503	20.44445	5.720746	32.68647	29.30259	19.78375	17.65964	21.5876	1.222426
CALHM1	1	0	0	0	0	0	0	0.014319	0	0.975432	0.974578	0	0.392866	#DIV/0!
CALHM2	1	0.610309	0.125314	0.282735	0.37662	0.526966	2.080906	0.687737	0.406277	1.81656	0.906935	0.384389	1.179683	3.068985
CALHM3	1	0	0	0	0.043473	0	0	0	0	0	0.060329	0.008695	0.012066	1.387714
CALHM4	1	0.020364	0.005749	0	0	0	0	0	0	0.026319	0	0.005223	0.005264	1.007863
CALHM5	1	0.646919	0.220693	0.014717	0.096868	0.201154	0.141064	0.057278	0.069664	0	0.011202	0.23607	0.055842	0.236546
CALHM6	1	0.109297	0.164573	0.159134	0.305495	0.494327	1.620631	0.929003	3.483822	2.071763	6.752745	0.246565	2.971593	12.05196
CALM	1.82E-23	3.019798	0.838891	2.750906	3.017721	2.322573	351.7355	361.5779	145.9065	142.6719	144.1815	2.389978	229.2147	95.90661
CALM1	1	893.7674	770.2472	346.2571	558.5608	717.615	294.1423	383.2919	129.2979	160.8345	185.1598	657.2895	230.5453	0.350751
CALM2	1	907.8076	841.4331	341.6638	402.2086	1703.295	1349.035	1311.035	493.1977	707.5407	626.7805	839.2815	897.5178	1.069388
CALM3	1	551.9371	545.2828	391.3184	530.1434	594.6178	732.509	566.5035	224.2667	155.0827	249.3096	522.6599	385.5343	0.737639
CALML4	1	3.346192	1.719218	3.621058	4.333387	9.039562	4.575134	0.608555	2.532085	1.714276	1.578544	4.411883	2.201719	0.499043
CALML5	1	0	0	0	0	0.12178	0	0	0	0	0	0.024356	0	0
CALML6	1	0	0	0	0.06859	0	0	0	0	0.296007	0.618691	0.013718	0.18294	13.33575
CALN1	1	15.1167	15.38818	16.92081	13.42989	8.05872	19.43545	12.73581	26.98181	15.32883	35.13338	13.78286	21.92306	1.590603
CALR	1	194.4125	132.0543	120.7357	130.013	203.3546	105.5784	148.27	97.68486	94.40186	111.5213	156.114	111.4913	0.714166
CALR3	1	0.086448	0.622369	0.0472	0.129445	0.058648	0.282757	0	0.11171	0	0.50297	0.188822	0.179488	0.950565
CALU	1	21.43777	14.08331	12.28204	10.8476	7.945935	21.60971	39.60261	22.58818	23.4356	16.36915	13.31933	24.72105	1.856028
CALY	1	83.99063	106.1583	116.9688	165.715	173.0457	116.993	103.9885	14.34197	21.13323	81.02122	129.1757	67.49558	0.52251
CAMK1	1	16.03161	17.39718	15.98613	16.67511	32.95892	40.24951	51.24745	14.51047	17.87086	42.84808	19.80979	33.34527	1.683272
CAMK1D	1	40.30183	38.24684	21.36027	23.1227	20.86849	22.41996	45.20529	20.72477	15.72501	14.87123	28.78002	23.78925	0.826589
CAMK1G	1	10.41744	8.802538	7.188851	13.81647	20.36605	6.146352	7.934681	2.531713	0.952934	1.2432	12.11827	3.761776	0.310422
CAMK2A	1	499.9076	416.211	178.5187	354.7207	715.7393	1422.955	592.1729	57.92249	13.59871	72.33574	433.0195	431.797	0.997177
CAMK2B	1	78.14024	90.91516	75.23419	82.3116	89.01543	40.03704	74.64752	50.53403	60.7345	139.2668	83.12332	73.04398	0.878742
CAMK2D	1	33.71025	34.85824	36.41016	38.03149	30.24481	15.56424	37.41639	83.07737	95.78186	54.75437	34.65099	57.31885	1.654176
CAMK2G	1	43.60016	46.71935	32.55212	41.1901	44.0787	40.37209	87.83013	23.13377	39.79342	42.58357	41.62809	46.7426	1.122862
CAMK2N1	1	541.4732	601.6538	168.071	253.0355	1171.871	723.419	505.6605	120.8621	253.4202	210.5802	547.2208	362.7884	0.662965
CAMK2N2	1	25.9561	30.81169	8.340172	10.38209	147.7544	78.61359	30.93775	17.34881	5.552427	14.40736	44.64888	29.37199	0.657844
CAMK4	1	16.09435	16.68571	4.109328	2.960934	9.355765	7.20941	7.630282	9.665338	5.399783	5.211443	9.841217	7.023251	0.713657
CAMKK1	1	16.99223	15.97209	10.08806	14.58969	3.702916	10.95289	20.72809	25.73449	12.67847	12.30718	12.269	16.48022	1.343241
CAMKK2	1	48.49728	41.8767	60.23901	30.74113	49.70278	95.34969	85.1045	61.25707	41.13028	93.74619	46.21138	75.31755	1.629848
CAMKMT	1	2.012237	1.720372	2.060767	1.661438	1.264873	0.178486	1.715193	2.291751	3.114884	1.965429	1.743937	1.853149	1.062624
CAMKV	1	84.04943	67.61247	31.45652	77.61808	87.83945	108.5775	99.63178	12.49175	4.685089	7.020967	69.71519	46.48142	0.666733
CAMLG	1	15.21356	14.263	9.538103	9.536301	18.22217	11.18764	17.446	17.76115	11.72949	11.20609	13.35463	13.86608	1.038298
CAMP	1	0.095821	0	0	0.038261	0.173351	0	0	0.082548	0	0	0.061487	0.01651	0.268507
CAMSAP1	1	13.32737	12.36475	18.00286	21.58245	10.43297	6.970259	7.907957	10.05184	7.811203	17.47525	15.14208	10.0433	0.663271
CAMSAP2	1	31.12116	34.10108	38.15927	34.26017	27.83269	16.31601	26.47727	29.2	19.89195	18.80381	33.09487	22.13781	0.66892

CAMSAP3	1	4.584983	4.481709	7.890852	8.262738	7.313875	5.486525	3.834039	4.546814	4.512585	12.71542	6.506831	6.219076	0.955776
CAMTA1	1	25.05664	30.93007	20.37887	16.97451	25.56417	22.41101	29.01203	18.38666	20.57473	19.92212	23.78085	22.06131	0.927692
CAMTA2	1	42.52275	34.99271	43.29444	48.85874	35.29532	97.69645	54.43769	54.25154	25.66733	33.43575	40.99279	53.09775	1.295295
CAND1	1	13.52186	15.25815	14.57006	13.24948	10.61393	6.538811	12.50554	9.276838	14.22006	7.786557	13.44269	10.06556	0.748775
CAND2	1	6.381695	6.457406	8.130871	9.738737	9.191514	2.033076	3.181667	2.070792	2.217535	13.83748	7.980045	4.668109	0.584973
CANT1	1	4.140318	3.975583	4.738741	7.373186	8.862195	4.692724	7.774674	5.62201	2.890105	2.880014	5.818005	4.771905	0.820196
CANX	1	119.7814	112.7672	83.84802	89.05298	81.52593	68.74963	146.5668	118.5789	130.3309	100.4045	97.39511	112.9262	1.159464
CAP1	1	55.7478	44.9518	43.03304	54.95595	81.71909	74.45259	76.40666	36.88	34.05049	26.83218	56.08154	49.72439	0.886645
CAP2	1	116.5896	102.1124	41.03857	54.25303	24.58606	60.45982	132.0212	44.52777	47.04431	53.83635	67.71594	67.57788	0.997961
CAPG	1	3.646998	1.41658	2.714154	2.212185	5.83089	4.68031	1.85104	1.981148	3.24235	27.39722	3.164162	7.830414	2.47472
CAPN1	1	9.79065	9.078496	16.17614	14.12521	17.31367	52.4822	19.16541	24.49391	19.07025	25.53144	13.29683	28.14864	2.116944
CAPN10	1	2.12775	2.448601	4.332543	3.475662	3.149462	3.154585	2.236784	3.917927	4.58127	5.002692	3.106804	3.778651	1.21625
CAPN11	2.18E-06	0.012047	0.054418	0.052619	0.036077	0.098073	3.71963	2.278287	3.845066	0.591635	6.948923	0.050647	3.476708	68.64632
CAPN12	1	0	0	0	0.020773	0	0.045377	0.03685	0	0	0.028827	0.004155	0.022211	5.346006
CAPN13	1	0.037788	0.008535	0	0	0	0.019776	0.01606	0	0	0	0.009265	0.007167	0.773597
CAPN14	1	0	0.023269	0.0225	0	0	0	0.043783	0.053251	0	0	0.009154	0.019407	2.12012
CAPN15	1	0.856505	0.880451	2.602015	2.600081	1.102539	0.584241	0.455007	0.723673	1.106955	1.232132	1.608318	0.820402	0.510099
CAPN2	1	18.9521	20.22257	39.30177	34.03269	29.25569	27.00484	14.01374	16.0217	20.26658	34.08594	28.35296	22.27856	0.785758
CAPN3	1	0.623089	0.983875	1.637778	1.882498	0.58357	1.875697	0.234342	0.099755	1.881375	1.796576	1.142162	1.177549	1.030982
CAPN5	1	7.155345	5.580056	10.27699	10.21373	11.33704	2.166477	2.622899	4.888166	8.403372	8.119117	8.912631	5.240006	0.58793
CAPN6	1	5.33937	0.033639	2.276899	0.240853	0	0	0.063296	0.076984	0.076995	0.111412	1.578152	0.065737	0.041655
CAPN7	1	9.721616	9.904939	10.32417	7.051264	9.146473	7.771231	8.013466	16.31742	11.90158	8.852795	9.229693	10.5713	1.145358
CAPN8	1	0.05225	0.05245	0.190186	0.06259	0.204806	0	0	0	0	6.128209	0.112456	1.225642	10.89885
CAPNS1	1	65.51497	53.86607	72.30574	106.148	153.3315	262.5379	149.1199	91.4095	81.00754	158.5049	90.23327	148.516	1.645911
CAPNS2	1	0.040887	0	0	0	0	0	0	0	0	0	0.008177	0	0
CAPRIN1	1	51.09551	52.45934	42.09589	41.23903	24.3394	46.36191	73.52427	79.81272	66.65658	49.54557	42.24583	63.18021	1.495537
CAPRIN2	1	9.383211	10.01961	13.00915	9.60055	8.775367	16.5198	22.837	23.93899	19.73199	16.77569	10.15758	19.96069	1.965104
CAPS	1	0.832723	0.722092	3.864599	3.687239	3.389605	0.389099	0.126392	0	1.229965	1.458421	2.499252	0.640775	0.256387
CAPS2	0.000244	1.375794	2.770262	0.921246	0.567491	0.28177	0	0	0	0.033549	0	1.183312	0.00671	0.00567
CAPSL	1	0.039748	0.011222	0.694463	0.571365	0.107863	0.104007	0	0	0.102741	0.214741	0.284932	0.084298	0.295853
CAPZA1	1	20.83669	22.9272	20.91951	21.23461	37.0284	29.24161	33.49171	29.79625	33.59622	21.33081	24.58928	29.49132	1.199357
CAPZA2	1	73.99998	76.04917	35.38595	45.30668	33.85908	82.6894	135.8847	66.41897	88.28619	66.52946	52.92017	87.96174	1.662159
CAPZA3	1	0	0.273417	0	0	0	0	0	0	0	0	0.054683	0	0
CAPZB	1	42.04731	37.566	44.61827	50.7633	58.12531	55.38171	54.82653	50.70565	38.14438	57.52141	46.62404	51.31593	1.100633
CARD10	1	0.443813	0.338209	1.58393	1.192951	0.773534	2.530335	0.444705	0.251783	0.820745	0.527832	0.866488	0.91508	1.05608
CARD11	1	1.699815	1.127276	1.253695	1.32945	1.099095	3.337969	1.748408	4.038661	3.676541	1.388973	1.301866	2.838111	2.180033
CARD14	0.546367	0.067093	0.122395	0.304328	0.129829	0.210079	1.053359	0.296105	4.508349	0.293486	5.293431	0.166745	2.288946	13.72723
CARD19	1	3.890208	6.109919	11.56607	8.987252	14.41573	15.31182	7.919165	9.082415	4.985493	95.75248	8.993835	26.61027	2.958724
CARD6	0.003804	1.76821	1.152229	1.764485	1.161375	0.638943	0.120804	0.029431	0.023863	0.071601	0.122793	1.297048	0.073698	0.05682
CARD9	1	1.7641	1.647403	5.260452	7.802601	1.399332	0.355081	0.273938	0.508528	0.666444	2.695665	3.574778	0.899931	0.251745
CARF	1	4.554139	5.68289	3.532539	3.810581	1.902048	2.990919	2.803137	4.068841	9.198034	4.59488	3.89644	4.731162	1.214227
CARHSP1	1	3.390814	2.468393	4.143667	6.588005	6.10538	2.381687	0.88534	0.381016	2.153882	1.172085	4.539252	1.394802	0.307276
CARM1	1	6.790053	6.232222	8.761083	9.308858	7.792743	11.95958	9.968372	8.18647	6.119497	11.46953	7.776992	9.54069	1.226784
CARMIL1	1	12.21979	8.97706	11.24743	8.444739	8.516286	4.241284	10.04581	11.21539	16.66953	8.67092	9.88106	10.16859	1.029099
CARMIL2	1	1.301809	1.217314	2.652957	2.801013	10.5868	5.96662	2.325789	1.810804	1.843216	6.5128	3.711978	3.691846	0.994576
CARMIL3	1	2.269543	1.788574	5.010082	4.806573	2.713857	2.413905	4.51908	14.9697	9.158273	15.64736	3.317726	9.341665	2.815683

CARNMT1	1	3.353729	3.654959	3.380498	2.758809	3.449438	6.38224	10.12661	9.528212	8.777899	3.90641	3.319487	7.744275	2.332974
CARNS1	1	0.991902	2.029063	1.738721	2.152297	6.12715	7.422145	5.324821	1.787714	1.147002	0.339899	2.607827	3.204316	1.228731
CARS	1	11.41267	9.332434	10.69735	12.79105	12.36151	13.03651	16.98041	14.06954	7.053882	17.70379	11.31901	13.76883	1.216434
CARS2	0.20054	7.109362	6.940984	10.75236	9.988769	8.270658	2.354366	1.938871	1.997858	2.817062	7.647026	8.612426	3.351036	0.389093
CARTPT	1	23.53448	17.61168	6.411137	6.193806	66.76161	27.67036	39.02236	0.603493	0.603581	0.637711	24.10254	13.7075	0.568716
CASC1	1	5.049334	5.478463	1.811211	2.294587	2.668749	3.379919	9.715885	16.25524	30.65612	11.90731	3.460469	14.3829	4.156343
CASC10	1	0	0	0	0	0	0	0.05071	0	0	0	0	0.010142	#DIV/0!
CASC3	1	16.22071	16.34955	21.25524	23.88012	21.95084	29.82898	20.87269	39.42955	27.08413	28.31443	19.93129	29.10596	1.460314
CASC4	1	55.15463	50.60847	16.46985	16.737	40.46654	14.81326	30.08498	31.184	20.1604	17.6536	35.8873	22.77925	0.634744
CASD1	1	23.928	33.27869	15.40594	15.05968	24.89394	16.29437	40.72465	29.69982	32.28558	20.64312	22.51325	27.92951	1.240581
CASK	1	10.95235	9.720851	7.934156	7.486685	7.022779	9.757369	12.32222	8.079106	7.122191	5.22995	8.623364	8.502167	0.985945
CASKIN1	1	7.495122	8.875068	20.5432	20.00542	11.11778	11.37158	9.905914	9.664742	15.80234	30.24943	13.60732	15.3988	1.131656
CASKIN2	1	2.62762	2.534542	9.458955	13.5087	2.403798	3.231642	1.900401	1.551899	2.88409	5.352015	6.106724	2.98401	0.488643
CASP1	1	0.35011	0.282415	0.273081	0.419394	0.22621	1.919488	0.40741	0.280069	0.56022	0.041571	0.310242	0.641751	2.068552
CASP14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CASP2	1	1.32145	1.512764	3.202268	2.244329	0.638599	3.694625	3.000344	5.14621	4.304729	7.718509	1.783882	4.772883	2.67556
CASP3	1	7.285026	7.52869	3.575618	3.231062	7.127767	1.047896	3.291287	3.48549	3.10543	2.369163	5.749633	2.659853	0.462613
CASP4	1	2.246357	1.358002	1.221929	1.340447	1.246368	4.982064	1.117933	1.03594	5.137284	0.624679	1.482621	2.57958	1.739878
CASP6	1	1.878088	1.670028	2.260763	1.753742	2.287412	8.590395	1.66547	4.815593	6.574623	3.662829	1.970007	5.061782	2.569424
CASP7	1	0.72316	0.288236	0.619354	0.653948	0.654139	1.743853	1.039517	0.879513	1.429416	0.754279	0.587767	1.169316	1.98942
CASP8	1	1.551223	0.985391	1.376298	0.895918	0.657736	1.377171	1.17724	0.590619	1.109809	0.172677	1.093313	0.885503	0.809926
CASP8AP2	1	2.42549	2.397907	2.448351	2.306412	1.000869	2.420904	3.148218	4.173643	4.718249	2.733013	2.115806	3.438805	1.625293
CASP9	1	6.162558	4.464194	2.515661	4.252385	8.041892	5.589754	2.781463	3.842996	3.627016	2.071475	5.087338	3.582541	0.704207
CASQ1	1	0.430708	0.158363	0.39376	0.275969	0.516447	3.721782	1.46863	1.889751	0	0.283062	0.35505	1.472645	4.147717
CASQ2	1	4.901525	2.064699	3.853085	5.726637	2.374512	0.03723	0.136051	1.231839	3.089239	0.756851	3.784091	1.050242	0.277541
CASR	1	0	0.021768	0.028065	0.007697	0.069744	0	0.013653	0.024908	0	0	0.025455	0.007712	0.302983
CASS4	1	0.097033	0.105801	0.211916	0.1483	0.072639	0	0.72522	0.968514	0.06919	0.817629	0.127138	0.516111	4.05946
CAST	1	13.20876	11.65068	11.94418	11.60683	13.1229	9.679148	11.00188	6.271822	15.11851	4.812506	12.30667	9.376773	0.761926
CASTOR1	1	3.537305	2.022317	10.09122	15.4662	11.66889	5.495714	2.677787	1.68555	3.143007	2.407199	8.557187	3.081851	0.360148
CASTOR2	1	14.11222	15.85808	34.80131	32.85546	18.82175	15.78612	8.726626	10.93878	6.778115	15.09885	23.28976	11.4657	0.492306
CASZ1	1	0.074001	0.03887	0.315716	0.177292	0	0.027019	0.007314	0.057821	0.444838	0.123015	0.121176	0.132001	1.089338
CAT	1	26.9939	27.38648	30.92945	26.25863	24.50721	47.08931	51.53156	41.21362	49.37811	34.92859	27.21513	44.82824	1.647181
CATHL1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CATHL2	1	0	0	0	0.136763	0	0.149372	0.121302	0	0	0	0.027353	0.054135	1.979146
CATHL3	1	0	0	0	0	0	0	0	0.177362	0	0.038027	0	0.043078	#DIV/0!
CATHL4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CATHL5	1	0	0.056221	0	0	0.135096	0	0	0.160829	0	0.041379	0.038263	0.040441	1.05692
CATHL6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CATIP	1	0	0	0.144256	0.184622	0	0.230449	0.093572	5.519575	0.455289	0.146401	0.065776	1.289057	19.59782
CATSPER1	1	0.015496	0.017499	0	0.018562	0	0	0	0	0.040054	0.064398	0.010312	0.02089	2.025924
CATSPER2	1	0.152621	0.469191	0.296283	0.416432	0.552218	0.798716	1.15311	2.739171	0.920495	1.39539	0.377349	1.401377	3.71374
CATSPER3	1	0.163014	0.295516	0.271696	0.328881	0.139694	0.695953	0.382858	0.465647	0.110884	0.192541	0.23976	0.369577	1.541443
CATSPER4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CATSPERB	1	0	0.012704	0	0.006738	0	0	0.023904	0.029073	0.145388	0.065451	0.003888	0.052763	13.56958
CATSPERD	0.000342	3.886109	4.209662	6.722207	5.243564	1.526482	0.207312	0.117848	0.071666	0.225268	1.435558	4.317605	0.41153	0.095314
CATSPERE	1	0.026602	0.084116	0	0	0	0.055686	0.10175	0.068751	0.467574	0.39799	0.022144	0.21835	9.86062

CATSPERG	1	2.568233	2.977608	2.595994	3.771158	4.770039	2.827575	4.684303	2.625192	1.917972	0.329326	3.336607	2.476873	0.742333
CATSPERZ	1	2.602015	2.647533	3.319596	3.548988	15.97467	7.145658	3.09304	4.028198	5.92664	4.582372	5.61856	4.955182	0.881931
CAV1	1	8.115704	6.456709	24.08775	29.68386	14.88115	23.77145	12.26604	11.56177	25.22289	23.44077	16.64503	19.25258	1.156656
CAV2	1	8.372662	7.763753	34.22253	32.94113	6.044944	30.35023	31.66558	20.05051	20.84762	43.86135	17.869	29.35506	1.642792
CAV3	1	0.202817	0	0	0	0	0	0	0	0	0	0.040563	0	0
CAVIN1	1	7.255473	2.997394	11.16806	9.219147	5.339381	7.508245	1.86549	5.561843	8.388127	3.435459	7.195892	5.351833	0.743734
CAVIN2	1	2.556803	1.364959	1.637115	1.232072	0.819984	11.19104	4.729247	3.364028	4.656252	2.482538	1.522186	5.28462	3.47173
CAVIN3	1	5.682975	2.485631	7.998455	8.731019	7.833258	19.92166	13.41782	0.932529	2.891259	5.248334	6.546268	8.482321	1.295749
CAVIN4	1	4.134402	4.396523	3.475027	4.413572	4.795678	0.98969	1.551994	0.825822	1.011358	0.498654	4.24304	0.975504	0.229907
CBARP	1	1.825269	3.193862	5.074157	6.275113	3.737564	2.939148	1.726192	0.976292	1.935586	10.90869	4.021193	3.697182	0.919424
CBFA2T2	1	5.31671	5.133829	6.739092	6.924177	4.906239	3.153902	6.039828	5.556199	4.253882	4.156578	5.80401	4.632078	0.798082
CBFA2T3	1	2.498868	2.64883	9.059515	5.539985	2.82265	2.494031	0.959845	0.171361	1.521054	1.439761	4.51397	1.317211	0.291808
CBFB	1	4.236007	3.485503	4.339093	4.864729	4.018209	6.016206	3.597865	3.972181	17.40908	7.758286	4.188708	7.750724	1.850385
CBL	1	6.759563	5.942131	8.131592	8.264388	2.914211	2.477267	3.043895	3.921212	3.962872	4.151717	6.402377	3.511392	0.548451
CBLB	1	1.164192	0.907432	0.65446	0.451094	0.935536	2.331563	2.21463	1.733994	1.535459	0.180743	0.822543	1.599278	1.94431
CBLC	1	0.133198	0.02507	0.096966	0	0.060242	0.058089	0.047173	0	1.43455	0.129161	0.063095	0.333795	5.290324
CBLL1	1	5.149153	6.448283	5.627057	4.711838	3.171353	4.946136	8.358352	7.419065	9.123128	6.056267	5.021537	7.18059	1.429959
CBLN1	1	2.68073	1.282178	88.88675	7.102486	0.342335	1.237865	3.250308	496.6293	406.785	504.4495	20.0589	282.4704	14.08205
CBLN2	1	21.78725	19.01173	8.933645	16.70781	26.03759	7.108053	9.899045	0.687683	0.328493	0.046213	18.4956	3.613897	0.195392
CBLN3	1	0.595588	0.20178	51.11913	0.499416	0.215497	0.415588	4.80926	275.5795	159.2857	551.7309	10.52628	198.3642	18.84466
CBLN4	1	4.834682	5.691933	4.574036	6.061078	12.5089	1.792615	3.701772	0.151761	0.961291	0.276572	6.734126	1.376802	0.204451
CBR1	1	5.916254	6.702074	1.771085	2.141568	7.002079	11.86383	7.715368	3.524849	0.57168	1.164243	4.706612	4.967993	1.055535
CBR3	0.078588	0.739689	0.448229	0.472815	0.864457	2.203104	14.44557	6.478889	7.366976	10.16604	39.34751	0.945659	15.561	16.45519
CBR4	1	12.37349	13.13207	7.409793	7.956852	8.724883	2.789333	5.005298	5.584031	4.088639	2.743786	9.919417	4.042217	0.407506
CBS	1	5.220245	3.854878	6.814277	6.980055	6.27792	2.791239	3.258409	2.39503	6.203857	7.935245	5.829475	4.516756	0.774813
CBWD2	1	4.174728	5.104377	3.168723	2.862261	5.591235	5.50427	7.667644	5.143758	7.444895	7.423961	4.180265	6.636906	1.587676
CBX1	1	0.474346	0.517523	1.176421	1.329048	0.763604	0.462822	0.495438	0.498679	0.831253	1.790878	0.852188	0.815814	0.957317
CBX2	1	0.101836	0.172506	0.282284	0.220518	0.488925	0.594433	0.449438	1.164105	0.587199	0.345081	0.253214	0.628051	2.480322
CBX3	1	21.79127	17.28866	13.41344	14.08925	32.92311	12.74597	13.53318	15.18893	16.22735	8.109931	19.90114	13.16107	0.661322
CBX4	1	9.045667	8.38159	11.27028	14.38845	9.919389	7.954494	8.192807	6.764293	7.206075	15.08622	10.60108	9.040777	0.852817
CBX5	1	22.46071	22.15035	26.96498	25.12561	17.61029	29.27866	22.48583	21.32792	24.69963	16.60113	22.86239	22.87863	1.000711
CBX6	1	24.32167	21.18505	32.93827	41.07599	14.1848	39.07001	21.98622	15.79793	11.33357	20.60894	26.74115	21.75933	0.813702
CBX7	1	10.56133	9.740711	19.1126	20.94961	17.59601	36.54617	13.4515	13.84048	10.70743	23.77566	15.59205	19.66425	1.261171
CBX8	1	1.766982	1.814058	2.192625	1.956304	0.980797	4.903817	1.251583	4.635857	2.629675	3.805157	1.742153	3.445218	1.977563
CBY1	0.145765	10.59296	9.928217	7.180383	11.37284	25.15258	3.205507	2.335169	2.397806	2.933665	3.743416	12.84539	2.923113	0.227561
CBY3	1	0	0	0.048369	0.212241	0	0	0	0	0.457973	1.251749	0.052122	0.341944	6.56048
CC2D1A	1	8.480365	7.532999	12.59727	15.47125	7.151537	6.386074	5.142445	6.506201	8.296282	14.41255	10.24668	8.14871	0.795253
CC2D1B	1	5.563721	4.59055	3.943141	4.009625	5.515443	5.885419	6.387086	5.374335	4.682747	6.475152	4.724496	5.760948	1.219378
CC2D2A	1	3.75027	3.061351	1.483309	1.842956	1.891159	2.88987	3.369626	3.854049	3.297408	2.213877	2.405809	3.124966	1.298925
CC2D2B	1	1.081823	0.781397	0.967451	0.34426	0.844452	1.187868	0.976317	0.548774	1.107171	0.36819	0.803876	0.837664	1.042031
CCAR1	1	24.65681	26.07888	19.29744	19.47031	19.80579	13.3407	17.20822	26.50129	23.89003	17.30288	21.86185	19.64862	0.898763
CCAR2	1	26.09252	23.48613	32.1715	36.11836	35.47621	32.80124	37.25231	53.52856	28.48787	45.23636	30.66894	39.46127	1.286685
CCBE1	1	0.390199	0.336288	0.291535	0.073803	0.05573	0.107476	0.327297	0.13269	0.212335	1.177795	0.229511	0.391519	1.705882
CCDC102A	1	1.109107	0.857787	1.218463	1.70704	1.495756	0.527666	0.51421	0.138978	0.590743	1.765488	1.277631	0.707417	0.553694
CCDC102B	1	0.174256	0.054663	0.084571	0.092773	0	0.303979	0.102857	0.075059	0.350326	0	0.081253	0.166444	2.048479
CCDC103	1	0.207409	0.046846	0.249135	0.633557	0.056284	0.705535	0.72721	0.134009	0.107223	1.223979	0.238646	0.579591	2.428664

CCDC105	1	0.29126	0.146187	0.047119	0.219677	0.439102	0.225816	0.045845	0	0.223068	0.5559	0.228669	0.210126	0.918909
CCDC106	1	10.10767	10.63468	17.81065	22.87935	20.18421	11.60809	7.39463	5.766905	5.287099	16.64777	16.32331	9.3409	0.572243
CCDC107	1	6.282183	3.70793	3.872207	4.745976	14.84998	29.78379	15.58196	14.70852	3.621086	6.622443	6.691655	14.06356	2.101656
CCDC110	1	0.074257	0.503154	0.405437	0.511475	0.100755	0	0	0.127942	0.191941	0.637774	0.319016	0.191532	0.600383
CCDC112	1	12.45707	12.87227	4.33134	4.83599	4.654088	7.091698	4.859199	12.02053	8.574308	8.37698	7.830151	8.184542	1.04526
CCDC113	1	0.027538	0.155494	0.541276	0.626763	0	2.810245	1.228852	0.427022	2.064238	2.105754	0.270214	1.727222	6.392046
CCDC114	1	0.841429	1.099705	1.558903	1.387336	1.731763	1.855396	1.225479	2.345663	3.103568	2.090245	1.323827	2.12407	1.604492
CCDC115	1	18.11977	20.32523	16.47128	19.77779	60.69076	9.286914	5.027833	6.834455	4.317126	12.84087	27.07697	7.661439	0.28295
CCDC116	0.066871	1.025477	0.987123	1.493068	1.579388	1.603427	0.127778	0.06226	0.01262	0.176712	0.235409	1.337697	0.122956	0.091916
CCDC117	1	7.8423	9.785152	7.396109	8.41483	9.084975	4.658608	8.275704	9.715125	7.953306	4.543882	8.504673	7.029325	0.826525
CCDC12	1	11.24111	11.66257	7.484801	8.183397	9.114203	18.77248	16.70134	13.28598	12.28394	17.73696	9.537216	15.75614	1.652069
CCDC120	1	0.859761	1.000003	1.995742	1.584939	2.67539	1.091174	0.754847	3.339657	1.876335	4.480185	1.623167	2.30844	1.422183
CCDC121	1	0.634219	0.742037	0.97332	0.800793	0.604697	0.059803	0.048565	0.354401	0.945206	0.721852	0.751013	0.425965	0.567187
CCDC122	0.028742	0.068294	0.051417	0	0	0.247104	3.69319	1.064225	1.470852	7.178802	3.859938	0.073363	3.453401	47.07287
CCDC124	1	22.96318	18.84781	19.819	26.98755	17.72002	51.51782	34.29106	14.17395	28.04606	59.78385	21.26751	37.56255	1.766194
CCDC125	0.031568	1.018079	0.484094	1.170234	1.198155	0.896676	6.402877	6.4901	6.462517	14.81978	7.942343	0.953448	8.423524	8.834805
CCDC126	1	3.336777	3.728239	2.552907	2.562899	2.441559	3.040171	12.61534	10.1617	6.921946	5.240641	2.924476	7.595958	2.597374
CCDC127	1	11.59274	12.31864	9.238633	10.35906	16.78975	5.678175	8.302819	6.292596	2.403888	7.622511	12.05976	6.059998	0.502497
CCDC129	1	0.874061	0.992251	1.928905	1.052515	0.024837	2.586487	4.171714	0.496735	0	0.228217	0.974514	1.496631	1.535772
CCDC13	1	1.324754	1.213778	1.166837	1.1827	1.950088	0.130809	0.411632	0.234172	0.032304	0.114264	1.367631	0.184636	0.135004
CCDC130	1	6.937403	5.634365	6.537767	8.338732	8.929375	1.927186	3.054345	4.45163	7.983394	6.911468	7.275528	4.865605	0.668763
CCDC134	1	1.745585	1.912746	6.416724	6.286878	4.31484	5.577608	9.242595	17.47968	8.577308	7.067615	4.135355	9.588961	2.318776
CCDC136	1	13.48461	19.8543	26.023	21.02856	25.59588	60.58662	54.43162	26.51251	24.56229	48.4558	21.19727	42.90977	2.024306
CCDC137	1	9.110608	11.28334	9.978662	17.22207	9.535733	6.001863	5.400407	5.501145	2.893264	4.987283	11.42608	4.956792	0.433814
CCDC138	1	1.884048	2.206192	2.400837	1.102663	2.578807	6.411496	4.86894	9.233538	1.917158	1.497155	2.034509	4.785658	2.352242
CCDC14	1	1.713875	1.687926	1.749652	1.943226	2.26055	1.814713	1.541454	1.668755	1.030246	0.940843	1.871046	1.399202	0.747818
CCDC141	1	1.354704	1.232726	1.649999	0.795792	0.21209	3.817481	1.865604	2.524871	1.346794	0.36378	1.049062	1.983706	1.890933
CCDC142	1	0.949262	0.81145	2.533851	1.776742	0.572441	2.311406	3.0257	8.859186	2.828536	3.353228	1.328749	4.075611	3.067255
CCDC146	1	0.06603	0.079895	0.061803	0.28814	0.179184	0	0	0.024379	0.243823	0.078403	0.13501	0.069321	0.513449
CCDC148	1	6.065874	5.117404	1.254214	1.945555	1.071412	1.643587	0.62923	0.695721	6.216009	1.610975	3.090892	2.159104	0.698538
CCDC149	1	3.82841	4.15675	4.938466	4.115763	4.252776	20.95573	10.2574	5.73042	5.763725	4.964934	4.258433	9.534443	2.238955
CCDC15	1	3.046828	2.894076	2.091634	2.092791	1.285195	1.101558	1.207652	1.79519	2.965214	3.350321	2.282105	2.083987	0.913186
CCDC150	1	1.001207	1.308759	0.929103	1.418999	2.010341	0.383857	0.366275	0.815129	0.606696	0.975437	1.333682	0.629479	0.471986
CCDC151	1	0.496099	0.378349	0.478411	0.524813	0.489545	7.822459	8.406097	5.744648	0.799372	2.217001	0.473443	4.997916	10.55652
CCDC152	1	0.023894	0.188887	0.026092	0.028623	0.162103	0	0.050774	0.030877	0.247049	0.774544	0.08592	0.220649	2.568077
CCDC153	1	4.045802	2.512078	1.923677	3.576709	6.279488	0.312517	0.919988	0.270085	3.009955	0.44671	3.667551	0.991851	0.27044
CCDC154	1	0.013458	0.083591	0.044088	0.056425	0	0.105647	0.057196	0.521728	0.347869	0.313208	0.039513	0.26913	6.811246
CCDC155	1	0.079604	0.173373	1.899956	0.279261	0.277739	0.297567	0.265815	1.131527	0.734865	0.87904	0.541987	0.661763	1.220994
CCDC157	1	0.781342	0.501901	0.861038	1.073354	0.408499	0.412653	0.624521	0.37052	1.222894	1.668249	0.725227	0.859767	1.185515
CCDC158	0.345979	10.2375	8.398226	3.392439	4.099441	6.138473	0.99074	0.58795	0.125454	2.961143	0.161386	6.453215	0.965335	0.14959
CCDC159	3.93E-07	0.48614	0.638634	0.866703	0.736844	0.888457	5.659392	6.282467	14.17939	10.71943	9.450138	0.723355	9.258163	12.79891
CCDC160	1	2.482055	2.440945	1.558454	2.267094	5.191933	3.193229	1.604248	0.588017	1.871235	1.73636	2.788096	1.798618	0.645106
CCDC162P	1	0.035607	0.021446	0.02865	0.021102	0.010171	0.020269	0.069557	0.105264	0.098174	0.009346	0.023395	0.060522	2.586918
CCDC163	1	1.126853	0.947351	0.738301	0.674925	1.427024	0.327622	0.266056	0.420664	0.453088	14.59019	0.982891	3.211524	3.267427
CCDC166	1	0	0	1.049208	0.321202	0	0.292345	0.142445	0.923986	0.46206	1.337208	0.274082	0.631609	2.304453
CCDC167	1	13.57559	14.00172	6.626655	9.243402	39.608	59.27306	16.28575	12.30353	10.00653	25.43698	16.61107	24.66117	1.484622

CCDC168	1	0.016519	0.063736	0.320173	0.103884	0.031752	0.068437	0.043876	0.160092	0.192138	0.204801	0.107213	0.133869	1.248629
CCDC169	1	0.028546	0.040968	0.048056	0.059129	0.004842	0.034235	0.012637	0.029203	0.043042	0.032624	0.036308	0.030348	0.835852
CCDC17	5.17E-08	3.080007	3.327275	4.745131	5.302615	9.044918	0.174931	0.446471	0.518332	0.271547	0.127008	5.099989	0.307658	0.060325
CCDC170	1	0.099156	0.10783	0.761945	0.677477	0.289008	0.307506	0.468226	0.541	0.94926	1.745981	0.387083	0.802394	2.072925
CCDC171	1	0.520468	0.76907	0.910477	0.719622	0.302151	0.569148	1.271039	2.58986	2.958358	2.044608	0.644358	1.886603	2.927881
CCDC172	1	0	0	0	0	0	0.363687	0.18459	0	0	0.115523	0	0.13276	#DIV/0!
CCDC173	1	1.290357	1.217667	0.463248	0.571701	1.295114	3.515188	1.258289	2.306988	2.558616	0.558289	0.967617	2.039474	2.107728
CCDC174	1	5.174726	4.706839	4.950504	4.426732	2.915346	2.531488	3.478093	4.913412	2.849612	4.656366	4.434829	3.685794	0.831102
CCDC175	1	0.846706	0.865842	0.655219	0.511125	0.54276	0.418686	0.056668	0.223996	1.895623	2.571197	0.68433	1.033234	1.509846
CCDC177	1	3.194075	3.42332	2.452169	2.236105	2.996465	1.362556	2.020367	2.234952	1.033515	1.673264	2.860427	1.664931	0.582057
CCDC178	1	0.022614	0.051076	0.024694	0.027089	0.030683	0.266279	0	0	0.204585	0.037592	0.031231	0.101691	3.256067
CCDC179	1	0.651831	1.058168	0.088973	0.195206	0.442214	0	0	0	6.528853	11.44511	0.487278	3.594792	7.377287
CCDC18	1	6.243242	5.980517	1.010359	0.62345	0.31989	0.547071	0.458446	0.603565	1.839704	1.046339	2.835492	0.899025	0.317061
CCDC180	1	0.017208	0.058299	0.353268	0.263852	0	0.810499	0.438795	1.01399	3.66513	1.052684	0.138526	1.39622	10.07915
CCDC181	1	12.30884	14.49306	3.116466	4.830346	7.969548	3.517115	6.651404	1.261039	2.332072	1.331445	8.543652	3.018615	0.353317
CCDC182	1	0	0.047715	0	0	0	0	0	0	0	0	0.009543	0	0
CCDC183	1	1.641685	1.179796	2.229452	2.452843	2.462397	0.093725	0.038056	0.431998	0.864123	0.952679	1.993235	0.476116	0.238866
CCDC184	1	8.939939	9.90373	14.49578	13.10755	27.22125	14.77441	11.35986	5.278132	3.001727	3.827623	14.73365	7.648351	0.519108
CCDC185	1	0	0.040886	0	0	0	0	0.076932	0	0	9.238137	0.008177	1.863014	227.833
CCDC186	1	4.719406	5.747665	4.12923	3.222206	1.729276	2.27831	4.455621	6.32137	7.773752	3.314294	3.909557	4.828669	1.235094
CCDC188	3.23E-09	0.360347	0.447234	0.857112	1.448832	1.045637	0	0	0	0	0	0.831833	0	0
CCDC189	1	0.493272	0.57081	1.063987	0.663837	2.412746	0.669266	0.504679	2.297849	0.440747	1.062941	1.04093	0.995096	0.955968
CCDC190	4.95E-16	7.912361	5.134317	4.304091	4.73324	7.01598	0	0.020732	0	0	0.016218	5.819998	0.00739	0.00127
CCDC191	1	3.278162	3.175164	1.358583	1.284451	1.3105	3.533945	4.174339	5.701034	6.727987	2.83015	2.081372	4.593491	2.206953
CCDC192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CCDC194	1	0.155146	0.018443	0.107	0.039126	0.199429	0.619632	0.251597	0.601451	0.569878	0.176461	0.103829	0.443804	4.274378
CCDC196	1	0.007423	0.067065	0	0	0	0	0	0	0	0	0.014898	0	0
CCDC197	1	0	0.01319	0	0	0	0	0	0.030185	0	0	0.002638	0.006037	2.288524
CCDC198	1	0.105659	0.089491	0.057689	0.021095	0.047787	0.230395	0	0	0.045518	0	0.064344	0.055183	0.857617
CCDC22	1	4.593416	3.37547	6.207646	7.121932	3.536176	6.478555	5.538029	6.419829	4.462957	10.0592	4.966928	6.591715	1.327121
CCDC24	1	0.707397	0.258788	0.500469	0.572881	1.865567	1.616383	0.931549	0.720991	2.987396	2.881854	0.78102	1.827635	2.34006
CCDC25	1	31.1312	28.47143	16.00423	18.38001	20.63738	10.44325	14.15156	11.16599	15.74572	10.71355	22.92485	12.44401	0.542818
CCDC27	0.010903	0	0.018703	0.03617	0.019839	0	0	0	0	0	0	0.014942	0	0
CCDC28A	1	5.17087	5.233136	3.594379	4.446367	14.44382	18.26455	10.11972	8.175158	5.249758	5.432955	6.577714	9.44843	1.436431
CCDC28B	1	10.90254	10.35452	6.352331	9.045149	27.49504	22.27827	8.595661	21.70525	13.44328	25.36032	12.82992	18.27656	1.424527
CCDC3	1	18.87482	20.3933	29.7959	29.85528	39.17981	0.340353	0.78312	16.9762	0.859207	8.696939	27.61982	5.531164	0.200261
CCDC30	1	1.586038	2.198757	1.998679	1.183619	1.355508	2.098916	2.66521	2.591338	1.809488	1.818293	1.66452	2.196649	1.319689
CCDC32	1	20.24058	17.39797	11.107	12.35135	37.31556	25.15551	35.56196	21.40963	13.16968	14.96091	19.68249	22.05154	1.120363
CCDC33	1	0	0	0.277478	0.147206	0	0	0	0	0.032302	0	0.084937	0.00646	0.076062
CCDC34	1	4.002739	3.101659	1.414369	1.523512	2.413804	3.225855	0.994809	0.867112	1.048753	0.402087	2.491216	1.307723	0.524934
CCDC36	1	0.107524	0.026984	0.052184	0.143114	0.097262	0.062523	0	0	0.308812	0.456782	0.085414	0.165623	1.939077
CCDC38	1	0	0.099434	0	0.021095	0	0.092158	0.05613	0.045512	0.091036	0	0.024106	0.056967	2.363214
CCDC39	1	0.256627	0.201093	0.812099	0.614823	0.113698	0.219267	0.189192	0.406063	3.276055	0.705194	0.399668	0.959154	2.399879
CCDC40	1	0.869959	0.876499	1.480848	1.20048	0.393464	2.298708	2.138599	1.92874	4.321006	3.544515	0.96425	2.846313	2.951842
CCDC42	1	0	0.310988	0.090213	0.065975	0.298916	0.144115	0.058517	0.07117	0.142361	0.091555	0.153218	0.101544	0.662738
CCDC43	1	14.05691	11.1428	10.08372	10.32366	11.14723	12.25357	11.10313	9.427351	15.67207	17.39912	11.35086	13.17105	1.160357

CCDC47	1	56.82696	48.68834	48.18582	47.99252	14.94393	16.85046	43.2246	27.53738	49.65796	36.43835	43.32751	34.74175	0.80184
CCDC50	1	4.54113	4.73935	6.270291	5.046194	3.000843	10.10378	5.084857	4.966255	7.790189	3.61246	4.719561	6.311508	1.337308
CCDC51	1	6.912832	5.699583	10.62159	14.28078	19.85897	8.484014	9.408379	11.22543	4.78336	7.728752	11.47475	8.325986	0.725592
CCDC54	1	0	0.280094	0.060186	0	0.074784	0	0	0	0	0	0.083013	0	0
CCDC57	1	0.976175	1.114254	2.017309	1.710024	1.239057	0.480652	0.289959	0.847739	0.718987	0.296628	1.411364	0.526793	0.373251
CCDC58	1	5.718277	6.580104	2.545048	2.921753	10.44307	8.367826	4.664621	4.202434	7.985787	6.39719	5.641651	6.323572	1.120873
CCDC59	1	14.37168	14.96704	9.994489	12.30356	21.48838	13.99288	19.64008	12.22589	12.82576	16.45412	14.62503	15.02775	1.027536
CCDC6	1	16.82395	18.56303	20.66148	26.80514	16.87845	9.311696	13.0247	15.43846	7.635777	7.878838	19.94641	10.65789	0.534326
CCDC60	1	0.065782	0.074288	0.560298	0.346722	0.071405	0.998357	0.824728	2.227143	0.646135	0.732661	0.223699	1.085805	4.853863
CCDC61	1	3.447243	4.14827	7.055532	8.766579	7.258826	3.696834	3.002138	3.602629	6.768084	10.94425	6.13529	5.602788	0.913207
CCDC62	1	1.44091	1.239463	0.937372	0.822631	2.462566	5.422925	3.713321	8.034223	2.060357	2.160842	1.380588	4.278333	3.09892
CCDC63	1	0.019422	0.065799	0	0	0	0	0.04127	0.150584	0	0.064571	0.017044	0.051285	3.008932
CCDC65	1	5.645982	3.789534	1.535509	2.947772	4.769851	8.696934	7.356913	2.174992	2.312986	1.381263	3.73773	4.384618	1.17307
CCDC66	1	5.633642	7.145944	4.010583	3.579317	5.751948	8.861097	9.543894	12.78208	10.42667	4.930849	5.224287	9.308919	1.781854
CCDC68	0.06248	0.128448	0.072528	0.060112	0.047625	0.074692	4.977545	1.065784	1.288343	1.312246	0.228774	0.076681	1.774538	23.14175
CCDC69	1	0.411569	0.191383	0.978162	0.529268	0.328489	0.063349	0.720229	0.985466	1.439303	0.704288	0.487774	0.782527	1.604281
CCDC7	0.008957	0	0.285937	0	0.015165	0	1.325062	1.365253	2.298485	0.57266	0.720787	0.06022	1.256449	20.86419
CCDC70	1	0	0.735448	0	0	0	0	0	0	0	0	0.14709	0	0
CCDC71	1	2.682983	2.832037	3.802715	4.932397	5.676	6.99181	6.515661	3.198138	2.77401	5.843527	3.985226	5.064629	1.270851
CCDC71L	1	0.014888	0	0	0.004458	0	0.175303	0.015818	0.028857	0.153928	0.210361	0.003869	0.116854	30.20062
CCDC73	1	0	0.011682	0.203333	0.105331	0	0	0.120901	0.240619	3.048279	3.009372	0.064069	1.283834	20.03823
CCDC74B	1	0.173096	0.162898	0.252023	0.535655	0.6263	0	0	0	0	0.143871	0.349994	0.028774	0.082214
CCDC77	1	2.886814	2.503154	2.608837	2.718779	3.817883	1.875431	2.05888	4.579391	5.4549	2.327717	2.907093	3.259264	1.121142
CCDC78	1	2.190938	2.050721	3.25461	3.050108	5.249168	0	0.062914	0.076518	0.204079	0.213274	3.159109	0.111357	0.03525
CCDC8	1	1.67305	0.723594	1.337163	1.330406	0.946661	0.149032	0.347951	0.349592	0.625677	0.284034	1.202175	0.351257	0.292185
CCDC80	1	28.83685	17.11451	17.46012	17.13429	10.50781	5.633841	20.9251	9.15549	4.702443	3.703961	18.21072	8.824167	0.484559
CCDC81	1	0.048927	0.205226	0.076324	0.259554	0.075869	0.438942	1.396127	1.589637	0.3252	0.98761	0.13318	0.947503	7.114444
CCDC82	0.17009	7.432375	8.040454	5.410672	4.063425	4.353116	19.50816	29.36971	69.2672	34.97724	18.31487	5.860008	34.28744	5.85109
CCDC83	1	0	0.207099	0.047119	0.064611	0	0.112908	0.091691	0.724866	0	0.035865	0.063766	0.193066	3.02774
CCDC84	1	3.410458	3.429374	4.591422	4.048058	10.64943	5.13437	2.184043	4.990652	5.393909	9.293542	5.225749	5.399303	1.033211
CCDC85A	1	3.995046	3.816325	1.824874	3.671024	2.977258	4.530337	3.826566	0.44267	0.897434	0.965768	3.256906	2.132555	0.654779
CCDC85B	1	27.55699	23.29065	26.8653	47.55313	21.43394	10.02767	3.791922	2.381543	16.71104	64.75008	29.34	19.53245	0.665728
CCDC85C	1	3.008941	3.059239	12.96414	8.97831	5.45174	3.615573	2.50152	4.7105	4.769928	7.140122	6.692474	4.547529	0.679499
CCDC86	1	3.036193	3.049055	2.937479	4.134612	5.662793	1.190411	0.819604	0.562316	1.022542	6.017142	3.764026	1.922403	0.510731
CCDC87	1	0.318996	0.463171	0.385659	0.327534	0.092748	0.208676	1.222551	0.117775	0.382825	0.681785	0.317622	0.522723	1.64574
CCDC88A	1	20.61607	24.60555	13.4652	16.8096	6.732531	11.90654	26.33963	11.72744	9.942157	3.465997	16.44579	12.67635	0.770796
CCDC88B	1	0.133747	0.206688	0.538075	0.763127	0.038205	0.442068	0.097228	1.637343	7.096184	12.66122	0.335968	4.386809	13.05721
CCDC88C	1	1.97185	2.130562	2.581384	5.942608	3.623845	0.71373	0.205278	0.323098	0.675667	0.075571	3.25005	0.398668	0.122665
CCDC89	1	0.022917	0.181166	0.200204	0.192169	0.062191	0	0	0.118458	0.177713	0.457158	0.131729	0.150666	1.143753
CCDC9	1	5.195844	5.461992	7.279267	9.116947	3.159369	4.874286	4.255202	4.779878	6.328241	10.66106	6.042684	6.179733	1.02268
CCDC90B	1	10.5053	10.67485	4.135199	3.380317	12.39907	5.585765	4.4429	2.588448	4.497374	6.003396	8.218949	4.623576	0.562551
CCDC91	1	18.94872	19.23816	7.917434	8.946727	9.139413	19.32353	20.32869	12.5213	23.45555	12.0156	12.83809	17.52893	1.365385
CCDC92	1	22.86596	22.7603	24.16681	24.51987	27.17982	13.22999	9.126705	7.25698	13.61164	43.53654	24.29855	17.35237	0.714132
CCDC92B	1	1.557161	1.158044	2.322483	2.615988	0.206128	1.888214	1.291274	1.472339	0.981702	4.987638	1.571961	2.124233	1.351327
CCDC93	1	8.083258	9.686408	9.65099	9.222578	5.008996	4.345147	6.357352	4.930068	6.243297	5.406767	8.330446	5.456526	0.65501
CCDC96	1	1.448681	1.291196	1.078267	1.198414	1.304538	1.019922	0.234674	0.302209	1.209012	0.80993	1.264219	0.715149	0.565685

CCDC97	1	3.108146	2.552351	1.11824	1.308161	3.506228	1.17232	1.326031	0.940781	0.889219	1.675711	2.318625	1.200813	0.517899
CCDC9B	1	3.790693	2.916548	7.538351	8.823273	5.001173	5.338502	1.538969	3.321364	7.137591	4.277777	5.614008	4.322841	0.77001
CCER1	1	0.031129	0.011718	0	0	0	0	0	0	0	0	0.008569	0	0
CCER2	1	0.298388	0.277506	0.766667	0.946157	1.238405	23.42342	4.550306	5.443527	3.992501	6.71086	0.705425	8.824123	12.50895
CCHCR1	1	0.834205	1.152129	1.021725	1.046552	1.988436	2.507309	1.413324	2.272493	2.010575	4.806694	1.208609	2.602079	2.152953
CCIN	1	0	0.100757	0.077941	0	0	0	0	0	0	0	0.03574	0	0
CCK	1	65.58775	54.74034	23.85317	44.5263	170.8545	87.28777	84.04524	0	0	12.4137	71.91242	36.74934	0.511029
CCKAR	1	2.487878	1.046262	2.154184	2.195695	1.072836	1.212124	3.96284	1.455215	0	0.046468	1.791371	1.335329	0.745423
CCKBR	1	15.61225	11.49927	5.26836	13.55191	39.01782	5.20806	13.24642	4.814718	1.27588	1.535197	16.98992	5.216054	0.307009
CCL1	1	0.072935	0	0.079644	0.043684	0	1.145085	1.084889	1.979224	0	0	0.039253	0.84184	21.44662
CCL11	1	0	0	0	0.034479	0	0	0	0	0	0	0.006896	0	0
CCL14	1	2.114681	1.844292	4.709834	3.33575	9.31804	6.574348	0.133473	0.108223	0	0.243635	4.264519	1.411936	0.331089
CCL16	1	0.222581	0.229019	0.723761	0.681383	0.496632	0	0	0	0.230133	0.074001	0.470675	0.060827	0.129233
CCL17	1	0.061779	0.069768	0.134923	0.14801	0.335297	0	0	0	0	0	0.149955	0	0
CCL19	1	0.138434	0	0.100778	0.165829	1.001772	0.24149	0.19611	0	0	0.19177	0.281363	0.125874	0.447373
CCL2	1	2.512248	0	0.585953	0	0.066188	0.25529	1.503045	0.126073	0.756548	0.405456	0.632878	0.609282	0.962717
CCL20	1	0.044663	0.050438	0	0.053502	0.121201	0	0	0	0	0	0.053961	0	0
CCL21	0.894986	0	0	0	0	0	1.489189	0.372107	0.226285	0.226318	0.145548	0	0.491889	#DIV/0!
CCL22	1	0	0	0	0	0.050586	0.926771	0.673393	0.168619	0.048184	0	0.010117	0.363393	35.91855
CCL24	1	0.193333	0	0	0.066169	0.224846	0	0	0	0	0.11478	0.09687	0.022956	0.236978
CCL25	3.45E-10	5.672274	4.380552	4.778542	5.633131	15.30012	0.20402	0.134616	0.050377	0.226729	0.048604	7.152924	0.132869	0.018575
CCL26	1	0	0	0	0	0	0	0.228374	0	0.138899	0	0	0.073455	#DIV/0!
CCL27	1	2.907177	4.977904	4.176587	2.557935	9.192342	0	0.091115	0.531925	2.79301	0.57023	4.762389	0.797256	0.167407
CCL28	1	0.259192	0.15822	0.428373	0.268527	0.380195	0	0	0	0.072428	0.139739	0.298901	0.042434	0.141965
CCL3	1	1.110982	0.238979	0.11554	0.506986	0.287128	0	0	0	1.093976	0	0.451923	0.218795	0.484143
CCL4	1	4.176644	0.411525	0.61219	0.134313	0.304269	1.026874	0.714778	0.43467	0.579644	0.372777	1.127788	0.625748	0.554846
CCL5	1	0.487482	0.057949	0.392236	0.368811	2.088735	0	0	0.132618	0.530548	0	0.679043	0.132633	0.195324
CCL8	1	2.673274	0.153506	0.74216	0.325657	0.737734	2.015525	0.096281	0.644052	2.342349	0	0.926466	1.019641	1.100571
CCM2	1	11.93102	12.90433	13.90942	14.86824	21.28284	14.20912	5.736527	13.87376	11.50968	17.56372	14.97917	12.57856	0.839737
CCM2L	1	0.248049	0.108937	0.318159	0.214599	0.320535	1.679319	0.284463	0.447731	0.793821	0.490882	0.242056	0.739243	3.054017
CCNA1	1	0.624324	0.612586	0.134115	0.318766	0.472157	0.856994	0.608957	0.185159	0.529103	0.799643	0.432389	0.595971	1.37832
CCNA2	0.003735	0.145106	0.257509	0.271634	0.434554	0.618782	2.44089	3.061408	7.178927	9.859065	10.21717	0.345517	6.551492	18.96142
CCNB1	1	0.409114	0.317635	0.055843	0.091889	0	0	0.054334	0.033042	0.132186	0.08501	0.174896	0.060914	0.348289
CCNB1IP1	1	0.655772	0.776989	1.173918	0.798423	0.700151	0.731382	1.941738	2.750586	2.111868	0.303802	0.821051	1.567875	1.909596
CCNB2	1	0.244304	0.160938	0.133388	0.182907	1.353546	0	0.043261	0.105232	0.578858	0.203057	0.415016	0.186082	0.448372
CCNB3	1	0.50845	0.479992	0.303635	0.504386	0.226368	0.602857	1.494034	1.8171	3.059743	1.53195	0.404566	1.701137	4.204843
CCNC	1	8.016229	9.546562	2.986065	3.342201	13.71124	7.264339	9.055348	9.237668	7.750006	5.884052	7.52046	7.838283	1.042261
CCND1	1	9.453676	3.035009	4.48836	2.291412	0.686399	3.722974	3.997561	3.350274	0.408629	0.57815	3.990971	2.411518	0.604243
CCND2	1	13.96828	10.82561	7.491246	6.093073	3.149928	6.484179	13.74624	12.9772	9.304493	17.19273	8.305627	11.94097	1.437696
CCND3	1	7.900414	7.969689	18.32699	22.68384	15.92938	12.25368	7.61983	11.19297	11.00414	36.43251	14.56206	15.70062	1.078187
CCNDBP1	1	31.31199	26.60972	23.09344	22.94178	58.65273	29.44465	30.099	38.17788	24.35418	31.45621	32.52193	30.70638	0.944175
CCNE1	1	1.660114	2.377765	2.225484	1.754207	1.538294	4.767761	5.176767	6.767082	5.337702	6.226069	1.911173	5.655076	2.958956
CCNE2	1	3.13787	3.27448	4.35179	4.591488	1.77848	0.588957	0.562685	4.037714	4.96232	3.510472	3.426822	2.73243	0.797366
CCNF	1	0.845115	0.801691	0.643358	1.047068	2.987928	0.530732	0.533617	0.948546	0.773927	0.666307	1.265032	0.690626	0.545935
CCNG1	1	23.44366	16.92353	20.56148	22.25465	29.24554	34.71432	16.59405	14.56563	12.70224	6.780529	22.48577	17.07135	0.759207
CCNG2	1	10.16311	9.879873	5.974232	4.150169	8.505462	15.6854	10.3942	48.39318	33.75935	32.45273	7.734569	28.13697	3.63782

CCNH	1	4.81225	5.730544	4.498343	3.824351	8.358689	4.409664	12.31471	10.06573	17.13359	6.007455	5.444835	9.986231	1.834074
CCNI	1	115.9236	134.2884	107.7472	100.7679	147.9851	146.2542	93.56603	247.625	324.9785	329.7402	121.3424	228.4328	1.882547
CCNI2_1	1	0.366112	0.768875	0	0	3.398838	0.705888	0.354863	0.713796	0	0	0.906765	0.354909	0.391402
CCNI2_2	1	0.027741	0.031328	0	0.265849	0	0	0	0	0	0.276692	0.064984	0.055338	0.851572
CCNJ	1	2.487479	2.757451	1.644302	1.240726	1.569026	3.613634	3.190906	5.009693	5.246965	4.847239	1.939797	4.381687	2.258838
CCNJL	1	0.460397	0.4403	2.445784	1.286849	0.765377	0.54266	0.290852	1.136272	0.557498	0.751544	1.079742	0.655765	0.607335
CCNK	1	8.044104	8.854467	9.657961	10.74908	7.730356	5.785735	6.975687	11.55169	11.11508	6.855115	9.007193	8.45666	0.938879
CCNL1	1	3.32324	3.721654	3.995134	3.459622	3.091303	6.483776	4.735297	10.93827	14.28558	12.00702	3.518191	9.689988	2.754253
CCNL2	1	8.396993	8.694768	11.64895	11.52501	11.37729	9.686296	7.928909	16.7805	27.02389	27.59282	10.3286	17.80248	1.72361
CCNO	1	0	0	0.063167	0.023098	0	0.050455	0	0	0.049841	0.544909	0.017253	0.129041	7.4793
CCNQ	1	3.785107	4.015893	4.370201	4.779636	9.715433	12.74318	5.712181	4.268114	2.118788	5.410413	5.333254	6.050535	1.134492
CCNT1	1	5.244569	5.951803	7.592215	5.017724	0.512447	3.908101	6.766922	7.320648	6.522981	6.235457	4.863752	6.150822	1.264625
CCNT2	1	9.111588	10.80235	9.063854	8.381252	6.767834	11.43454	16.1142	30.71148	24.40052	22.16992	8.825375	20.96613	2.375665
CCNY	1	66.5734	60.4274	33.32666	54.04162	51.481	62.69806	46.6195	18.02174	17.01929	18.96762	53.17002	32.66524	0.614355
CCNYL1	1	3.923117	3.900165	4.090277	4.287024	4.969101	9.173407	8.003856	3.545979	2.34635	84.09478	4.233937	21.43287	5.062162
CCP110	1	17.23034	24.60758	31.41175	33.24297	20.41015	28.01074	40.87868	25.4778	20.03114	16.12924	25.38056	26.10552	1.028564
CCPG1	1	29.19368	26.87005	25.09993	29.39216	11.57331	17.12586	46.67589	49.70714	48.27078	22.05125	24.42582	36.76618	1.505218
CCR1	1	0.515986	0.299839	0.754909	1.134176	0.31267	0.550551	0.031935	0	0.258977	0.016655	0.603516	0.171624	0.284373
CCR10	1	0.068419	0.038633	0.560338	0.368811	0	0.179028	0.145386	0.088412	0.707398	2.957094	0.20724	0.815464	3.934875
CCR2	1	0.069018	0	0	0	0.066103	1.211053	0.526246	0.797427	0	0	0.027024	0.506945	18.75905
CCR3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CCR4	1	0.013473	0.015215	0.029424	0	0	0	0	0.034819	1.984989	0.929436	0.011622	0.589849	50.75178
CCR5	1	0.607085	0.408433	0.056419	0.030946	0	3.515061	1.838971	0.801179	0.200324	0	0.220577	1.271107	5.762656
CCR6	1	0.051323	0.021735	0.07706	0.088376	0.078341	0.302162	0.129506	0.04974	0.19899	0.021329	0.063367	0.140345	2.214809
CCR7	1	0.03499	0	0.038208	0.020957	0.023738	0.045779	0	0	0	0.029083	0.023579	0.014972	0.634989
CCR8	1	0.031649	0.116159	0.264958	0.208515	0.07157	0.055209	0.072856	0.020449	0.545375	0.017537	0.13857	0.142285	1.02681
CCR9	1	0.195054	0.177007	0.060856	0.083448	0.18904	0.036456	0.081416	0.018004	0.414147	0.02316	0.141081	0.114637	0.81256
CCRL2	1	0.222417	0.452118	0	0.085258	0.772565	1.303658	0.56715	0.574824	0.275956	0.118314	0.306472	0.56798	1.853288
CCS	1	7.884222	2.295103	10.76571	12.48326	22.17746	8.07111	7.595771	5.475904	8.345449	16.67627	11.12115	9.232901	0.830211
CCSAP	1	11.84408	15.34824	1.497207	1.173823	20.11699	21.08022	22.35333	27.47724	5.906714	8.865758	9.996068	17.13665	1.714339
CCSER1	1	0.8942	1.179645	0.609914	0.550053	0.298766	1.053973	1.940072	3.594902	2.901328	2.339052	0.706516	2.365865	3.348638
CCSER2	1	17.17788	18.75346	15.94251	15.15768	7.43457	25.12014	38.67454	16.10212	31.66418	12.84656	14.89322	24.88151	1.67066
CCT2	1	62.54452	65.62916	43.24934	49.43852	63.11856	98.38841	132.035	127.9756	156.0794	101.2347	56.79602	123.1426	2.168156
CCT3	1	65.36521	67.03906	58.52281	63.45687	76.50024	89.01515	112.4842	142.9122	95.13854	146.5574	66.17684	117.2215	1.771337
CCT4	1	64.98509	72.52718	51.9212	53.32741	48.32767	69.81284	135.6805	95.00764	94.9722	77.26616	58.21771	94.54788	1.62404
CCT5	1	33.51609	29.46365	29.49119	35.21629	30.05699	47.75529	66.88339	63.96622	48.28956	88.54908	31.54884	63.08871	1.999715
CCT6A	1	35.82746	40.82006	38.16788	37.65268	48.45107	43.82942	77.12374	58.84337	75.78719	53.63104	40.18383	61.84295	1.539001
CCT6B	1	0.594825	0.902994	0.489815	0.642452	0.608618	1.633005	0.953161	1.008061	1.4619	0.372826	0.647741	1.085791	1.676273
CCT7	1	66.80582	68.24711	52.65003	57.81997	73.90948	170.7431	160.5769	233.1851	159.9232	208.8074	63.88648	186.6471	2.921543
CCT8	1	42.07473	42.03648	28.81026	33.86061	60.95091	45.4189	93.9434	79.96229	55.23024	64.70522	41.5466	67.85201	1.633154
CCT8L2	1	0.017326	0.019566	0	0.186787	0.094032	0	0	0	0	0	0.063542	0	0
CCZ1	1	13.17542	15.52952	9.973394	10.89145	14.2066	23.52202	31.25359	26.28926	20.84306	13.66093	12.75528	23.11377	1.812095
CD101	1	0.105603	0.16398	0.108109	0.130455	0.286573	0.500845	0.343615	0.204694	0.290026	0.010972	0.158944	0.27003	1.698902
CD109	1	3.623419	1.292918	3.085563	2.801245	0.91442	0.828615	2.191254	1.741748	5.771692	0.280076	2.343513	2.162677	0.922836
CD14	1	1.425908	1.117046	2.160251	3.531584	2.143882	3.865577	5.036323	4.764172	3.088031	1.430743	2.075734	3.636969	1.752136
CD151	1	10.24598	7.288784	16.92089	14.54467	34.76922	5.265348	1.483476	3.750029	3.43213	6.371447	16.75391	4.060486	0.242361

CD160	1	0	0.029001	0.934747	0.604992	0	0	0	0	0.531032	1.77872	0.313748	0.46195	1.472361
CD163	1	1.002555	0.203355	0.914081	2.611786	0.898064	0.356572	0.424008	0.641473	0.45287	0.355969	1.125968	0.446178	0.396262
CD163L1	1	0.008433	0	0.036836	0.015153	0	0	0	0	0.043597	0.161217	0.012084	0.040963	3.389711
CD164	1	27.90056	20.91749	27.95372	20.66939	16.83252	21.19021	39.20231	35.40165	42.11915	24.86764	22.85474	32.55619	1.424483
CD164L2	1	0.704535	0.363719	1.494714	0.964523	3.987626	0.737412	0.513292	1.144522	0.8325	0.501931	1.503023	0.745931	0.496287
CD177	0.001627	0	0	0.013138	0.028824	0	0.598156	0.421838	0.373131	2.487902	2.780008	0.008392	1.332207	158.7381
CD180	1	0.369355	0.471521	0.648832	0.644435	0.30505	4.454198	2.951756	1.473367	1.867921	0.066738	0.487838	2.162796	4.433427
CD19	1	0.486035	0.387032	1.292829	1.61976	1.775494	0.13044	0.198615	0.338189	0.064426	0.134659	1.11223	0.173266	0.155782
CD1A	1	0.05551	0	0	0.022165	0	0	0	0	0	0	0.015535	0	0
CD1B	1	0.043075	0.121613	0	0.0258	0.116893	0	0.022883	0	0.055671	0.107409	0.061476	0.037193	0.604991
CD1B5	0.373098	0	0	0	0	0	0.40807	0.402398	0.057578	0.172759	0.314793	0	0.27112	#DIV/0!
CD1D	1	1.222488	0.842999	2.339086	1.930949	0.52844	0	0	0	0.391493	0.197823	1.372793	0.117863	0.085857
CD1E	1	0.184629	0.139002	0.044803	0.073722	0.111338	0.161037	0.065388	0	0.159078	0.017051	0.110699	0.080511	0.727296
CD2	1	0.106777	0	0.129554	0.056848	0.128781	0.248355	0.126053	0.061324	0.061333	0	0.084392	0.099413	1.177993
CD200	1	6.560626	8.379428	5.175662	5.605102	7.067932	3.605754	3.68435	6.349776	6.438768	4.140862	6.55775	4.843902	0.738653
CD200R1L	1	0.243628	0.056645	0.062597	0.085836	0	0.074999	0.42634	0.648163	0.11113	0.083381	0.089741	0.268802	2.995309
CD207	1	0	0.014443	0	0.01532	0	0	0	0	0.099173	0	0.005953	0.019835	3.332098
CD209	1	0	0	0.105171	0.548016	0	0.504033	0	0.062228	0.746849	0.120077	0.130637	0.286638	2.194146
CD22	1	0.097662	0.023976	0.055641	0.081384	0.046091	0.111108	0	0	0.065854	0.04941	0.060951	0.045274	0.742803
CD226	1	0.09902	0.130462	0.187423	0.193739	0	0.051821	0.105207	0.503295	0.56309	0.131684	0.122129	0.271019	2.219126
CD24	1	10.46699	13.0362	7.290542	6.047016	12.69218	76.98162	102.2701	17.65235	0.93536	1.834707	9.906586	39.93484	4.03114
CD244	1	0.786935	0.433508	0.104795	0.195431	0.390637	0	0.061178	0	0	0	0.382261	0.012236	0.032008
CD247	1	16.40409	13.9838	6.581212	8.096558	26.11603	18.04696	21.57761	13.73876	16.18173	41.59151	14.23634	22.22731	1.561308
CD248	1	0.46828	0.112176	0.976219	0.841425	0.423586	1.373857	0.391998	0.18337	0.073359	0.884589	0.564338	0.581435	1.030296
CD27	1	0.029376	0	0	0.093837	0	0	0	0	0	0.032555	0.024643	0.006511	0.264216
CD274	1	0.245813	0.18805	0.077929	0.028496	0.161384	0.394225	0.412817	0.174192	0.143473	0	0.140334	0.224941	1.602896
CD276	1	3.66952	3.056661	4.065455	4.498219	4.325722	2.127535	1.841403	1.119791	1.106128	1.227107	3.923115	1.484393	0.378371
CD28	1	0.026825	0.071947	0.043939	0.040167	0.072794	0.035096	0.01425	0	0	0	0.051134	0.009869	0.193007
CD2AP	1	4.376003	4.586786	5.969634	3.900745	2.620517	2.73671	3.006426	4.958284	6.053635	4.410491	4.290737	4.233109	0.986569
CD2BP2	1	6.708326	6.154011	5.937328	7.066896	9.489946	23.4258	19.74743	16.01695	13.58259	20.14949	7.071301	18.58445	2.628152
CD300A	1	0.250635	0.358521	0.109475	0.300234	0.090685	0.262331	0	0	0	0	0.22191	0.052466	0.23643
CD300C	1	0	0	0	0	0	0.096124	0	0	0	0	0	0.019225	#DIV/0!
CD300E	1	0.070442	0.403871	0.071004	0.149291	0	0	0	0	0	0	0.138922	0	0
CD300LB	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CD300LF	1	0	0.010207	0	0	0	0.141896	0.134436	0.140149	0.046723	0.015024	0.002041	0.095646	46.85468
CD300LG	1	1.067702	0.313498	1.177569	0.95285	0.6664	0.195567	0	0	0.331178	0.328352	0.835604	0.17102	0.204666
CD302	1	9.645663	5.612098	8.021387	6.641718	4.426213	5.496184	8.839448	8.203412	24.05269	8.075674	6.869416	10.93348	1.591617
CD320	1	5.882376	5.622428	9.760756	10.31381	23.54295	1.891779	1.501367	1.019173	5.266494	3.523527	11.02446	2.640468	0.23951
CD34	1	3.279566	2.414284	7.095505	7.269694	8.837284	21.0528	3.403044	2.416014	3.287842	1.375671	5.779267	6.307074	1.091328
CD36	1	0.707822	0.36676	1.121503	0.442236	0.180781	1.263808	0.047187	0.035869	0.688788	0.073828	0.56382	0.421896	0.748281
CD37	1	0.975441	0.854951	2.511876	2.877587	3.160628	13.25725	2.846182	3.837898	6.322163	2.468565	2.076097	5.746411	2.767892
CD38	1	3.487307	2.532797	7.54347	9.415148	7.928311	0.348287	0.74952	0.739596	2.373931	0.398272	6.181407	0.921921	0.149144
CD3D	1	0.126216	0.085522	0.16539	0.226789	0.205505	0	0.05364	0.065239	0.065249	0	0.161884	0.036826	0.227482
CD3E	1	0.340954	0.032087	0.403341	0.170178	0.308412	0	0	0	0.146884	0	0.250994	0.029377	0.117042
CD3EAP	1	4.819098	3.544037	3.607263	5.004617	5.404994	8.033765	4.356274	2.059041	2.712302	4.183137	4.476002	4.268904	0.953731
CD3G	1	0.033359	0.018836	0.145708	0.11988	0	0.174576	4.288561	0.043107	0	0.138633	0.063556	0.928975	14.61653

CD4	1	0.191251	0.037025	3.067004	0.065457	0.177941	0	0	0.677867	0.677966	5.568203	0.707736	1.384807	1.956673
CD40	1	0.482212	0.573226	0.27714	0.212814	0.619846	2.457163	1.941491	2.098946	0.787219	1.286774	0.433048	1.714318	3.95873
CD44	1	3.469237	0.57266	7.630701	7.333726	1.493545	5.631166	2.890963	5.226198	22.02676	14.08348	4.099974	9.971712	2.43214
CD46	1.38E-09	18.52089	16.72142	16.15072	16.04634	11.88179	1.835718	2.814899	2.111744	3.114742	2.106035	15.86423	2.396628	0.151071
CD47	1	53.18373	71.00432	38.47672	40.30315	43.46188	14.35226	69.22988	48.19876	66.60174	64.22383	49.28596	52.52129	1.065644
CD48	1	0.279715	0.045126	0.130904	0.454737	0.433746	0	0	0	0.103288	0	0.268846	0.020658	0.076838
CD5	1	0.019223	0.043417	0.083965	0.149676	0.31299	0	0	0	0.099376	0.095865	0.121854	0.039048	0.320451
CD52	1	0.964577	0.19223	0.185876	0.067968	0.769866	2.672443	0	0.439923	0.146662	0.518763	0.436103	0.755558	1.73252
CD53	1	2.019699	1.690981	2.661776	2.878234	1.480446	37.78381	12.18465	7.409713	7.620813	1.177024	2.146227	13.2352	6.166729
CD55	1	2.063498	0.111787	0.515515	0.830031	0.361601	0.199243	0.275063	0.462455	0.531409	0.113919	0.776487	0.316418	0.407499
CD58	2.00E-08	6.295688	5.21047	8.333506	10.05269	4.675445	0.412291	0.320257	0.132787	0.371858	0.142349	6.913559	0.275909	0.039908
CD59	1	32.81516	25.21029	25.92666	28.01929	63.89896	27.96479	28.80311	31.76856	73.817	75.08114	35.17407	47.48692	1.350055
CD5L	1	0	0.017399	0.100943	0.166101	0.104522	0	0.065477	0	0	0.025611	0.077793	0.018218	0.234181
CD6	1	0.023072	0.065139	0.075584	0.041457	0.062611	0.060373	0.024514	0.387589	0.626197	0.335597	0.053573	0.286854	5.354483
CD63	1	67.83212	41.32082	69.68015	76.06802	163.3283	148.3548	86.62476	70.18041	70.93307	116.0653	83.64587	98.43166	1.176766
CD68	1	1.392229	0.705909	2.513127	1.99108	1.156546	8.252498	4.256496	2.496666	3.745543	3.400675	1.551778	4.430376	2.855032
CD69	1	0.099428	0.024952	0.048255	0.039701	0.059959	1.156312	0.821644	0.199863	1.484911	0.03673	0.054459	0.739892	13.58618
CD7	1	0.030049	0	0	0	0	0	0	0	0.155345	4.570621	0.00601	0.945193	157.2732
CD70	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CD72	1	0.123855	0.038146	0.196723	0.134877	0.611093	0.058925	0	0	0.174623	0.13102	0.220939	0.072913	0.330017
CD74	1	39.86899	48.60695	93.11901	82.36186	116.6438	63.3308	14.29153	11.09102	65.84014	16.16618	76.12012	34.14393	0.448553
CD79A	1	0.050897	0.022991	0	0.024388	0	0	0	0	0	0.067686	0.019655	0.013537	0.688736
CD79B	1	0.130928	0.164286	0.127085	0.24397	0.315818	0	0	0.075195	0	0	0.196417	0.015039	0.076566
CD80	1	0.063506	0.191248	0.573272	0.405726	0.11489	0.908419	0.656744	0.382965	1.13812	0.950115	0.269728	0.807273	2.99291
CD81	1	59.00758	56.01153	142.2483	175.0629	146.1435	213.3617	209.2576	260.415	161.2732	168.1938	115.6948	202.5002	1.750297
CD82	1	8.721916	7.988624	14.17589	17.29216	22.33944	13.34353	7.58194	7.111959	6.670943	26.02536	14.10361	12.14675	0.861251
CD83	1	9.895948	7.643884	8.981761	7.65654	12.92729	13.04807	16.27652	11.16022	7.795576	24.56873	9.421084	14.56982	1.546513
CD84	1	0.100736	0.362614	0.247503	0.294134	0.136682	1.614495	2.742617	1.285455	1.464655	0.177922	0.228334	1.457029	6.38114
CD86	1	1.790638	1.444413	0.194885	0.406195	1.162334	2.895358	1.82034	0.860987	0.369048	0.098892	0.999693	1.208925	1.209296
CD8A	0.003135	1.850705	2.239299	0.92798	1.323382	6.508368	0	0.020065	0.195226	0.048814	0.015696	2.569947	0.05596	0.021775
CD8B	1	0.255066	0.060641	0.117274	0.032162	0.437156	0.281019	0	0	0	0.022316	0.18046	0.060667	0.33618
CD9	1	54.50998	50.25503	69.61551	103.5185	49.51992	104.4345	44.70143	29.59246	33.36216	44.62989	65.48379	51.34409	0.784073
CD93	1	1.097323	0.720171	1.894623	2.408726	1.06015	5.441987	2.661376	1.974784	1.930521	1.63311	1.436198	2.728356	1.899706
CD96	1	0.112772	0.117558	0.113672	0.187046	0.188324	0	0	0	0.269073	0	0.143874	0.053815	0.374038
CD99	1.65E-07	17.18156	7.724596	13.74877	12.35741	8.775167	0.366803	0.047389	0.041169	0.922317	0.640819	11.9575	0.4037	0.033761
CD99L2	2.91E-10	26.95832	26.74466	24.71635	35.60951	32.62575	2.00805	3.875115	3.134931	3.028741	2.229027	29.33092	2.855173	0.097343
CDA	1	0.054755	0.020612	0.159443	0.218635	0	0.191033	0.465404	0	0	0	0.090689	0.131287	1.44767
CDADC1	1	13.68439	13.5525	4.372706	3.761146	10.42877	2.771073	4.623751	4.714826	3.250602	1.526621	9.159903	3.377375	0.368713
CDAN1	1	1.894702	2.271433	4.076195	3.781342	4.738712	4.66181	3.222419	6.806117	2.795939	4.700936	3.352477	4.437444	1.323632
CDC123	1	40.00099	44.76626	22.6471	24.5846	51.58467	68.79426	75.50173	48.7555	51.37155	57.74618	36.71673	60.43384	1.645949
CDC14A	1	0.800932	0.405921	0.580224	0.575659	0.360477	2.003761	2.905752	0.84818	1.413839	0.655966	0.544643	1.5655	2.874361
CDC14B	1	6.601501	5.146412	6.908742	6.266048	5.233833	2.46662	2.414782	1.965439	7.937641	1.994817	6.031307	3.35586	0.556407
CDC16	1	10.39042	12.05157	9.571703	10.0228	15.4973	15.69967	17.51389	15.93036	12.19688	6.350509	11.50676	13.53826	1.176548
CDC20	1	0.097919	0.110581	0.04277	0.117297	0.106288	0.819908	0.561797	0.885732	2.784134	1.416135	0.094971	1.293542	13.62039
CDC20B	1	0	0.047581	0	0	0	0	0	0	0	0	0.009516	0	0
CDC23	1	4.74721	4.640306	4.087576	3.650797	4.164391	5.59171	9.980916	8.284283	8.860098	10.32325	4.258056	8.608052	2.021592

CDC25A	0.00012	0.368995	0.30986	0.702553	0.566688	0.333777	3.589809	3.669162	7.360188	3.546121	4.624033	0.456374	4.557863	9.987114
CDC25B	1	0.845109	0.535555	0.584246	0.63363	1.121926	2.481822	1.524504	0.974219	0.597189	0.232458	0.744093	1.162038	1.561684
CDC25C	1	0.080813	0.079094	0	0.051629	0.02924	0.479309	0.744133	0.097466	0.334218	0.125382	0.048155	0.356102	7.394873
CDC26	1	7.583307	7.236723	3.922495	4.727928	11.49273	17.05799	12.67458	13.75342	5.38754	5.750099	6.992636	10.92473	1.562319
CDC27	1	12.31936	12.56379	9.178412	8.908406	7.561058	10.29387	17.41676	15.42213	17.14771	13.77941	10.1062	14.81198	1.465632
CDC34	1	13.0376	11.29643	14.97318	16.66781	36.41674	6.29363	7.212654	7.145647	11.38822	18.08561	18.47835	10.02515	0.542535
CDC37	1	59.06279	47.38716	45.35601	57.16462	45.18823	45.12019	58.75686	36.61755	49.34	96.45199	50.83176	57.25732	1.126408
CDC37L1	1	11.52352	12.01679	7.579821	7.127146	9.211279	25.43416	21.87033	14.46146	16.92814	12.3721	9.49171	18.21324	1.918857
CDC40	1	10.72544	9.632845	2.865989	3.186289	6.382626	4.965832	13.64244	13.17482	4.566195	4.941852	6.558638	8.258227	1.259138
CDC42	1	90.53724	81.22138	46.56709	54.49077	126.6535	171.4132	141.7948	103.0279	120.8056	105.16	79.89399	128.4403	1.607634
CDC42BPA	1	12.72199	17.61475	22.50611	17.67978	9.480394	11.48207	13.65307	13.37328	25.68602	13.53114	16.0006	15.54511	0.971533
CDC42BPB	1	25.91249	21.32917	31.27902	35.83432	6.909442	26.49556	25.8312	30.3963	17.67218	25.65015	24.25289	25.20908	1.039426
CDC42BPG	1	0.452108	0.053432	5.086187	0.749392	0.128394	0.288876	0.067026	12.39777	10.62626	26.23886	1.293902	9.923759	7.669635
CDC42EP1	3.88E-05	5.888012	8.798554	29.97225	45.78702	18.79067	5.190201	2.24034	1.408575	2.448044	3.549763	21.8473	2.967385	0.135824
CDC42EP2	1	0.972187	0.878317	4.072718	5.526445	2.686162	1.156312	0.638535	0.662403	0.776723	1.116577	2.827166	0.87011	0.307768
CDC42EP3	1	4.187891	4.291501	1.580823	1.788342	5.050915	6.054124	8.747993	3.290437	6.548421	1.761905	3.379894	5.280576	1.562349
CDC42EP4	1	4.856255	4.5417	14.0066	13.54681	7.70633	1.084581	1.583006	3.068918	6.688897	19.19947	8.931539	6.324975	0.708162
CDC42EP5	1	0.041884	0.25542	0.439073	0.692385	0.022732	0.131516	0.124603	0.432989	0	0.278502	0.290299	0.193522	0.66663
CDC42SE1	1	14.12371	11.97624	13.02962	14.67989	14.14138	21.05912	16.19622	12.33513	7.584692	12.39696	13.59017	13.91442	1.02386
CDC42SE2	1	42.01572	45.27497	24.15608	35.23253	59.2387	36.82275	28.99051	8.55104	8.470051	5.544166	41.1836	17.6757	0.429193
CDC45	1	2.842173	2.955171	1.886769	2.099767	1.88571	4.455655	0.558718	0.744251	0.388361	0.374641	2.333918	1.304325	0.558857
CDC5L	1	24.30856	23.61662	19.92281	19.11138	12.21582	20.16311	34.67546	34.42323	28.74723	28.45793	19.83504	29.29339	1.476851
CDC6	1	0.093283	0.079008	0	0.065183	0.021095	0.386474	0.371664	0.642889	0.642982	0.626728	0.051714	0.534147	10.32892
CDC7	1	7.866946	10.41594	4.178901	3.824053	6.638482	3.346355	9.573081	13.53358	19.0825	19.16529	6.584865	12.94016	1.965137
CDC73	1	14.5735	14.84934	13.70221	10.70135	2.949319	4.136565	7.470801	8.873474	10.55608	5.447433	11.35514	7.29687	0.642605
CDCA2	1	0.038624	0.35985	0.021088	0.109885	0.078609	0.050533	0.102592	0.012478	0.074877	0.032103	0.121611	0.054517	0.448285
CDCA3	1	0.101518	0.22929	0.406472	0.081072	0.137744	0.531278	0.143814	0.131184	0.174938	0.028126	0.191219	0.201868	1.055689
CDCA4	1	0.363774	0.248398	0.609708	0.587773	0.918291	0.265639	0.215721	0.371688	1.355766	0.675029	0.545589	0.576769	1.05715
CDCA5	1	0.058145	0.026265	0.228576	0.167164	0.063115	0.608585	0.197689	0.270491	0.420825	0.231976	0.108653	0.345913	3.183648
CDCA7	1	0.306138	0.744056	0.465108	1.028412	2.022713	0.139315	0.014142	0.343998	0.137619	0	0.913285	0.127015	0.139075
CDCA7L	1	1.056385	0.800084	0.676935	0.954761	1.064277	0.297938	0.577993	0.212528	0.686729	0.220822	0.910488	0.399202	0.438448
CDCA8	1	0.102534	0.299131	0.074644	0.317299	0.370993	0.84961	0.562858	0.15458	0	0.284077	0.23292	0.370225	1.589494
CDCP1	1	0.823807	0.311317	0.651059	0.883158	0.104383	0.385832	0.136229	0.248531	0.198854	1.891642	0.554745	0.572218	1.031497
CDCP2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CDH1	1	6.938295	0.288127	0.61912	0.509377	0.192321	0.370892	1.3855	0.494539	0.549568	0.318091	1.709448	0.623718	0.364865
CDH10	1	21.07194	17.37996	4.296557	7.582031	10.19303	3.974902	15.67232	2.660211	2.188556	0.551957	12.1047	5.00959	0.413855
CDH11	1	18.16727	11.54914	12.86487	17.63538	4.946036	10.44235	18.96906	11.25351	7.213635	19.19899	13.03254	13.41551	1.029385
CDH12	1	6.70005	4.703793	2.164072	2.767331	3.673867	3.045073	10.63817	1.548455	1.191293	0.440529	4.001823	3.372703	0.842792
CDH13	1	26.61576	27.82152	15.16047	20.20912	24.80258	16.15171	23.36514	12.15697	9.952724	11.6632	22.92189	14.65795	0.639474
CDH15	1	0.012442	0.014051	7.784887	0.089424	0.101289	0	0.026438	17.50845	76.44378	56.45262	1.600418	30.08626	18.799
CDH16	1	0	0	0.136223	0.052302	0	0	0	0	0.06449	0.093318	0.037705	0.031562	0.837068
CDH17	1	0.090216	0.131847	0.02318	0.088998	0.028802	0.361041	0.022554	0	0	0.017643	0.072609	0.080248	1.105208
CDH18	1	9.627946	11.51752	7.933093	6.077433	6.780908	3.948172	27.7196	24.92414	18.30375	18.93775	8.387379	18.76668	2.237491
CDH19	1	0.150047	0.451864	0.355005	0.569178	0.339315	0.392623	2.045905	1.648099	1.874581	0.644356	0.373082	1.321112	3.541081
CDH2	1	27.89334	31.6816	16.42945	18.67334	13.83743	13.63828	29.82056	19.90242	31.00874	14.03604	21.70303	21.68121	0.998994
CDH20	1	12.37639	8.636482	14.76906	19.93623	12.84586	9.289987	20.04402	6.823866	10.07663	4.976038	13.7128	10.24211	0.746901

CDH22	1	4.594788	5.285327	5.527385	5.191268	6.799894	2.417743	5.708825	10.21377	7.268797	28.35686	5.479732	10.7932	1.969658
CDH23	1	0.11501	0.132974	0.472453	0.595363	0.122611	0.193463	0.101829	0.325545	0.884763	1.554518	0.287682	0.612024	2.127431
CDH24	1	1.079488	1.100896	3.00709	3.641824	3.153561	4.928737	3.464192	4.184811	3.245836	4.962255	2.396572	4.157166	1.73463
CDH26	1	0.054755	0.057713	0.119582	0.034982	0.138681	0	0	0	0	0.006068	0.081142	0.001214	0.014957
CDH3	0.171209	1.604077	1.570303	1.587872	1.752769	1.788034	6.230599	20.96327	1.503237	3.194844	3.376574	1.660611	7.053704	4.247656
CDH4	1	3.426046	2.001686	3.738007	5.640013	1.936581	1.184175	1.140417	0.412357	0.584882	0.887318	3.348467	0.84183	0.251407
CDH5	1	5.443979	1.405786	5.052085	5.058586	2.218277	7.881381	2.60194	2.174003	2.297063	1.279928	3.835742	3.246863	0.846476
CDH6	1	3.958923	2.993165	2.808896	2.835257	1.878396	2.535747	4.678362	1.073367	3.312916	2.171413	2.894927	2.754361	0.951444
CDH7	1	16.76257	15.84944	13.41859	6.525293	4.543046	12.40812	8.7943	12.48594	15.3763	1.730525	11.41979	10.15904	0.889599
CDH8	1	13.43891	14.63028	6.699151	10.22248	9.618643	12.58911	31.25565	2.17944	1.962649	1.089073	10.92189	9.815185	0.898671
CDH9	1	7.908662	9.789442	1.136162	2.52773	3.902092	3.732012	10.19758	6.677201	3.112452	5.130472	5.052818	5.769943	1.141926
CDHR1	1	0.280979	0.187502	1.101775	6.762255	0.190621	0.233936	2.415403	1.237796	5.546134	0.849237	1.704626	2.056501	1.206424
CDHR2	1	0.031711	0.044764	0.051942	0.037986	0.06454	0	0	0	0.020492	0.454661	0.046189	0.095031	2.057441
CDHR3	0.057596	0	0.007057	0.006824	0.007485	0	0	0.066392	0.258396	0	0.010388	0.004273	0.067035	15.68744
CDHR4	1	0.15085	0.212945	0.105895	0.206518	0.438598	0.112779	0.045793	0.097466	0.055703	0.062691	0.222961	0.074886	0.335871
CDHR5	1	0.014	0.007905	0.091726	0.01677	0	0.366331	0.193369	0.796003	1.664613	0.96581	0.02608	0.797225	30.56817
CDIP1	1	39.8352	39.82872	44.39473	54.17928	58.65423	59.62784	37.31586	22.7614	16.40575	59.29268	47.37843	39.08071	0.824863
CDIPT	1	16.74293	14.23604	18.62942	21.05029	31.09569	29.56897	30.72871	60.23899	28.19973	38.19846	20.35087	37.38697	1.837119
CDK1	1	0.33976	0.554879	0.433798	0.450827	0.907812	0.05471	0.144395	0.2972	0.270221	0.399701	0.537415	0.233245	0.434013
CDK10	1	7.972868	5.863972	5.216887	6.942515	16.0249	19.14087	7.339289	7.064138	6.640041	13.9566	8.404228	10.82819	1.288421
CDK11B	1	38.29985	33.30598	24.55855	26.91824	17.01643	22.49424	22.47155	25.03849	26.58121	22.9511	28.01981	23.90732	0.853229
CDK12	1	3.15645	3.131516	5.079977	4.687495	1.593036	2.40834	3.573047	5.817103	6.999839	3.302714	3.529695	4.420208	1.252292
CDK13	1	5.148201	5.203447	5.831871	5.299319	3.191922	4.729882	6.974555	9.499747	9.288751	6.972942	4.934952	7.493175	1.518389
CDK14	1	15.48292	17.66673	11.5855	13.3943	16.48653	18.80061	19.11005	4.549342	4.195918	3.210819	14.9232	9.973348	0.668312
CDK15	1	0.449265	0.0906	0.210252	0.153763	0.043541	2.225196	1.227427	3.441831	1.410112	0.240052	0.189484	1.708924	9.018815
CDK16	1	10.41732	10.39442	18.56005	15.07313	18.62295	54.19447	20.55374	24.34876	23.39569	32.10873	14.61357	30.92028	2.11586
CDK17	1	39.18367	42.28721	20.55377	24.64463	20.57339	27.90153	67.84255	32.27634	63.70211	56.52246	29.44853	49.649	1.685958
CDK18	1	5.304711	4.03296	14.74247	17.94077	6.732185	16.18874	6.091697	2.627961	3.261679	4.001792	9.750618	6.434374	0.659894
CDK19	1	15.72548	22.39469	25.63034	28.04539	22.71879	12.64848	17.21423	27.06221	29.0788	11.40595	22.90294	19.48193	0.85063
CDK2	1	1.322487	0.804188	1.350133	1.134249	1.507719	2.375257	0.814797	0.546054	1.699081	0.624402	1.223755	1.211918	0.990327
CDK20	1	3.680765	3.7309	5.705479	7.280501	8.404862	7.282222	4.597481	2.041756	17.31104	8.655665	5.760502	7.977634	1.384885
CDK2AP1	1	26.71919	29.43618	35.65176	29.19457	87.41571	50.09319	37.49129	24.23778	43.54052	60.40846	41.68348	43.15425	1.035284
CDK2AP2	1	6.040827	5.4464	16.14067	16.95692	41.94238	42.03665	14.72519	22.33349	19.40105	32.80709	17.30544	26.26069	1.517482
CDK3	1	3.401525	4.471094	8.30564	11.00828	9.321414	6.30341	1.564107	15.42036	13.95241	18.55778	7.30159	11.15962	1.528382
CDK4	1	9.478791	5.70144	7.635503	7.922507	13.52905	33.68691	24.11134	31.83683	21.79313	31.0942	8.853458	28.50448	3.219587
CDK5	1	27.88212	28.01018	22.14308	28.65171	50.82664	87.9593	59.21196	52.2752	31.74784	65.3812	31.50275	59.3151	1.882855
CDK5R1	1	68.09004	63.29008	47.68396	70.32486	7.025473	42.68219	57.97056	17.86822	14.38949	37.14071	51.28288	34.01023	0.663189
CDK5R2	1	17.0278	20.39908	30.88773	51.38362	41.73159	46.80125	30.14744	8.46884	14.30161	34.82288	32.28596	26.90841	0.83344
CDK5RAP1	1	7.290468	8.486726	6.792851	6.834684	18.27863	11.71559	17.4424	10.27424	10.41229	8.782022	9.536673	11.72531	1.229497
CDK5RAP2	1	4.291524	5.064228	8.664948	10.58652	3.077167	9.352289	9.529065	6.499217	8.706761	4.74029	6.336876	7.765524	1.22545
CDK5RAP3	1	11.31519	9.140392	11.24873	11.59809	25.37299	32.40214	20.3451	22.1703	22.63741	24.64194	13.73508	24.43938	1.77934
CDK6	1	2.502672	3.156831	4.024893	3.749274	2.622433	2.796144	3.086839	2.177351	2.802146	3.380224	3.211221	2.848541	0.887059
CDK7	1	3.979233	4.649265	5.292478	5.129562	3.213344	6.629295	16.2384	10.88905	17.72397	4.875278	4.452777	11.2712	2.531274
CDK8	1	8.18783	9.035121	6.03927	7.720576	11.49061	8.06492	9.319107	7.872555	7.817859	5.710116	8.494681	7.756911	0.913149
CDK9	1	47.17539	45.52942	57.87517	65.40578	96.96671	96.12135	67.74021	116.4071	72.55042	66.69335	62.59049	83.90248	1.340499
CDKAL1	1	2.224384	2.697556	1.987351	1.922734	1.937773	2.711808	4.847558	6.108094	3.201499	3.361517	2.15396	4.046095	1.878445

CDKL1	1	6.358358	5.41755	1.243559	2.847713	3.270628	21.90215	19.09716	5.199637	3.409692	4.68538	3.827561	10.8588	2.837003
CDKL2	1	4.734475	5.647348	4.778573	5.053964	2.05639	1.214737	4.315797	1.834956	0.741148	0.283716	4.45415	1.678071	0.376743
CDKL3	1	0	0.118079	0.110239	0.112293	0	2.830289	0.804451	0.633633	2.628094	0.719219	0.068122	1.523137	22.35892
CDKL4	0.004409	8.155213	11.30062	7.69582	7.973962	5.252695	0.312562	0.449965	0.175405	2.933201	1.362889	8.075662	1.046804	0.129625
CDKL5	1	3.428471	13.61845	13.38092	10.55238	0.410891	5.094031	9.629502	3.396131	2.711709	3.451919	8.278222	4.856658	0.586679
CDKN1A	1	1.773675	2.910051	4.50219	3.792344	13.98544	6.339935	3.228515	1.764393	4.636532	9.156854	5.392741	5.025246	0.931854
CDKN1B	1	17.43504	20.1446	24.95875	27.35222	31.05365	27.37697	22.52322	62.70653	83.33261	70.04929	24.18885	53.19772	2.199266
CDKN1C	1	2.610653	1.536651	2.487955	4.26448	0.300553	1.076432	0.235349	0.368023	3.517174	5.97048	2.240058	2.233492	0.997068
CDKN2A	1	0.113235	0.146145	0.28263	0.310043	0.877952	0	0	0	0.083626	0.564704	0.346001	0.129666	0.374756
CDKN2AIP	1	4.066235	3.479255	4.849125	4.202052	4.545684	10.5884	9.757254	12.93671	9.916189	10.55958	4.22847	10.75163	2.542675
CDKN2AIPNL	1	10.08514	10.33415	5.676419	6.155247	27.43276	38.67524	23.67018	22.25696	26.00635	23.45489	11.93674	26.81272	2.246234
CDKN2B	1	0.014084	0.03181	0.276828	0.261501	0	0.368528	0.882864	0.072798	0.655278	1.275962	0.116845	0.651086	5.572239
CDKN2C	1	2.915291	1.893523	1.361703	1.867222	2.537968	4.718105	4.476046	3.919633	1.437408	2.241011	2.115141	3.35844	1.587809
CDKN2D	1	13.69929	13.50194	12.61014	18.20239	70.35806	83.79264	39.85588	13.54849	19.2391	18.29222	25.67436	34.94567	1.361111
CDKN3	1	0.053028	0.149713	0.115812	0.148219	0.191869	2.035109	1.464874	1.530378	0.502585	0.543597	0.131728	1.215309	9.225882
CDNF	1	0.471181	0.427185	0.391325	0.373633	0.252124	0.06946	0.056408	0.120059	0.891996	0.286828	0.38309	0.28495	0.743821
CDO1	1	11.12157	12.25023	8.023825	9.861305	15.5126	8.733681	17.01666	9.59175	14.48629	8.198379	11.35391	11.60535	1.022146
CDON	1	5.037619	3.706435	3.687262	2.481825	2.953032	1.615954	3.127271	26.277	8.843951	12.72481	3.573234	10.5178	2.943495
CDPF1	1	1.978489	1.859154	1.580046	2.361176	4.247095	2.549886	1.741287	1.144767	0.763289	3.988415	2.405192	2.037529	0.847138
CDR2	1	0.532114	0.570103	0.521462	0.784511	1.240343	1.749378	1.449634	1.2518	2.116027	1.270123	0.729707	1.567393	2.147977
CDR2L	1	3.500379	2.69108	17.37697	13.45012	1.607502	4.509202	3.432983	14.85719	25.12517	48.78838	7.72521	19.34259	2.503826
CDRT1	5.68E-05	0.039318	0.029601	0.209902	0.198861	0.248957	4.663979	2.33008	3.646851	1.490571	4.952803	0.145328	3.416857	23.51135
CDRT4	1.01E-07	0.297493	0.482031	0.692086	1.030361	0.324675	0	0	0	0	0.005375	0.565329	0.001075	0.001902
CDS1	1	7.89491	11.94834	8.607554	7.843937	9.11453	1.859358	12.21131	7.655484	7.709991	4.772979	9.081855	6.841824	0.753351
CDS2	1	39.95049	40.73877	51.48175	43.72705	40.67895	36.10576	58.4898	55.08134	47.67016	41.7536	43.3154	47.82013	1.103998
CDSN	1	0	0	0	0	0.047321	0.136889	0	0	0	0.014494	0.009464	0.030277	3.199046
CDT1	1	0.469079	0.549724	1.159756	0.720938	1.176857	0	0	0.228738	0.091508	0.044138	0.815271	0.072877	0.08939
CDV3	1	30.39044	32.85662	24.22699	28.99872	40.60024	22.51284	25.44615	16.99778	23.64925	17.16902	31.4146	21.15501	0.673413
CDX1	1	0	0	0	0	0	0	0	0	0	0.037211	0	0.007442	#DIV/0!
CDX2	1	0	0.016092	0	0	0	0	0	0	0	0	0.003218	0	0
CDX4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CDYL	1	2.064565	1.424299	2.18174	1.964542	1.34416	4.596288	2.848075	1.742725	3.313811	3.092948	1.795861	3.118769	1.736643
CDYL2	1	2.863342	2.804928	4.343158	2.906092	0.626988	2.763768	2.893185	3.284214	2.346208	2.482793	2.708901	2.754034	1.016661
CEACAM1	1	2.950403	2.208651	3.160764	3.279909	2.456516	3.567674	0.949918	0.750962	0.259986	0.037156	2.811249	1.113139	0.395959
CEACAM16	1	0.048107	0.108654	0.189114	0.080678	0.143601	0.050352	0.04089	0	0	0	0.114031	0.018248	0.16003
CEACAM18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CEACAM19	1	0.085905	0.024253	0	0.051452	0	0	0	0	0	0	0.032322	0	0
CEACAM20	1	0.032556	0.009191	0.062214	0.019499	0	0	0	0	0.757368	0	0.024692	0.151474	6.134469
CEBPA	1	0.183079	0.379046	1.699311	1.224478	0.082803	0	0.324195	0.236579	1.340809	5.655629	0.713744	1.511443	2.117627
CEBPB	1	0.825139	1.073635	4.035072	5.651235	0.632805	1.689739	1.029157	0.417233	1.854639	7.484472	2.443577	2.495048	1.021064
CEBPD	1	3.285182	1.143577	4.191676	5.853582	5.400068	2.526487	1.551299	5.203773	7.304604	18.0274	3.974817	6.922712	1.741643
CEBPE	1	0	0	0	0	0	0	0	0	0	0.258322	0	0.051664	#DIV/0!
CEBPG	1	4.535778	5.477024	5.592242	4.447048	6.070353	8.244509	8.586481	13.60445	13.55722	13.10991	5.224489	11.42051	2.185958
CEBPZ	1	21.32632	22.33419	16.00062	16.9825	15.03126	20.73457	24.6341	25.09853	23.22845	18.5444	18.33498	22.44801	1.224327
CEBPZOS	1	1.036148	1.501769	0.738168	0.653785	1.450991	0.65244	0.512175	0.723167	2.105367	2.505344	1.076172	1.299699	1.207705
CECR2	1	0.457217	0.79849	4.927243	2.334449	0.494939	1.333673	1.300727	10.05372	2.841543	4.763794	1.802468	4.058692	2.251742

CEL	1	0.505448	0.022385	0	0.047488	0	0	0	0.025614	0	0.049425	0.115064	0.015008	0.130429
CELA1	1.20E-06	0.50845	0.915125	3.088398	6.033594	8.451071	0	0	0.082129	0.164281	0.105652	3.799328	0.070412	0.018533
CELA2A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CELA3B	1	0	0	0	0.049828	0	0	0	0	0	0.034574	0.009966	0.006915	0.693857
CELF1	1	19.69858	17.5386	15.15417	14.06423	16.25581	19.78629	21.00173	37.08895	31.87804	36.86487	16.54228	29.32398	1.772668
CELF2	1	16.0948	16.53694	7.001699	7.213731	1.939849	9.635932	11.36953	9.349326	4.479371	2.376616	9.757404	7.442154	0.762719
CELF3	1	17.52036	15.82103	15.10413	27.81279	34.86061	67.51663	25.39218	26.28055	17.34069	35.93123	22.22378	34.49226	1.552042
CELF4	1	41.74074	37.67419	30.08801	31.21655	34.3237	39.46865	48.07776	69.80452	61.88329	84.85251	35.00864	60.81734	1.73721
CELF5	1	18.2756	17.90313	13.84263	19.41772	27.76617	12.91043	9.481705	11.39758	9.757053	10.68462	19.44105	10.84628	0.557906
CELF6	1	3.572002	3.026781	3.905849	4.406607	5.523963	10.39935	4.675723	4.99786	5.562338	7.178606	4.08704	6.562775	1.605752
CELSR1	1	0.126499	0.088888	0.399055	1.057359	0.144939	0.279516	0.20011	0.813691	0.683019	0.380847	0.363348	0.471436	1.297479
CELSR2	1	14.90089	12.67771	23.32352	26.88297	11.92353	11.56949	24.91757	14.43531	15.369	23.72394	17.94172	18.00306	1.003419
CELSR3	1	2.077704	2.858137	6.770479	4.153125	4.331845	2.675244	3.668629	13.53977	7.595697	12.99686	4.038258	8.09524	2.004637
CEMIP	1	10.3327	2.843182	14.19435	8.937972	4.275058	0.685961	1.587088	11.40269	3.541484	1.841796	8.116653	3.811803	0.469627
CEMIP2	1	5.422787	5.978477	6.239678	5.392018	4.165383	6.523116	3.29743	6.247337	4.358568	3.291962	5.439669	4.743683	0.872054
CEND1	1	51.57045	63.24313	75.30936	92.33459	122.1313	15.01919	17.05688	9.804245	13.47214	62.22083	80.91777	23.51466	0.290599
CENPA	1	0.033829	0.063673	0.13545	0.081048	0.244804	0	0	0.014572	0	0.093726	0.111761	0.02166	0.193802
CENPB	1	13.25462	9.416702	14.0143	14.46628	26.358	22.6448	12.32422	15.76854	8.15733	24.09706	15.50198	16.59839	1.070727
CENPBD1	1	1.459752	1.634234	1.58712	1.975723	0.394414	6.713378	9.117705	8.394546	6.664345	5.641046	1.410249	7.306204	5.180792
CENPC	1	5.972506	4.788613	4.606473	4.261237	1.64595	10.00881	8.406663	35.03726	17.7966	10.31889	4.254956	16.31365	3.834034
CENPE	1	0.199194	0.282292	0.106626	0.1427	0.074193	0.04088	0.016599	0.020188	0	0.003246	0.161001	0.016183	0.100514
CENPF	1	0.295198	0.177534	0.106814	0.123452	0.099541	0.100554	0.267244	0.045143	0	0.005807	0.160508	0.08375	0.521779
CENPH	0.017226	0.362041	0.647354	0.296506	0.252984	0.245615	8.368168	4.647969	3.196888	4.601069	5.341268	0.3609	5.231073	14.49452
CENPI	1	1.515061	1.355503	1.741491	1.362418	0.432777	1.273881	1.30204	2.310306	2.733717	1.325546	1.28145	1.789098	1.396151
CENPJ	1	1.781384	2.011728	0.881841	1.097439	0.718208	0.97665	1.889071	0.771699	1.64887	2.577702	1.29812	1.572798	1.211597
CENPK	1	0.352362	0.238754	0.051303	0	0.191239	1.22935	1.37271	0.485685	0.485755	0.253822	0.166732	0.765464	4.590998
CENPL	1	1.947521	1.596917	1.165037	1.491043	2.7114	1.019202	1.043593	1.181722	0.437738	0.295591	1.782384	0.795569	0.446351
CENPM	1	1.054477	0.848013	1.727203	1.665064	1.79928	0.292644	0.203701	0.474852	1.238924	1.075639	1.418807	0.657152	0.463172
CENPN	1	0.021737	0.098191	0.047473	0.169252	0.147469	0	0.092381	0.33707	0.898985	0.054202	0.096824	0.276527	2.855967
CENPO	1	3.55682	2.829555	2.521909	4.169345	3.458771	1.16872	2.071812	4.898859	2.477944	1.457783	3.30728	2.415023	0.730214
CENPP	1	0.645858	1.074863	0.148477	0.631152	1.01469	9.161547	3.936668	2.591628	2.548073	6.10275	0.703008	4.868133	6.924719
CENPQ	1	2.27615	2.175932	1.387262	1.610588	2.556875	3.324233	2.879526	4.897589	3.447966	1.777468	2.001361	3.265357	1.631568
CENPS	1	16.64383	11.72619	8.181378	10.66147	33.15804	9.341823	14.21103	13.90516	15.07695	3.845044	16.07418	11.276	0.701498
CENPT	1	3.430818	2.952297	4.617317	4.185582	6.23537	2.318859	0.282466	0.310827	0	1.89404	4.284277	0.961238	0.224364
CENPU	1	1.530869	1.296615	0.738931	0.810601	1.414862	1.654557	0.742537	3.669745	4.473153	2.784544	1.158375	2.664907	2.300556
CENPV	1	8.785966	7.731256	5.526203	5.557017	32.53986	15.81706	3.584589	6.139926	2.543535	12.59553	12.02806	8.136129	0.676429
CENPW	1	0.605205	0.573226	0.511643	0.888675	0.529783	1.328196	0.290394	0.050455	0.302777	0.19472	0.621706	0.433308	0.696966
CENPX	1	4.372388	4.221404	4.551914	5.04769	9.40611	4.742413	2.551443	1.815056	1.990996	10.58244	5.519902	4.33647	0.785606
CEP104	0.387271	12.43178	12.61308	16.07269	18.1497	7.830678	3.259317	6.359762	4.059747	3.702598	3.117408	13.41958	4.099766	0.305506
CEP112	1	5.167634	4.061135	2.035394	2.352151	1.473838	2.657301	2.526714	1.71096	1.329095	1.805679	3.018031	2.00595	0.664655
CEP120	1	13.31873	13.19551	12.11087	12.11648	6.343696	5.978353	9.018581	14.86938	13.66891	8.985601	11.41706	10.50417	0.920041
CEP126	1	14.8441	17.43668	5.148947	6.527579	8.293	1.862369	3.52578	2.356777	4.71424	1.722947	10.45006	2.836423	0.271426
CEP128	1	0.608775	0.617508	0.406027	0.33624	0.237415	0.438779	0.286609	0.358006	0.339213	0.272691	0.441193	0.33906	0.768507
CEP131	1	8.97975	8.080839	13.50349	12.76689	10.55677	4.166694	4.047594	9.598227	12.86897	21.61197	10.77755	10.45869	0.970415
CEP135	1	0.585711	0.661447	1.082375	1.166599	0.244527	2.502959	1.156232	1.59435	2.221665	0.265016	0.748132	1.548045	2.069214
CEP152	1	0.306909	0.309326	0.418023	0.446708	0.062688	0.621739	0.74333	1.176992	0.648293	0.477271	0.308731	0.733525	2.375935

CEP162	1	2.371228	3.165045	1.815629	1.882336	1.145092	2.834554	1.124181	3.304238	4.427998	1.172586	2.075866	2.572711	1.239344
CEP164	1	7.50078	6.451882	5.959295	7.471199	9.685607	1.657499	2.886194	4.982103	3.715473	6.211618	7.413752	3.890577	0.524778
CEP170	1	17.16988	19.72518	19.5035	17.49374	13.02721	14.7867	27.50825	29.80863	43.13695	23.584	17.3839	27.7649	1.597162
CEP170B	1	11.89114	11.84623	23.18931	35.24063	5.03159	8.302333	3.540556	2.384948	4.741143	32.03444	17.43978	10.20068	0.584909
CEP19	1	18.19905	14.72483	7.249271	8.398	20.29287	6.938458	5.087361	4.313951	4.141996	2.933325	13.7728	4.683018	0.340019
CEP192	1	1.720601	2.144826	2.997967	2.660843	1.460703	4.1332	4.435379	7.933765	4.082899	3.758914	2.196988	4.868831	2.216139
CEP250	1	3.39799	2.979827	5.87741	6.590495	2.436477	3.349114	3.354033	9.16454	12.07303	11.38849	4.25644	7.86584	1.847986
CEP290	1	5.741526	6.157113	4.769076	4.198887	1.757418	2.880811	3.651105	6.443853	9.834584	3.465161	4.524804	5.255103	1.161399
CEP295	1	2.907596	3.79823	5.643405	4.574838	3.598848	5.485536	4.32882	8.268323	11.47367	19.16312	4.104583	9.743894	2.373906
CEP295NL	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CEP350	1	3.775488	4.911723	9.44755	7.424258	2.796251	4.244764	6.477974	10.85913	11.04612	7.904197	5.671054	8.106438	1.429441
CEP41	1	3.003982	3.57422	1.937503	1.981815	3.996901	7.439157	14.75367	15.12888	9.703723	4.486856	2.898884	10.30246	3.553939
CEP44	1	5.41047	5.119253	3.901725	3.031146	5.745223	2.195975	2.472323	3.713478	3.812621	1.278819	4.641563	2.694643	0.580546
CEP55	1	0.056336	0.079525	0.030759	0.016871	0.038219	0.184264	0.059855	0	0	0.035118	0.044342	0.055848	1.259475
CEP57	1	9.522247	11.03671	7.414181	6.207801	4.606229	11.74323	19.18228	20.95398	23.36683	17.72095	7.757433	18.59346	2.396857
CEP57L1	1	1.151727	1.055481	1.510803	0.925642	1.148313	2.927028	4.042448	4.640792	8.369858	3.101212	1.158393	4.616268	3.98506
CEP63	1	3.193274	3.329797	3.079753	2.638553	3.478849	5.855107	5.200601	9.517868	8.886645	11.64336	3.144045	8.220716	2.614694
CEP68	1	3.988279	4.358367	4.955403	4.056704	3.425505	5.398536	4.09083	9.27264	8.502131	5.072982	4.156852	6.467424	1.555847
CEP70	1	4.380736	6.532436	2.458485	1.945532	2.861556	2.626178	4.020383	9.104731	2.629275	4.638768	3.635749	4.603867	1.266277
CEP72	1	0.356902	0.540679	0.228135	1.136606	0.519691	0.113889	0	0.011249	0	0.028941	0.556402	0.030816	0.055384
CEP76	1	1.564235	1.868741	5.832853	1.940063	0.586904	3.106001	4.553023	20.73334	15.93904	5.718945	2.358559	10.01007	4.244147
CEP78	3.99E-12	1.675417	2.128565	1.947556	1.901767	2.658253	52.18377	15.51835	13.98526	51.72332	51.09763	2.062312	36.90166	17.89335
CEP83	1	3.894118	3.425756	3.305864	1.718204	2.418235	4.727463	3.449997	5.252906	2.966036	3.338125	2.952435	3.946905	1.33683
CEP85	1	2.249131	2.324706	3.135919	1.968658	3.58618	6.583467	7.551459	14.34031	6.853695	9.033688	2.652919	8.872524	3.344438
CEP85L	1	3.405551	3.877983	2.926543	2.37532	1.75162	1.945732	3.92281	2.702493	6.900703	2.493658	2.867403	3.59308	1.253078
CEP89	1	3.187838	3.250091	2.563094	2.744561	3.265275	1.190411	1.302961	1.371711	0.869161	0.980937	3.002172	1.143036	0.380736
CEP95	1	4.42153	5.166713	6.273479	5.261291	6.899404	4.720215	2.777687	6.950908	6.706955	4.525202	5.604484	5.136194	0.916444
CEP97	1	5.809329	7.680524	8.372506	9.222189	2.932785	5.053326	12.58364	19.86296	10.71417	6.925231	6.803467	11.02786	1.620918
CEPT1	1	13.9727	17.76272	13.42399	12.34656	20.03441	15.57058	30.48837	21.9446	24.59211	12.83949	15.50808	21.08703	1.359745
CER1	0.380551	0	0.136037	0	0.078708	0	0.17193	0.093081	15.73597	0.962412	17.91287	0.042949	6.975252	162.4077
CERCAM	1	3.899249	6.024869	12.60868	23.06477	12.76863	4.982873	4.228495	5.260032	7.318238	5.024692	11.67324	5.362866	0.459415
CERK	0.032518	14.4228	14.46494	28.75832	24.33747	16.24893	4.332563	6.38402	5.624877	6.217874	6.006859	19.64649	5.713239	0.290802
CERKL	1	1.131865	0.456508	2.931026	0.261486	0.065818	0.253861	0.034359	3.071504	8.484435	2.862625	0.969341	2.941357	3.034389
CERS1	1	19.10338	17.69589	60.59286	73.36685	15.67564	37.47793	47.70871	42.53214	32.21635	63.49662	37.28692	44.68635	1.198446
CERS2	1	7.417554	10.77137	29.33916	45.3287	29.82087	40.01525	19.6759	12.79807	12.18734	6.635219	24.53553	18.26236	0.744323
CERS3	1	0.046216	0.097859	0.063083	0.027681	0.031354	0.241862	0.073654	0.059721	0	0	0.053238	0.075047	1.409646
CERS4	1	6.959787	8.56234	17.45686	16.08047	19.65921	7.119011	6.00531	7.903455	7.304945	10.53525	13.74373	7.773594	0.56561
CERS5	1	19.01361	18.77392	9.385897	9.868792	20.52499	30.20453	16.8799	18.50503	11.26906	14.08192	15.51344	18.18809	1.172408
CERS6	1	14.65467	16.52473	14.88018	11.6885	6.807306	5.135899	9.522065	24.75608	28.07447	19.5929	12.91108	17.41628	1.348941
CES1	1	0.081775	0	0.138905	0.021768	0	0.04755	0.424763	0.821884	2.01978	1.827591	0.04849	1.028314	21.2069
CES2	1	0.634489	0.460089	0.67097	0.464031	1.359312	1.852484	0.808955	2.295722	1.035815	0.63284	0.717778	1.325163	1.846201
CES3	0.428085	0	0	0.041712	0.007626	0.034553	0.066635	0.270566	0.773319	0.065824	0.010583	0.016778	0.237385	14.14847
CES4A	1	0	0	0.035359	0.077578	0.087871	0	0.206423	0.209216	0	0	0.040162	0.083128	2.069835
CES5A	1	0.640656	0.75323	0.440834	0.325898	0.809726	0	0.130542	0.612397	0	0.029178	0.594069	0.154423	0.259942
CETN1	1	0.021245	1.199624	0	0	0	0	0	0	0	0	0.244174	0	0
CETN2	1	62.22448	56.70075	24.38273	34.87018	79.33615	113.471	64.60407	38.22733	40.76002	31.06281	51.50286	57.62504	1.118871

CETN3	1	15.57098	17.78704	7.358624	9.242604	20.93791	26.91923	22.03013	30.19462	34.94016	18.32772	14.17943	26.48237	1.867661
CETN4	0.00061	71.35653	64.46261	14.76129	26.81564	63.33959	1.792172	3.025687	1.444032	5.590616	0.539311	48.14713	2.478363	0.051475
CFAP100	1	1.05202	0.930543	0.58854	2.129316	1.532892	1.057719	0.484539	0.026787	2.437975	1.214689	1.246662	1.044342	0.83771
CFAP126	1	1.669744	1.395945	2.547216	2.883836	3.503177	0	0	0.025763	1.752161	1.955398	2.399983	0.746665	0.311112
CFAP157	1	0.017128	0	0.224442	0.123105	0	0	0	0	0	0.056945	0.072935	0.011389	0.156153
CFAP161	1	0.723114	0.601121	0.383846	0.517322	1.70338	0.499316	0.277438	0.467212	0.5192	0.818067	0.785757	0.516247	0.657006
CFAP20	1	19.67593	19.97586	18.61986	19.11742	36.63891	50.01656	47.0971	22.62237	17.95936	25.84862	22.8056	32.7088	1.434244
CFAP206	0.257952	0.720835	0.822891	0.359345	0.488056	0.786696	3.403329	1.947971	2.14645	4.131505	2.07092	0.635565	2.740035	4.311182
CFAP221	0.065381	0.230228	0.428997	0.402248	0.289579	0.359239	2.138628	4.439705	2.484176	0.535589	0.688889	0.342058	2.057397	6.014757
CFAP298	1	25.19478	24.93719	16.5751	20.43589	42.1094	11.02463	8.773059	7.364572	7.535806	12.63186	25.85047	9.465985	0.366182
CFAP299	1	0.041953	0	0.305411	0.167517	0.075897	0.585474	0.059432	0.361416	1.156698	0.511424	0.118156	0.534889	4.526985
CFAP300	1	2.774905	1.952896	1.463837	0.722618	1.164086	0.561236	0.65517	1.385813	5.058955	5.972151	1.615668	2.726665	1.687639
CFAP36	1	142.984	132.5787	64.88837	82.62812	283.6709	168.0092	178.2028	107.8872	95.90543	81.53897	141.35	126.3087	0.893588
CFAP43	0.582391	0.096083	0.135634	0.329752	0.39051	0.046561	0.556711	1.443791	2.261506	2.554543	1.175103	0.199708	1.598331	8.003329
CFAP44	1	0.249028	0.238264	0.540091	0.410175	0.061008	0.018101	0.022049	0.013408	0.429129	0.080494	0.299713	0.112636	0.375813
CFAP45	1	0.385205	0.51235	0.897357	0.707533	0.627192	0.179191	0.072759	0.221231	0.088505	0.056919	0.625927	0.123721	0.197661
CFAP46	3.17E-10	1.753038	2.454848	2.497076	5.051555	3.298304	0.193678	0.223507	0.221497	0.704867	0.466261	3.010964	0.361962	0.120215
CFAP47	0.005126	0.132962	0.075077	0.316006	0.295126	0.021224	0	0.020775	0.010107	0.020217	0.006501	0.168079	0.01152	0.068538
CFAP52	1	0.586629	0.197756	0.248586	0.587347	0.475199	0.870603	0.911661	0.181028	0.814744	0.291096	0.419104	0.613827	1.464618
CFAP53	1	2.700267	1.968775	1.321182	2.075172	2.283357	2.935644	3.505865	3.595942	1.876417	1.682137	2.069751	2.719201	1.313782
CFAP54	1	0.459429	0.398953	0.801939	0.539923	0.524197	0.382509	0.517715	0.161914	1.115567	0.153323	0.544888	0.466206	0.855599
CFAP57	1	0.085695	0.166454	0.134751	0.18067	0.04651	0.161449	0.138394	1.576891	0.425291	4.894699	0.122816	1.439345	11.71953
CFAP58	1	0.061779	0.038055	0.061329	0.026911	0	0.61723	0.393833	0.827354	0.783923	0.270748	0.037615	0.578618	15.38272
CFAP61	1	0.548209	0.636886	0.454136	0.528376	0.299242	0.214347	0.42178	0.993399	0.749229	0.50279	0.49337	0.576309	1.168108
CFAP65	1	0.137392	0.161903	0.293536	0.38283	0.137787	0.046892	0.050774	0.131226	0.169846	0.07944	0.22269	0.095636	0.429458
CFAP69	1	3.796254	2.407583	1.045476	1.420263	5.241524	2.010009	3.276418	2.733326	2.647396	1.56378	2.78222	2.446186	0.879221
CFAP70	1	0.578266	0.643435	0.640741	0.494059	0.773073	1.157097	2.249762	1.615373	5.275455	6.538054	0.625915	3.367148	5.379563
CFAP73	1	0.032549	0.018379	0.213258	0.263186	0	0	0	0.084122	0.084134	0.013527	0.105474	0.036356	0.344694
CFAP74	1	0.060603	0.061595	4.222113	0.493653	0.024669	0.7136	0.328385	0.775294	15.53947	10.10951	0.972527	5.493251	5.648432
CFAP77	1	0	0.126926	0.171823	0.107708	0.061	0.352914	0.143298	0	0.116206	1.064958	0.093491	0.335475	3.588299
CFAP97	1	14.8471	14.46652	6.064893	6.354541	7.768431	6.11488	15.95675	12.27042	7.389498	9.666444	9.900298	10.2796	1.038312
CFAP97D1	1	0	0.163779	0	0.028954	0	0	0.308173	0.249874	0	0.080361	0.038547	0.127682	3.312395
CFAP99	1	1.032708	0.949268	1.083988	1.505587	0.217243	0.879802	0.40827	0.393105	0.620782	1.077931	0.957759	0.675978	0.705792
CFB	1	3.905012	0.65846	7.087446	4.74212	1.748804	0.080299	0.260839	0.436209	10.23256	2.946013	3.628368	2.791185	0.769267
CFD	1	1.111166	1.279451	2.141243	2.035737	1.123361	0.456086	0.37038	0	1.238972	0.941673	1.538192	0.601422	0.390993
CFDP1	1	13.80781	13.30587	9.919993	8.962341	13.75753	20.94699	18.7905	14.4865	5.620582	10.08762	11.95071	13.98644	1.170344
CFDP2	2.58E-27	46.38844	45.40988	32.17225	37.08291	30.56098	0.733221	0.680499	0.586251	1.069201	0.654346	38.32289	0.744704	0.019432
CFH	1	4.401234	1.423068	3.194466	2.410784	0.713897	1.996294	1.235434	1.44139	1.659199	0.126822	2.42869	1.291828	0.531903
CFHR5	1	0	0	0.023431	0.012852	0	0	0	0	0.24959	0	0.007257	0.049918	6.87888
CFI	1	18.64118	17.57093	33.37017	28.54285	9.169459	5.803062	3.116976	2.910933	13.99257	6.545914	21.45892	6.47389	0.301688
CFL1	1	215.5445	198.8392	210.4714	259.4066	703.598	953.857	496.948	379.5957	381.1977	715.0081	317.572	585.3213	1.843114
CFL2	1	36.59128	41.49254	35.67319	36.21868	42.6935	52.86297	57.30664	72.80718	91.29603	50.10211	38.53384	64.87498	1.683585
CFLAR	1	2.786235	1.721211	3.71015	2.872021	1.825051	3.291072	2.236468	3.718942	3.25102	4.544536	2.582933	3.408408	1.319588
CFP	1	1.41674	2.187942	3.490784	3.452228	2.168729	0.190109	0.025731	0.281653	0.312993	1.20774	2.543284	0.403645	0.15871
CFTR	1	0.330968	0.042313	0.15002	0.097246	0.016946	0	0.106157	0.516449	0.177555	0.358136	0.127499	0.231659	1.816957
CGA	1	0.253112	0.343008	0.165836	0.697362	1.511096	0	0	0	0.261699	0	0.594083	0.05234	0.088102

CGAS	1	0.132147	0.131145	0.069965	0.038375	0.065201	0.356262	0.255278	0.155239	0.78666	0.01997	0.087367	0.314682	3.601858
CGGBP1	1	20.16599	23.54727	18.28025	17.97927	11.3166	13.95185	17.48565	17.89867	17.86278	10.25608	18.25787	15.49101	0.848456
CGN	1	2.142664	1.324308	3.802088	3.824011	1.679522	0.303061	0.515295	3.601306	3.854425	2.839831	2.554519	2.222784	0.870138
CGN1	1	0.038964	0	0	0	0	0	0	0	0	0	0.007793	0	0
CGNL1	1	6.308289	4.672624	4.064291	3.976847	2.005282	3.710802	3.175124	1.495533	3.089813	1.318713	4.205467	2.557997	0.608255
CGREF1	1	11.40194	8.611231	6.813704	8.691657	20.16326	3.1688	3.445645	3.819393	5.146319	2.337242	11.13636	3.58348	0.321782
CGRRF1	1	7.645736	8.096407	6.008154	4.593656	5.784882	8.413873	12.7545	11.63437	12.3133	8.948307	6.425767	10.81287	1.682736
CH25H	1	1.641129	1.163063	0.731462	0.651956	2.363074	0.964023	1.779243	0.995432	1.255292	7.349178	1.310137	2.468634	1.884256
CHAC1	1	2.14102	1.880563	3.199303	3.554605	7.271026	6.028239	3.565153	1.456144	1.100357	2.622487	3.609304	2.954476	0.818572
CHAC2	1	2.567726	2.194618	0.383047	0.352968	1.54209	0.807734	3.085933	1.377997	0.181342	0.093299	1.40809	1.109261	0.787777
CHAD	1	0.80229	0.463311	0.716797	0.830005	1.731825	0.572543	0.968651	0.565493	0.141394	0.318263	0.908846	0.513269	0.564748
CHADL	1	0.159107	0.126833	0.381551	0.493301	0.245513	0.14694	0.046405	0.032251	0.08064	0.954235	0.281261	0.252094	0.8963
CHAF1A	1	5.990329	4.416136	3.317759	4.288245	2.717967	3.611446	2.413446	1.350001	2.03149	3.513156	4.146087	2.583908	0.623216
CHAF1B	1	3.145402	2.743967	4.052603	3.528629	0.880656	0.609664	1.432247	2.451637	0.774314	2.21321	2.870251	1.496214	0.521283
CHAMP1	1	11.13005	9.451359	9.469756	9.201167	8.983486	4.801092	5.609249	8.164245	7.225849	9.056703	9.647164	6.971428	0.72264
CHAT	1	0.007953	0.008981	0.208427	0.476339	0.021582	0.187292	0	0.051385	0	0	0.144656	0.047735	0.329991
CHCHD1	1	21.44012	17.71826	15.24515	18.15727	58.36184	69.58336	42.45126	34.87872	11.51337	14.86408	26.18453	34.65816	1.323612
CHCHD10	1	35.01708	34.04742	47.11787	58.31458	137.133	72.23117	40.14353	35.5279	26.73917	83.36086	62.32599	51.60052	0.827913
CHCHD2	1	41.931	40.68787	47.81119	57.07953	119.6843	193.221	122.5446	121.4931	71.07345	157.3553	61.43877	133.1375	2.166995
CHCHD3	1	27.13849	30.04436	18.20084	20.33592	19.26495	30.38059	31.53321	20.67932	23.13721	12.09729	22.99691	23.56552	1.024726
CHCHD4	1	2.966323	2.540067	3.384318	3.327066	8.277444	3.569728	1.88058	1.536875	1.356263	1.349052	4.099043	1.938499	0.472915
CHCHD5	1	2.846746	2.265496	2.294933	2.014018	5.547578	13.79811	5.967994	5.629039	4.345855	11.5924	2.993754	8.266679	2.761309
CHCHD6	1	7.892278	7.873338	7.570341	9.477571	10.62881	9.326456	3.495628	2.63189	4.353374	10.4501	8.688467	6.05149	0.696497
CHCHD7	1	15.08548	14.99069	7.990957	9.989182	32.55831	8.397293	7.826701	6.911577	2.010933	6.44609	16.12292	6.318519	0.391897
CHCHD8	1	5.014313	4.504415	3.135986	4.313841	10.39095	10.97374	5.860339	15.96339	8.130139	8.373349	5.471901	9.86019	1.801968
CHD1	1	5.335527	5.77738	5.622407	3.768002	1.168324	2.908361	3.225348	9.650854	7.619606	4.9587	4.334328	5.672573	1.308755
CHD1L	1	4.066299	4.028798	4.440319	3.5266	3.825328	8.2	7.373381	10.43906	11.46361	7.723908	3.977469	9.039992	2.2728
CHD2	1	14.19494	14.22473	15.71833	17.89052	11.50826	4.836065	5.899081	11.67372	8.166849	9.00653	14.70735	7.91645	0.538265
CHD3	1	60.62547	55.73794	22.35923	29.64618	39.97265	146.0042	70.89829	46.98015	25.68735	38.37731	41.6683	65.58945	1.574085
CHD4	1	37.32704	32.56935	43.47487	42.69816	18.18046	30.29551	31.40512	55.42306	37.48527	45.30462	34.84997	39.98272	1.147281
CHD5	1	36.47616	27.62009	22.13997	28.2998	16.2992	31.91858	23.08523	11.16147	7.520294	16.42541	26.16704	18.0222	0.688736
CHD6	1	6.369329	5.753199	8.627576	7.430846	3.313917	3.581716	6.444662	11.15908	8.316332	5.038826	6.298974	6.908124	1.096706
CHD7	1	1.942437	2.04672	10.45414	4.253901	1.072804	3.645217	2.851121	41.25342	30.59399	31.46475	3.954	21.9617	5.554299
CHD8	1	11.79863	10.61679	10.00362	9.234816	5.813447	10.8297	13.30585	19.18137	14.20104	16.46202	9.49346	14.79599	1.558546
CHD9	1	6.198029	7.964513	11.93336	8.090573	2.686157	3.50226	6.303962	15.03773	19.04702	12.26163	7.374526	11.23052	1.52288
CHDH	1	1.072318	0.843357	2.626274	3.165431	2.421467	1.643453	1.155587	1.217412	1.108699	1.088629	2.02577	1.242756	0.613473
CHEK1	1	0.758089	1.102394	0.396899	0.541134	0.901788	1.385848	0.695115	0.295228	1.583724	0.655993	0.740061	0.923182	1.24744
CHEK2	1	1.271561	1.021925	1.61852	2.611859	1.735884	1.265579	0.75424	0.66532	1.431654	0.239905	1.65195	0.87134	0.527461
CHERP	1	3.841858	4.234589	6.941753	8.895259	6.950359	3.25452	5.148843	7.095589	3.857895	12.0684	6.172764	6.285049	1.01819
CHFR	1	4.098889	4.365309	6.763592	5.714733	4.711842	7.180069	8.141367	7.282924	11.47779	6.548743	5.130873	8.126179	1.583781
CHGA	1	169.0084	149.6573	75.33245	134.587	120.545	44.23404	104.3391	38.91636	30.35968	98.30592	129.826	63.23103	0.487044
CHGB	1	284.2142	242.8223	188.7308	147.6346	151.6805	51.18331	256.3128	239.9973	331.6556	395.1337	203.0165	254.8565	1.255349
CHI3L1	1	10.90364	8.26559	4.593871	5.386544	21.40536	0.112327	0	0	1.165084	0.749282	10.111	0.405339	0.040089
CHI3L2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CHIA	1	0	0	0	0.019147	0	0	0	0.041309	0	0	0.003829	0.008262	2.157489
CHIC1	1	4.920755	5.111012	4.430672	4.095155	6.86407	5.048732	7.677166	5.510878	8.356777	3.767076	5.084333	6.072126	1.194282

CHIC2	1	4.097981	2.82238	2.107023	1.353812	4.139047	3.943001	4.393051	7.693909	8.977533	6.751115	2.904049	6.351722	2.187195
CHID1	1	5.530134	5.487736	8.727831	8.731547	9.100917	5.130339	4.893865	2.957867	5.286138	15.70361	7.515633	6.794364	0.904031
CHIT1	1	0.035302	0.009967	0.346946	0.222015	0	0	0.037508	0	0.228126	0.352106	0.122846	0.123548	1.005715
CHKA	1	7.982374	9.608493	10.41048	10.95766	11.77925	14.70291	14.16105	13.73039	11.04786	10.31447	10.14765	12.79134	1.260522
CHKB	1	17.74625	18.30101	21.7364	25.2457	62.95873	24.65991	18.42479	26.76863	21.4529	21.10628	29.19762	22.4825	0.770011
CHL1	1	33.23805	47.46988	57.00383	29.36621	22.88921	12.8806	33.49939	133.4103	115.6391	89.68665	37.99343	77.02322	2.027277
CHM	1	6.537873	5.718523	3.652809	3.985878	2.702114	4.024183	9.653321	5.348351	5.110983	4.382594	4.519439	5.703886	1.262078
CHML	1	11.69733	17.71867	8.085316	6.997004	7.723236	2.775335	14.41898	5.371369	7.376099	5.045925	10.44431	6.997541	0.669986
CHMP1A	1	18.91369	17.42242	14.81629	23.22665	41.92536	10.0777	8.654272	4.404755	9.211283	17.44057	23.26088	9.957715	0.428089
CHMP1B	1	0.081968	0.023142	0.044754	0.073642	0.055608	0	0.043544	0	0.688584	0.698322	0.055823	0.28609	5.124983
CHMP2A	1	34.43966	25.60753	26.53609	31.55819	108.4811	69.65119	34.9156	36.22682	35.52492	61.63761	45.3245	47.59123	1.050011
CHMP2B	1	19.90865	21.31333	19.10092	17.03855	15.61432	26.49881	47.0489	29.32511	37.59872	25.59588	18.59515	33.21349	1.786137
CHMP3	1	19.36267	16.66993	14.09227	14.57211	14.6789	18.59542	10.75872	11.80523	15.06317	18.43952	15.87518	14.93241	0.940614
CHMP4A	1	41.55556	33.80241	24.72882	30.57397	60.87071	145.1074	38.53961	29.74439	28.6387	50.04257	38.30629	58.41454	1.524933
CHMP4B	1	50.84551	43.44244	40.63598	49.33858	93.47813	75.47868	50.97215	43.37193	40.91493	63.11636	55.54813	54.77081	0.986006
CHMP4C	0.91495	0.910798	1.692582	2.668982	1.422494	1.877169	0.301677	0.073496	0.089389	0.238405	0	1.714405	0.140593	0.082007
CHMP5	1	75.95284	70.28482	41.32322	46.92074	63.67179	91.94328	91.90867	80.29233	87.7243	75.16576	59.63068	85.40687	1.432264
CHMP6	1	7.739127	7.896345	5.758455	7.362622	9.890215	21.89901	11.58817	9.721578	7.908654	18.29524	7.729353	13.88253	1.796079
CHMP7	1	21.10737	19.17649	16.81827	20.58249	23.10184	17.75279	23.83458	18.97857	13.84126	20.4497	20.15729	18.97138	0.941167
CHN1	1	546.1895	598.5279	125.7207	210.534	761.7285	616.448	810.6883	68.12255	48.14609	42.26672	448.5401	317.1343	0.707037
CHN2	1	5.891305	7.193384	35.2801	17.8227	6.911605	3.657515	5.731105	147.5782	91.00402	103.6251	14.61982	70.31919	4.809854
CHODL	1	0.785967	0.557919	0.457739	0.591804	0.568762	0.705124	0.381747	0.386912	0.386968	0.062216	0.592438	0.384594	0.649171
CHORDC1	1	14.8915	22.36597	20.80339	18.95992	6.752156	9.00987	20.73529	13.93299	10.91414	5.796972	16.75459	12.07785	0.720868
CHP1	1	37.27107	32.44918	35.49629	42.44397	39.57858	48.38262	45.64224	24.97133	23.1292	14.00282	37.44782	31.22564	0.833844
CHP2	1	1.064557	0.267158	0.200922	0.551023	0.962952	0.687799	0.865753	0.237765	0.135886	0.021848	0.609322	0.38981	0.639744
CHPF	1	7.533193	6.873659	17.53652	20.47096	8.416566	4.298431	7.124644	4.150453	6.84449	23.52715	12.16618	9.189033	0.755293
CHPF2	1	2.914399	2.221388	6.238583	6.861001	2.472702	5.563387	6.976675	7.70031	10.72966	12.68279	4.141615	8.730564	2.10801
CHPT1	1	16.99644	13.76322	17.27456	16.76701	29.22596	43.57986	42.75903	33.00199	22.76782	33.13453	18.80544	35.04865	1.863751
CHRAC1	1	6.82565	5.722789	3.704152	5.004951	11.11354	4.113312	6.373041	5.826712	7.805723	6.257771	6.474217	6.075312	0.938386
CHRD	1	1.917306	0.947286	1.249059	2.251055	3.325741	3.87673	4.189922	1.126174	0.535011	3.449784	1.938089	2.635524	1.359857
CHRDL1	1.91E-06	5.677274	6.994231	8.579067	10.47594	10.73769	0.600223	3.29016	2.667744	4.446887	2.859855	8.49284	2.772974	0.326507
CHRDL2	1	0.485451	0.468273	0.331314	0.969198	1.564358	0.423421	0.967086	0.522758	0	0.218557	0.763719	0.426365	0.558274
CHRM1	1	17.0037	15.64058	6.076219	17.87761	37.17339	9.706781	12.57068	2.629104	0.147843	0.061123	18.7543	5.023105	0.267838
CHRM2	1	5.319722	3.652435	2.433725	2.457018	2.518716	0.40478	2.057512	0.118458	0.281378	0.028572	3.276323	0.57814	0.17646
CHRM3	1	8.57064	9.697577	3.273379	5.237513	1.190984	3.293551	14.49936	0.085605	0	0.15142	5.594019	3.605987	0.644615
CHRM4	1	2.819342	3.114033	1.061609	3.292575	9.593437	0.786292	1.690239	0.091366	0	0.205685	3.976199	0.554716	0.139509
CHRM5	1	0.046982	0.132641	0.923453	0.52058	0	0.122935	0	0	3.339568	0	0.324731	0.692501	2.132535
CHRNA1	1	0.020804	0.035241	0.022718	0.024921	0	0	0.132623	0	0.080662	0.017292	0.020737	0.046115	2.223839
CHRNA10	1	0	0.012693	0.024546	0	0.061	0	0	0	0	0	0.019648	0	0
CHRNA2	1	0.070721	0.144757	5.956062	9.684144	0.239892	0.208185	0.178456	0.422667	0.228502	0.360034	3.219115	0.279569	0.086846
CHRNA3_1	1	0	0	0.114893	0.126036	0	0	0	0	1.631771	0.174902	0.048186	0.361335	7.498774
CHRNA3_2	1	2.500972	1.318924	2.215727	1.399028	0.256106	0.370427	0.100272	0	0.365918	0.176495	1.538151	0.202623	0.131731
CHRNA4	1	2.933938	3.26138	9.601364	8.990186	2.171384	6.786678	3.048832	0.618017	9.461793	5.335853	5.391651	5.050235	0.936677
CHRNA5	0.356345	0.536597	0.515729	0.473749	0.929988	0.526691	6.213858	2.692909	3.629294	7.672794	3.985543	0.596551	4.83888	8.111429
CHRNA6	1	0.0747	0.260108	1.685804	0.909743	0.185819	0.456086	0.251329	0.096529	3.53992	0	0.623235	0.868773	1.393973
CHRNA7	1	3.138225	1.559914	2.169916	1.611111	0.493211	3.614407	9.809748	0.782873	4.13417	1.853063	1.794475	4.038852	2.250715

CHRNA9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CHRNB1	1	0.765283	0.698494	1.385158	1.839734	1.450863	3.319193	3.163269	5.89285	1.84263	2.143495	1.227907	3.272287	2.664932
CHRNB2	1	7.195202	8.430141	13.54659	13.96887	0.526923	2.201708	6.555893	5.659528	4.46136	6.114905	8.733544	4.998679	0.572354
CHRNB3	1	0	0.012383	1.145451	0.549467	0	0.028691	0.003883	0.358947	1.379312	0.009114	0.34146	0.355989	1.042551
CHRNB4	1	0.604616	0.256049	0.192567	0.694088	0.102546	0.988798	1.177713	1.171946	0.520941	0.900378	0.369973	0.951955	2.573041
CHRND	1	0	0.069312	0	0.073521	0.22207	0.053533	0.043473	0.052874	1.850851	0	0.072981	0.400146	5.482909
CHRNE	1	0.350548	0.527835	1.39197	1.399731	0.547702	1.723349	1.354358	4.474951	5.436621	3.655293	0.843557	3.328914	3.946282
CHRNG	1	0	0	0.047336	0	0.117634	0	0	0	0	0	0.032994	0	0
CHST1	1	7.007437	6.411218	10.0564	12.03606	12.98918	13.1871	12.43	2.943438	8.259181	4.123061	9.700058	8.188555	0.844176
CHST10	1	20.7217	21.83664	31.55461	35.55451	45.02452	17.23605	20.70406	22.74908	21.11394	30.27501	30.93839	22.41563	0.724525
CHST11	1	3.29917	3.167631	0.441567	0.230665	3.048154	2.97278	4.951045	1.600796	0.365001	0.064019	2.037438	1.990728	0.977075
CHST12	1	2.023802	1.782683	4.296147	3.093406	2.723999	4.194122	3.405978	6.067265	2.38541	3.99671	2.784007	4.009897	1.440333
CHST13	1	0.148511	0.064505	1.521909	1.409515	0	0	0	0	0	0.645671	0.628888	0.129134	0.205337
CHST14	1	0.997045	0.454718	1.256254	1.504427	2.731669	2.608932	0.753758	1.040633	0.743418	0.924331	1.388823	1.214215	0.874276
CHST15	1	6.312611	6.679262	6.153342	5.966011	7.749692	3.185396	5.246827	0.544149	0.633284	0.254546	6.572184	1.972841	0.30018
CHST2	1	18.46513	16.5062	14.19306	22.33951	15.88932	13.53296	14.22571	8.800697	6.446519	7.142285	17.47864	10.02963	0.573822
CHST3	1	1.786795	1.088861	2.574873	2.193024	0.900865	0.932534	0.565378	0.340663	0.832852	0.381426	1.708884	0.61057	0.357292
CHST4	1	0.032577	0	0	0.019512	0	0	0.70956	0	0.042103	0.758163	0.010418	0.301965	28.98521
CHST6	1	0.855356	0.450185	2.871285	1.132149	0.594617	1.105274	0.622693	0.382082	0.327547	0.329141	1.180718	0.553347	0.468653
CHST7	1	0.471548	0.63237	1.174664	1.156207	0.899738	2.429207	1.769185	0.742639	1.409315	3.564161	0.866906	1.982901	2.287333
CHST8	1	0.800835	1.215575	3.00902	2.124936	4.089362	3.289736	6.404378	0.111275	0.044516	3.03469	2.247946	2.576919	1.146344
CHST9	1	1.18359	0.643565	3.296108	1.582852	0.764732	0.229412	0.199609	0.809238	0.809356	0.780762	1.494169	0.565675	0.378589
CHSY1	1	5.702836	4.718762	5.117661	5.974514	3.574387	4.492212	6.478436	6.234604	6.656313	2.821043	5.017632	5.336522	1.063554
CHSY3	1	2.55493	2.38825	0.480619	0.913017	0.873938	2.022472	3.398888	0.610368	0.887937	0.463974	1.442151	1.476728	1.023976
CHTF18	1	1.180781	1.034926	1.308634	2.097046	0.860844	3.381769	2.396752	4.888731	7.956732	6.367062	1.296446	4.998209	3.855316
CHTF8	1	7.922117	7.467096	9.179607	10.77649	18.54962	23.36132	15.71271	17.10467	14.25062	16.29637	10.77899	17.34514	1.609162
CHTOP	1	34.30916	37.20745	41.13412	44.00752	89.60235	50.97206	44.19249	52.45173	46.97024	51.93915	49.25212	49.30513	1.001076
CHUK	1	9.544202	8.713201	8.731042	8.439852	6.28868	9.857389	19.59247	11.26879	9.680647	5.988415	8.343395	11.27754	1.351673
CHURC1	1	22.70746	21.80897	13.95539	14.81344	21.6627	20.45212	24.61151	27.60386	35.1402	32.83138	18.98959	28.12781	1.481223
CIAO1	1	14.01765	12.34853	14.02559	15.98019	16.66029	3.098495	4.499757	6.45153	7.16941	6.579184	14.60645	5.559675	0.380631
CIAPIN1	1	16.34214	14.38786	15.61819	18.19345	25.08219	32.15658	34.48649	24.76251	24.76612	45.05561	17.92477	32.24546	1.798933
CIART	1	4.297538	3.54938	2.269367	1.675019	4.838903	8.190542	5.779089	5.73572	4.509661	16.3351	3.326041	8.110023	2.438341
CIB1	1	8.901567	8.304315	12.0114	13.90843	20.34183	24.73153	13.72123	11.7397	10.3198	25.56526	12.69351	17.2155	1.356244
CIB2	1	3.72398	4.181273	4.851691	4.293809	8.562143	7.132792	6.202909	3.328328	6.546664	10.81107	5.122579	6.804353	1.328306
CIB3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CIB4	1	0.090933	0.161372	0.553226	0.105038	0.052878	0.169958	0.041406	0.243404	0.335779	0.372503	0.192689	0.23261	1.207178
CIC	1	6.905193	7.245418	19.12483	21.62065	7.551641	15.06257	8.504279	10.23604	12.48871	27.49036	12.48955	14.75639	1.181499
CIDEA	1	0.261953	0.289394	0.895453	1.193773	2.132562	4.708692	1.899825	1.869115	0.382709	1.571417	0.954627	2.086352	2.185516
CIDEB	0.270533	0	0	0.113384	0.186572	0.140885	0.950941	0.386122	1.844918	2.348419	4.509329	0.088168	2.007946	22.77402
CIDEC	1	0.038224	0	0.08348	0	0	0	0	0	0.922161	0.80486	0.024341	0.345404	14.19025
CIITA	1	0.32337	0.229778	0.476108	0.705087	0.374671	0.114088	0.030883	0.084512	0.507146	0.126837	0.421803	0.172693	0.409417
CILP	1	0.387496	0.290371	1.08355	0.724466	0.393098	1.573039	1.077358	2.293066	2.770801	6.935122	0.575796	2.929877	5.088393
CILP2	1	0.755263	1.116554	1.069653	0.800545	2.509129	0.527005	0.525239	0.106469	0.047327	0.7533	1.250229	0.391868	0.313437
CINP	1	16.98732	16.13401	6.303336	10.1745	30.93712	8.199533	3.504582	4.582083	5.115628	6.408514	16.10726	5.562068	0.345314
CIP2A	1	1.524784	1.508136	1.713029	1.445834	0.6514	0.707734	0.567555	0.288345	2.149795	0.691282	1.368637	0.880942	0.643664
CIPC	1	19.94263	19.10258	29.21493	27.04204	24.10902	19.50089	33.81358	84.71745	38.27792	39.66618	23.88224	43.19521	1.808675

CIR1	1	33.47494	30.52107	15.42892	18.14315	29.14682	26.2778	20.83791	22.50428	10.66985	9.917371	25.34298	18.04144	0.711891
CIRBP	1	34.82091	31.19023	36.29462	40.06068	73.59251	61.80762	45.06187	77.6202	47.6477	117.0797	43.19179	69.84342	1.617053
CISD1	1	26.54487	24.44968	21.14505	23.76574	88.81424	54.44301	45.58168	28.78977	27.5248	29.38361	36.94392	37.14457	1.005431
CISD2	1	8.653247	6.303342	7.781674	7.590278	5.191775	7.16481	20.06611	14.15317	11.07012	8.198921	7.104063	12.13062	1.707561
CISD3	1	6.913542	5.317709	5.112227	7.662192	27.40299	55.12591	23.82938	8.019341	6.47269	12.3523	10.48173	21.15992	2.018743
CISH	1	0.828425	1.551904	1.277116	0.98069	3.729156	0.612059	0.538463	0.125942	0.503842	0.58325	1.673458	0.472711	0.282476
CIST1	1	0.393504	0	0.156254	0.428524	0.630997	0	0	0	0	0	0.321856	0	0
CIT	1	17.14543	16.57521	28.08805	30.24582	16.23162	14.32023	18.65996	8.124781	9.636097	7.96441	21.65723	11.7411	0.542133
CITED1	1	3.308071	3.423265	2.763231	3.204907	13.44764	16.27762	5.405141	5.143337	9.606835	14.19692	5.229423	10.12597	1.936346
CITED2	1	18.01767	19.07097	18.73603	18.70163	32.42997	29.88031	38.92303	58.10092	44.79941	33.08302	21.39125	40.95734	1.914677
CITED4	1	0.755714	1.485603	8.557882	5.465116	4.671171	1.391538	0.416332	0.831875	0.940518	5.909018	4.187097	1.897856	0.453263
CIZ1	1	9.424883	9.045271	12.86986	15.94104	11.18208	14.58403	12.69511	17.01019	16.09	28.44057	11.69263	17.76398	1.519246
CKAP2	1	1.631027	1.473543	0.992716	1.953798	0.885214	3.050464	5.022643	6.454243	3.510955	0.542262	1.38726	3.716114	2.678744
CKAP2L	1	0.287406	0.243427	0.350054	0.225107	0.119989	0.05785	0.17617	1.214167	0.485738	0.08269	0.245197	0.403323	1.644896
CKAP4	1	7.885373	6.212169	5.723261	6.066265	8.633	4.4788	5.00423	4.332126	4.332756	6.161602	6.904014	4.861903	0.704214
CKAP5	1	33.95504	35.55861	38.65001	39.09895	22.88979	21.61697	35.91231	45.5664	44.13328	32.29269	34.03048	35.90433	1.055064
CKB	1	279.4193	283.054	505.5602	582.621	420.2439	378.3328	459.2604	321.3223	445.2286	1222.712	414.1797	565.3713	1.365039
CKM	1	2.896732	0	0.026142	0.071694	0.064965	0	0	0	77.90743	15.5205	0.611907	18.68559	30.53666
CKMT1A	1	67.97032	52.98418	68.0145	71.88979	190.5337	99.37684	97.92638	87.53784	76.31825	122.3735	90.27849	96.70657	1.071203
CKMT2	1	3.894064	3.071104	5.49306	9.145823	7.968716	1.20269	1.112335	0.461954	7.392332	1.08241	5.914553	2.250344	0.380476
CKS1B	1	3.463599	3.085439	2.5841	2.654344	10.68341	12.60949	3.977128	4.94833	7.562594	9.798745	4.494179	7.779258	1.730963
CKS2	1	0.661087	0.33935	0.328134	0.467948	0.978531	2.516134	2.426432	2.252169	1.087412	4.096076	0.55501	2.475645	4.460542
CL43	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CL46	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CLASP1	1	17.86117	16.1889	18.75021	20.28061	14.38276	34.2214	18.61629	16.05152	15.90273	11.1244	17.49273	19.18327	1.096642
CLASP2	1	69.36441	83.19159	73.95421	80.61507	56.11965	66.01162	85.47897	72.98922	86.15325	50.35511	72.64899	72.19764	0.993787
CLASRP	1	3.480667	3.639792	8.784373	11.24875	6.991298	15.93166	10.1	11.44152	9.1328	15.34784	6.828976	12.39076	1.814439
CLBA1	1	6.732768	7.009153	4.057113	8.013689	14.68635	0.786742	2.875049	4.412556	1.554334	2.83819	8.099815	2.493374	0.307831
CLCA1	1	0.006408	0	0	0	0	0	0	0	0.066251	0	0.001282	0.01325	10.33928
CLCA2	1	0	0	0.051675	0.198403	0	0.061913	0	0.015288	0	0.019666	0.050016	0.019373	0.387346
CLCA3	1	0.009447	0	0	0	0	0	0	0	0	0	0.001889	0	0
CLCA4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CLCC1	1	20.40026	20.42878	17.68333	16.55967	13.93369	11.16187	10.41774	9.314623	16.74324	6.541118	17.80115	10.83572	0.608709
CLCF1	1	0.272681	0.202086	0.614134	0.663493	1.41056	0.089189	0.036215	0.264273	0.044052	0.35413	0.63259	0.157572	0.24909
CLCN1	1	0	0	0.078777	0	0.048942	0.062923	0.383244	0.372892	0.27971	0.729535	0.025544	0.365661	14.31499
CLCN2	1	4.104009	2.485004	3.358228	3.791928	6.072074	5.91051	8.101117	7.934379	6.907614	9.28141	3.962249	7.627006	1.924919
CLCN3	1	25.24255	23.53052	25.9653	29.99405	24.82323	7.990074	26.73585	17.1326	17.517	14.9387	25.91113	16.86285	0.650795
CLCN4	1	27.88917	29.61456	25.64793	26.84938	21.70385	19.25183	46.56523	16.83107	22.97558	20.2421	26.34098	25.17316	0.955665
CLCN5	1	1.344215	1.610619	2.781641	2.352531	1.262487	2.175275	2.333731	4.666558	2.986637	4.770176	1.870298	3.386476	1.81066
CLCN6	1	9.049462	8.80769	13.98351	12.17588	0.455308	8.525717	16.2854	16.44981	8.310039	8.304364	8.894369	11.57506	1.301392
CLCN7	1	11.25546	11.63222	19.21286	24.23781	16.23354	6.392832	12.48741	12.96602	9.043748	9.526473	16.51438	10.0833	0.610577
CLCNKA	1	0.154484	0.14123	0.112463	0.088122	0.499071	0.076997	0.015632	0.190122	0.03803	0.207889	0.199074	0.105734	0.531129
CLDN1	1	0.412935	0	0.26721	0.128243	0	0	0.324987	0.237157	0.63251	0.152541	0.161678	0.269439	1.666522
CLDN10	0.000195	5.456833	2.306187	6.433993	8.608669	7.540296	0	0.047425	0.173041	0.346133	0.074201	6.069196	0.12816	0.021117
CLDN11	1	35.33734	31.38476	98.63688	166.8818	57.9184	105.8017	56.24276	35.77897	37.55519	13.72997	78.03183	49.82171	0.638479
CLDN12_1	1	7.572233	7.961194	3.186225	3.808273	5.909001	2.079685	6.697675	4.009671	5.825421	4.153629	5.687385	4.553216	0.800582

CLDN12_2	1	0.029882	0	0	0	0	0	0	0	0.07724	0.074511	0.005976	0.03035	5.07832
CLDN14	1	0.010809	0.012207	0.023607	0	0	0	0	0	0	0	0.009325	0	0
CLDN15	1	0.731994	0.984102	2.040178	1.436366	1.835048	0.145934	0.014814	0.108103	1.045145	0.672147	1.405537	0.397229	0.282617
CLDN16	1	0	0	0.028474	0	0	0	0	0	0	0	0.005695	0	0
CLDN17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CLDN18	1	0.04013	0.005665	0	0	0	0.052503	0.042637	0.142607	0.596442	0.350225	0.009159	0.236883	25.86341
CLDN19	1	0.073098	0.100239	0.091224	0.175126	0.269207	0.054649	0	0	0.431873	0.052077	0.141779	0.10772	0.759773
CLDN2	1	0.217892	0	0.199557	0.050518	0	0	0	0.036331	0.109009	0.011684	0.093594	0.031405	0.335544
CLDN20	1	0.346171	0.450315	0.01914	0.020996	0.249713	0.045864	0.130359	0	0	0	0.217267	0.035245	0.162218
CLDN23	1	0	0	0.079213	0.017379	0	0.037963	0.077073	0.074991	0.225007	2.122339	0.019319	0.507475	26.26878
CLDN25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CLDN3	1	0.030915	0.034913	0.270069	0.333296	0.083893	0	0	0.079898	1.118737	1.721602	0.150617	0.584047	3.877693
CLDN34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CLDN4	1	0.036397	0	0.026497	0	0	1.714299	0	0.031355	0.313599	0.060504	0.012579	0.423952	33.70386
CLDN5	1	5.509058	5.539385	30.5293	37.17822	14.94977	6.629521	1.502435	1.29435	6.853437	14.86321	18.74115	6.228591	0.332348
CLDN6	1	0	0.03243	0.125433	0.137599	0.155857	0.150285	0.061022	0.185543	0.371141	0.214817	0.090264	0.196562	2.177632
CLDN7	1	0.043881	0.024777	0	0	0	0.114821	0	0.113407	0	0	0.013732	0.045645	3.324128
CLDN8	1	0	0	0.020549	0	0	0	0	0	0.097285	0.031283	0.00411	0.025714	6.256497
CLDN9	1	0	0	0.044729	0	0	0.053591	0	0	0	0.034046	0.008946	0.017527	1.959283
CLDND1	1	27.48725	30.56997	20.48895	20.37971	33.41423	25.66421	39.13442	33.45319	21.76955	16.95396	26.46802	27.39507	1.035025
CLDND2	1	0.356036	0.276425	0.461681	0.626411	1.630401	0.17468	0	0.05751	0.747734	0.86928	0.670191	0.369841	0.551844
CLEC10A	1	0	0.023423	0	0.062113	0	0.108544	0	0.107207	0.37528	0.724044	0.017107	0.263015	15.37447
CLEC11A	1	0.409765	0.478175	0.715928	1.210775	1.779147	0	0.261219	0.564807	0.988556	4.404871	0.918758	1.243891	1.353883
CLEC12A	1	0.290788	0.124561	0.350383	0.456436	0.054421	0	0	0	0.725715	2.316921	0.255318	0.608527	2.383411
CLEC12B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CLEC14A	1	1.10825	1.229204	1.858502	2.074322	1.960197	13.56747	2.312922	1.432105	2.557702	2.253505	1.646095	4.424741	2.688023
CLEC16A	1	6.587551	7.055211	8.274612	9.501227	6.866897	2.634096	5.471174	4.095471	5.418531	4.109963	7.6571	4.345847	0.567558
CLEC17A	0.000156	0.006844	0.007729	0	0.008199	0	0.214912	0.247246	0.176888	0.566125	0.216174	0.004554	0.284269	62.41498
CLEC18C	1	0.103251	0.042959	0.047473	0.065097	0.221203	0	0.300237	1.320192	3.736406	11.43653	0.095997	3.358672	34.98741
CLEC19A	1	0.125625	0.070934	0	0.150485	0.227269	3.068029	0.489401	0.649339	0	0.06961	0.114863	0.855276	7.446076
CLEC1A	1	0.466095	0.139332	0.943085	0.804655	0.46501	0.753291	0.56804	0.248005	0.106303	0.034183	0.563635	0.341964	0.606712
CLEC1B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CLEC2B	1	0.211761	0.193899	0.268737	0.140545	0.170842	0	0	0	0.133142	0.014271	0.197157	0.029483	0.149539
CLEC2L	1	7.708404	8.503871	9.877096	8.646726	35.14559	8.394577	14.6757	5.604243	7.447817	22.91201	13.97634	11.80687	0.844776
CLEC3A	1	0	0.038881	0	0.041242	0	0	0	0.266937	0	0	0.016025	0.053387	3.331613
CLEC3B	1	21.23337	7.871514	19.40424	25.66725	34.03514	30.84823	4.571412	3.224755	16.79341	22.70877	21.6423	15.62931	0.722165
CLEC4A	1	0.208112	0.149039	0.310397	0.109447	0.110195	0	0	0.013118	0.603535	0.075941	0.177438	0.138519	0.78066
CLEC4D	1	0	0	0	0	0	0	0.143728	0.349614	0	0	0	0.098668	#DIV/0!
CLEC4E	1	0.033993	0	0	0	0	3.913671	2.094741	1.493481	0	0.056507	0.006799	1.51168	222.3546
CLEC4F	1	0	0	0	0	0	0	0	0	0.989341	0.057842	0	0.209437	#DIV/0!
CLEC4G	1	0	0	0	0.033933	0	0.074123	0.090291	0.07321	0.146441	0.023545	0.006787	0.081522	12.0122
CLEC5A	1	0.032314	0.014597	0.028229	0.04645	0	0	0	0	0.066821	0	0.024318	0.013364	0.549555
CLEC6A	1	0.042732	0.072387	0.023331	0.025594	0.231923	0	0	0	0	0	0.079194	0	0
CLEC7A	1	0.570873	0.5606	0.56014	0.445986	0	1.125748	0.070323	0.106912	0.042771	0	0.42752	0.269151	0.629564
CLEC9A	1	0	0	0	0	0	0	0	0	0.075557	0	0	0.015111	#DIV/0!
CLECL1	0.14379	0.069175	0.03906	0	0	0	2.353084	1.249435	0.491638	1.162223	0.057496	0.021647	1.062775	49.09614

CLGN	1	22.19076	15.62107	8.984913	9.579059	9.907706	6.688732	9.346811	13.44957	10.64653	5.796642	13.2567	9.185657	0.692907
CLHC1	1	6.816501	6.244532	4.148193	6.230404	10.69401	14.95664	13.48512	16.2176	2.661267	3.290208	6.826727	10.12217	1.482726
CLIC1	1	13.09172	2.23553	6.684742	5.63932	11.24032	38.21769	15.19984	21.84	16.94136	14.87724	7.778326	21.41523	2.753192
CLIC2	1	0.45725	0.106313	0.602107	0.539682	0.218969	3.765362	1.900401	1.060088	1.946674	0.637145	0.384864	1.861934	4.837897
CLIC3	1	0.044491	0.138172	0.850213	1.092564	0.40748	0	0	0	0.287505	1.007696	0.506584	0.25904	0.511347
CLIC4	1	34.90376	28.10799	43.63913	43.54265	13.38191	31.41996	26.55607	14.58253	45.56196	13.85622	32.71509	26.39534	0.806825
CLIC5	1	1.379597	0.968479	3.238491	2.181722	1.097447	4.548077	0.798412	0.69679	0.771029	0.762861	1.773147	1.515434	0.854658
CLIC6	1	0.103168	0.033982	0.619616	0.231721	0	0.112482	0	0.022219	0.711122	0	0.197697	0.169165	0.855675
CLINT1	1	28.30036	24.28876	13.97354	14.86223	8.179263	10.95753	23.0221	18.97731	26.83389	11.94733	17.92083	18.34763	1.023816
CLIP1	1	20.17452	17.70173	13.41491	12.56417	10.41003	13.46474	16.4202	37.20107	34.48041	24.28443	14.85307	25.17017	1.69461
CLIP2	1	29.48483	26.33819	37.10825	48.58279	25.49173	12.97057	15.99351	6.990117	12.07956	13.28061	33.40116	12.26287	0.367139
CLIP3	1	93.06986	84.47495	91.34902	92.78403	61.10783	79.73413	111.783	95.65677	91.2642	128.6984	84.55714	101.4273	1.199512
CLIP4	1	13.49552	12.3933	7.775938	7.332329	7.14229	11.66206	25.67222	7.632824	9.433956	10.31765	9.627875	12.94374	1.344403
CLK1	1	23.17979	37.18192	32.09017	32.46549	56.9503	113.1542	93.31872	200.9105	122.7685	44.54499	36.37353	114.9394	3.159973
CLK2	1	12.05458	10.96214	13.99868	13.71336	25.02923	23.1912	16.12405	32.90412	16.22718	13.89996	15.1516	20.4693	1.350966
CLK3	1	9.168968	11.74518	14.72345	17.25516	25.33833	16.82925	15.26685	22.66638	12.59427	19.24748	15.64622	17.32085	1.107031
CLK4	1	7.084591	8.427326	6.764518	6.227488	9.549078	5.555679	6.787418	10.8777	15.15675	9.76309	7.6106	9.628128	1.265094
CLMN	1	2.183265	3.320391	14.8689	17.06555	3.291905	1.581571	1.245357	1.996417	3.226854	1.13152	8.146004	1.836344	0.225429
CLMP	1	3.952937	1.9718	2.400223	2.197727	2.357047	0.742135	3.973892	1.60343	4.81099	1.679608	2.575947	2.562011	0.99459
CLN3	1	1.922662	1.735516	4.838315	4.415025	7.076986	6.510654	5.866807	7.221399	7.566376	8.758877	3.997701	7.184823	1.797239
CLN5	1	8.666757	6.735005	5.40796	5.493819	2.74464	5.74935	4.706007	16.1343	15.95635	7.768787	5.809636	10.06296	1.732115
CLN6	1	4.224963	2.68851	5.247443	4.532947	2.552245	3.999138	6.901222	4.329691	2.848895	0.378647	3.849222	3.691519	0.95903
CLN8	0.726772	1.595358	2.55987	6.10744	6.7736	4.412855	0.580242	0.981677	0.573097	1.846914	2.867047	4.289825	1.369795	0.319313
CLNK	1	0.00531	0.029982	0	0.019082	0	0.639126	0	0	0.219599	0.008827	0.010875	0.17351	15.95533
CLNS1A	1	23.42574	21.81152	16.25141	15.48566	53.15165	39.50063	41.2429	37.45244	37.24349	19.16539	26.0252	34.92097	1.341814
CLOCK	1	6.94396	8.757012	5.630922	4.857569	3.959224	8.685036	9.63769	10.37146	12.17497	7.491101	6.029737	9.672052	1.604059
CLP1	1	4.132092	4.725357	2.866934	3.716823	7.610362	2.576215	2.599278	3.546868	1.966485	2.231778	4.610314	2.584125	0.560509
CLPB	1	12.16142	9.564007	11.25343	11.07729	3.508817	5.554812	7.948878	6.982706	6.51814	8.52818	9.512992	7.106543	0.747036
CLPP	1	10.64614	7.686337	9.936218	12.77474	33.87799	5.714332	3.905766	3.668579	4.60991	21.81171	14.98428	7.942059	0.530026
CLPS	1	0	0	0	0	0	0	0	0	1.09295	0.058574	0	0.230305	#DIV/0!
CLPSL2	1	0	0	0	0	0	0	0	0	0	0.259088	0	0.051818	#DIV/0!
CLPTM1	1	21.19687	20.1712	35.90621	45.28623	22.69928	44.45158	43.52472	37.52279	26.86481	41.39945	29.05196	38.75267	1.333909
CLPTM1L	1	11.13003	11.52334	13.79371	16.79067	21.16944	18.46965	21.75373	22.05886	15.95888	28.72359	14.88144	21.39294	1.437559
CLPX	1	17.11479	15.93096	12.87696	14.21555	13.10339	9.815598	14.41579	16.19226	23.20885	18.475	14.64833	16.4215	1.121049
CLRN1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CLRN2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CLRN3	1	0	0	0	0	0	0	0	0	0	0.028934	0	0.005787	#DIV/0!
CLSPN	1	0.758091	0.554615	0.619066	0.746232	0.107333	0.310487	0.238134	0.315183	0	0	0.557067	0.172761	0.310126
CLSTN1	1	303.429	299.5115	206.973	233.489	279.5388	113.4942	342.5334	153.9376	83.18056	191.986	264.5883	177.0263	0.669064
CLSTN2	1	6.580758	10.02377	6.198218	5.069799	1.434417	3.731694	9.588877	14.2387	1.467176	1.710205	5.861392	6.147331	1.048784
CLSTN3	1	83.62715	95.55461	123.1456	135.7708	103.1302	44.04456	112.8175	118.5511	90.9861	164.3477	108.2457	106.1494	0.980634
CLTA	1	61.94887	52.6277	46.71007	50.95516	103.7179	127.4057	87.44115	76.03098	99.91612	129.4469	63.19193	104.0482	1.646542
CLTB	1	73.17579	55.8562	49.91097	54.69537	111.7645	125.5917	60.10093	44.96869	52.96947	137.6941	69.08057	84.26499	1.219807
CLTC	1	128.6994	148.743	125.7878	117.1161	84.55803	107.8127	204.1399	186.1073	213.6074	174.9754	120.9809	177.3285	1.465757
CLTRN	1	3.504629	2.197133	2.532249	2.15794	2.382047	1.405562	2.185428	1.659133	1.828699	1.753203	2.554799	1.766405	0.691407
CLU	1	814.4677	535.8918	746.8991	1005.685	847.1089	531.7123	819.2721	609.9119	597.8071	882.8298	790.0105	688.3066	0.871263

CLUAP1	1	12.98423	8.703202	9.854475	9.199899	10.05938	12.12038	10.94583	8.961148	7.259414	9.503209	10.16024	9.757995	0.96041
CLUH	1	6.920062	6.875319	10.66579	11.57436	6.528558	3.017913	10.84988	10.61116	7.313219	14.97845	8.512817	9.354126	1.098829
CLUL1	1	0	0	0.01549	0.008496	0	0	0	1.594719	2.71325	0.341912	0.004797	0.929976	193.8603
CLVS1	1	8.215288	8.912313	5.191839	3.738821	3.993537	2.595396	4.822459	18.975	11.11913	6.129317	6.01036	8.728261	1.452203
CLVS2	1	8.578575	11.69652	10.04087	6.21431	7.000828	5.788663	7.520705	14.39571	25.99189	30.0034	8.706219	16.74007	1.922772
CLYBL	1	3.088252	2.615686	3.058607	1.61311	1.218096	3.758566	2.556276	2.923424	1.392309	1.880369	2.31875	2.502189	1.079111
CMAS	1	62.94833	58.32573	32.48335	39.46113	38.83895	83.6565	86.94991	55.03776	50.38655	77.81697	46.4115	70.76954	1.524828
CMBL	1	19.57584	20.8727	12.68359	12.22086	33.01798	17.16114	17.08015	13.09759	11.41568	15.80276	19.67419	14.91146	0.75792
CMC1	1	3.841409	4.846134	3.735843	2.488693	8.464742	11.39913	5.735342	7.587427	12.39256	9.819618	4.675364	9.386815	2.007719
CMC2	1	18.34664	16.15221	12.92145	12.87429	75.34297	25.99195	12.39929	12.62552	4.20912	6.722245	27.12751	12.38963	0.456718
CMC4	1	4.682496	2.318277	2.111971	2.885858	10.81916	6.392618	2.163058	3.726956	4.472997	3.891935	4.563552	4.129513	0.90489
CMIP	1	33.70291	33.13781	37.41023	53.10743	28.60549	33.58309	29.90859	14.3403	18.79882	19.38632	37.19277	23.20342	0.623869
CMKLR1	1	1.110908	0.789632	1.669782	1.189847	0.531995	1.504734	0.666529	0.270219	0.202694	0.228122	1.058433	0.57446	0.542745
CMPK1	1	27.88989	26.54878	14.62834	15.40663	33.19607	72.85573	92.29571	80.85645	112.6093	62.9548	23.53394	84.3144	3.582672
CMPK2	1	7.5062	8.245189	6.808124	8.008938	13.20391	10.16942	15.16586	10.91876	6.228838	6.469027	8.754472	9.79038	1.118329
CMSS1	1	6.120788	8.551684	2.742064	4.151698	8.553341	19.71206	21.78844	6.25317	12.10249	10.13131	6.023915	13.99749	2.323654
CMTM1	1	0	0.275702	0	0	0	0	0	0	0	0.028988	0.05514	0.005798	0.105143
CMTM2	1	0	0.601831	0	0	0	0.192341	0.234296	0.28496	0.095	0	0.120366	0.161319	1.340239
CMTM3	1	1.712411	0.844744	1.809164	1.599559	1.811795	3.041123	0.775048	0.63908	1.502056	0.822122	1.555535	1.355886	0.871653
CMTM4	1	14.85889	14.88169	15.58024	17.86691	11.15872	8.743378	9.518911	6.131358	7.967606	7.35979	14.86929	7.944209	0.53427
CMTM5	1	4.404594	6.330716	13.87911	19.60408	33.47435	14.19544	8.481226	4.005897	5.942945	3.392554	15.53857	7.203612	0.463596
CMTM6	5.49E-12	13.33828	13.52641	18.21536	17.59993	20.29019	1.403604	1.403954	1.487758	2.029057	0.543715	16.59404	1.373617	0.082778
CMTM7	1	1.393111	0.993113	2.586125	3.400179	2.953473	6.288149	1.739171	1.867716	1.03527	1.100012	2.2652	2.406064	1.062186
CMTM8	1	2.692932	1.78274	1.723817	1.72416	6.740753	18.95265	4.982387	14.27945	3.720397	4.978234	2.93288	9.382623	3.199115
CMTR1	1	16.82987	15.5648	16.19996	19.3158	16.47292	18.2218	25.67521	29.80433	20.24692	20.93649	16.87667	22.97695	1.361462
CMTR2	1	0.085131	0.042728	0.041316	0.056654	0	0.074253	0.271349	0.440033	0.0489	0.086482	0.045166	0.184204	4.07836
CMYA5	1	0.693882	0.773538	0.467279	0.409369	0.677385	1.951734	1.499723	0.737288	1.397978	0.232175	0.60429	1.16378	1.925861
CNBD2	1	0.244288	0.143456	0.085363	0.210695	0.1591	2.505743	0.602156	0.833381	1.161851	0.081218	0.16858	1.03687	6.150601
CNBP	1	82.13986	73.4787	78.26043	85.14009	158.1012	178.1582	124.7476	200.1786	201.9611	338.4525	95.42406	208.6996	2.187075
CNDP1	0.001904	0.274791	0.143226	0.092328	0.037981	0.114722	1.908207	6.804869	2.44466	3.469464	1.238614	0.132609	3.173163	23.92863
CNDP2	1	13.91176	12.63029	19.28792	24.81934	20.86962	17.09686	20.3611	15.6542	10.14136	20.72245	18.30379	16.79519	0.91758
CNEP1R1	1	10.57324	9.350237	6.356916	6.246568	10.18744	14.10244	20.85029	21.18559	22.06599	14.39612	8.542882	18.52009	2.167897
CNFN	1	0	0	0	0.026783	0.242691	0	0	0	0.115584	0.037167	0.053895	0.03055	0.566847
CNGA1	1	0	0.023724	0	0.016777	0	0	0	0	3.113263	0.046562	0.0081	0.631965	78.01888
CNGA2	1	0	0	0	0.014216	0	0	0	0	0	0	0.002843	0	0
CNGA3	1	0.008817	0.333574	0.096283	0.026406	0.382837	0.046144	0.093682	0.05697	0.113956	0.051301	0.169583	0.07241	0.426989
CNGA4	1	0.016554	0	0	0	0	0	0	0	0	0.137594	0.003311	0.027519	8.311668
CNGB1	1	0.935573	0.418139	0.209379	0.792026	0.035885	0.588231	0.210747	0.589532	2.751549	0.873789	0.4782	1.002769	2.096965
CNGB3	1	0	0	0	0	0	0	0	0	0.12041	0.064531	0	0.036988	#DIV/0!
CNIH1	1	25.95413	25.82882	22.29507	18.98937	18.6293	17.31183	45.35048	37.99701	41.00597	22.78436	22.33934	32.88993	1.472288
CNIH2	1	27.9958	16.65034	22.04169	31.69625	38.18416	74.78654	17.93393	8.392104	11.11548	17.6768	27.31365	25.98097	0.951208
CNIH3	1	2.988819	2.745749	1.023131	1.843441	5.049639	1.684677	4.760537	0.825202	0.202948	0.426361	2.730156	1.579945	0.578701
CNIH4	1	8.292856	9.865982	7.312306	7.038769	21.24049	15.20134	13.99386	15.24338	13.52617	7.482501	10.75008	13.08945	1.217614
CNKSR1	1	0.063212	0.079317	0.030678	0.075721	0.152476	0.294051	0.19402	0.217823	0.290472	0.023351	0.080281	0.203943	2.540376
CNKSR2	1	34.12297	41.49423	23.54888	19.79679	22.99865	23.86106	49.85035	66.99068	51.27751	53.19174	28.3923	49.03427	1.727027
CNKSR3	1	4.567477	3.803788	11.20501	14.20303	6.211464	7.585688	8.941171	3.867418	5.579596	2.712906	7.998154	5.737356	0.717335

CNMD	1	0.24612	0.324269	6.594924	8.958178	0.436697	0.677041	0.596749	0.277267	2.707829	1.390007	3.312038	1.129779	0.341113
CNN1	1	4.9295	4.726077	11.99942	8.703749	3.866801	0.201544	0.163671	0.165886	1.990916	29.49157	6.845109	6.402717	0.935371
CNN2	1	4.888052	1.286336	2.957747	3.212394	2.555558	4.459034	2.839711	3.963714	2.967423	7.469563	2.980017	4.339889	1.45633
CNN3	1	19.9358	12.14053	26.68443	26.32466	31.57495	16.26811	22.50009	16.26306	24.10519	30.17942	23.33207	21.86318	0.937044
CNNM1	1	12.71806	14.56147	11.35856	11.60037	19.02322	6.396024	16.85816	10.49659	3.476381	7.155158	13.85234	8.876464	0.640792
CNNM2	1	4.124756	4.014906	5.371707	5.358203	3.814756	2.638946	3.850542	4.355023	7.154717	4.073628	4.536866	4.414571	0.973044
CNNM3	1	6.238661	6.666162	13.79754	13.35113	11.62336	4.621946	4.412951	8.364366	12.63225	8.560196	10.33537	7.718342	0.746789
CNNM4	1	2.80135	3.511129	6.307611	4.310446	3.886627	1.466038	2.230177	6.566922	3.018776	3.758217	4.163432	3.408026	0.818562
CNOT1	1	13.08126	13.41595	16.18942	12.78293	7.635641	13.14092	16.09919	27.16296	27.76317	18.9134	12.62104	20.61593	1.633457
CNOT10	1	4.110557	4.605292	3.940905	3.823717	3.500207	8.216111	11.44789	9.731194	10.50718	11.19722	3.996136	10.21992	2.55745
CNOT11	1	4.285188	4.77505	3.561269	4.815215	4.244951	2.728802	5.116981	3.773281	3.528776	5.232241	4.336334	4.076016	0.939968
CNOT2	1	11.45561	11.4964	9.604171	8.389269	10.54906	16.94266	17.99235	37.00011	27.19284	22.6073	10.2989	24.34705	2.364043
CNOT3	1	7.36594	7.199037	10.31431	11.67169	5.502617	7.390982	7.516385	10.78253	10.51617	13.87081	8.410719	10.01537	1.190787
CNOT4	1	5.358534	5.365987	5.408297	5.351206	4.630627	5.808251	8.792382	8.927787	8.821506	6.941641	5.22293	7.858314	1.504579
CNOT6	1	5.581194	5.696893	6.715922	4.993951	5.288533	5.153484	5.456866	12.31359	10.10532	7.96921	5.655299	8.199695	1.449914
CNOT6L	1	4.509724	5.985196	5.51379	4.083949	4.074073	5.748928	6.720341	14.00607	15.03431	10.82531	4.833346	10.46699	2.165579
CNOT7	1	32.53921	29.46309	21.87759	18.26522	32.82373	36.94354	45.73791	33.48074	43.47757	27.16643	26.99377	37.36124	1.384069
CNOT8	1	5.776336	6.291031	4.980795	5.42657	5.174297	9.228626	12.48628	13.06052	11.40345	6.567199	5.529806	10.54921	1.907701
CNOT9	1	7.443903	7.307324	7.474571	7.418026	9.708336	7.612166	6.602162	8.168003	8.127724	7.698348	7.870432	7.641681	0.970935
CNP	1	39.12452	79.61353	185.6977	297.6925	195.4355	118.3873	68.77709	29.06184	37.91694	28.92246	159.5127	56.61312	0.354913
CNPPD1	1	2.863147	2.585412	6.004866	5.723048	8.586685	7.343244	4.188815	6.973867	4.845707	12.00264	5.152632	7.070855	1.37228
CNPY1	1	0.045502	0	2.384981	0	0	0	0	7.790794	12.46708	24.14782	0.486097	8.88114	18.27032
CNPY2	1	21.63831	15.58295	10.61421	11.6437	41.55415	71.82967	45.87652	55.9861	30.04877	43.96795	20.20666	49.5418	2.451756
CNPY3	1	10.43382	9.426381	8.067851	10.75894	16.83533	26.49013	17.22774	11.95233	10.27758	13.38339	11.10446	15.86623	1.428816
CNPY4	1	14.54839	8.448662	8.028081	7.209743	10.467	11.5153	10.89162	12.74502	8.497915	12.90975	9.740374	11.31192	1.161344
CNR1	1	16.05538	13.60707	19.68305	8.584783	7.53224	3.675243	11.51915	24.97777	47.69806	17.46124	13.09251	21.06629	1.609034
CNR2	1	0	0	0	0.016279	0.036878	0.071119	0.014439	0	0.070254	0.011295	0.010631	0.033421	3.143654
CNRIP1	1	39.17541	39.68928	19.62344	24.31127	57.75534	55.65352	45.76931	37.20276	31.75097	42.70606	36.11095	42.61652	1.180155
CNST	1	6.07504	6.785814	5.703529	5.106807	4.108414	4.039046	7.522627	10.38301	5.845236	8.236543	5.555921	7.205293	1.296868
CNTD1	1	0.123096	0.019859	0.230431	0.021065	0.07158	1.012314	1.158391	0.545372	0	0.365404	0.093206	0.616296	6.612181
CNTD2	0.000145	0	0.015314	0.029615	0	0	0.070965	0.043222	0.087614	0.455659	0.890392	0.008986	0.30957	34.4514
CNTF	1	0.59226	0.528034	0.595678	0.728135	1.163105	0.040783	0.281512	0.483367	0.443151	0.725446	0.721442	0.394852	0.547309
CNTFR	1	9.431526	7.238196	33.77846	29.3769	9.0434	7.645037	12.68843	21.80322	26.33759	76.35793	17.7737	28.96644	1.629736
CNTLN	1	1.564509	1.208467	1.501333	1.014132	0.680025	2.303867	0.856311	2.966899	5.391964	2.550072	1.193693	2.813823	2.357241
CNTN1	1	33.88717	43.62664	55.35888	39.29079	16.42181	23.05455	59.10501	104.6844	105.0027	67.74231	37.71706	71.9178	1.906771
CNTN2	1	15.57702	24.51679	57.7008	80.24437	41.26613	17.43966	27.63101	18.66697	14.84802	6.026879	43.86102	16.92251	0.385821
CNTN3	1	3.640639	2.959316	1.814613	2.264474	1.160724	1.672414	4.821397	1.175334	1.982473	0.45359	2.367953	2.021042	0.853497
CNTN4	1	11.66964	9.449782	6.383196	8.54048	3.741702	3.807942	18.19689	11.67823	8.803407	8.0045	7.956961	10.09819	1.269102
CNTN5	1	2.005939	1.891915	1.347967	1.808778	0.059818	0.288399	2.66993	0.911514	0.512801	0.036643	1.422883	0.883858	0.621174
CNTN6	1	2.605348	3.5018	4.212212	3.886802	1.098823	1.617196	4.732403	23.84908	11.40295	1.868777	3.060997	8.694082	2.840278
CNTNAP1	1	26.64593	30.07753	34.96451	43.72899	28.50479	44.39212	65.25187	24.8209	20.42503	19.2489	32.78435	34.82776	1.062329
CNTNAP2	1	28.54204	34.04117	25.49557	20.42273	19.52564	8.149357	18.14602	15.53199	26.66427	17.87298	25.60543	17.27292	0.67458
CNTNAP3	0.951973	0.552855	0.575613	0.66555	0.520117	0.292735	2.794476	1.702011	0.878203	2.746525	3.747845	0.521374	2.373812	4.552993
CNTNAP4	1	17.27806	23.16583	16.41684	17.48335	13.88309	4.289861	18.0919	22.05663	26.14723	19.9855	17.64544	18.11422	1.026567
CNTNAP5	1	6.501587	9.4651	4.775569	4.183816	5.033146	3.657375	7.364983	2.909701	3.345565	8.645137	5.991844	5.184552	0.865268
CNTRL	1	3.289462	3.386891	4.480778	4.252716	1.690977	5.080151	2.319472	4.447912	3.692523	3.149843	3.420165	3.73798	1.092924

CNTROB	1	4.727878	4.732104	8.47108	7.150088	4.403889	2.050922	3.33104	4.116261	6.909052	7.525227	5.897008	4.7865	0.811683
COA1	1	14.23335	15.42217	9.271516	13.77499	46.1557	19.19714	13.95481	8.876759	8.167806	7.650863	19.77154	11.56948	0.585158
COA3	1	60.00661	42.91196	38.36705	40.92569	202.5436	52.69884	25.11034	14.10992	18.9414	32.9142	76.95098	28.75494	0.373679
COA5	1	18.02965	18.06216	11.3259	14.45646	51.16242	21.68644	31.3088	23.04778	27.06002	25.86232	22.60732	25.79307	1.140917
COA6	1	3.256093	2.861381	2.548375	2.103317	9.28832	5.29235	2.81012	1.033948	2.183097	3.029642	4.011497	2.869831	0.715402
COA7	1	3.053997	3.231644	1.969432	2.707766	5.089988	6.48112	7.562672	2.641319	2.113362	5.836278	3.210565	4.92695	1.534605
COASY	1	3.292641	2.327621	4.538734	4.681857	3.66689	8.772384	7.251121	13.96908	10.87624	11.1744	3.701549	10.40865	2.81197
COBL	1	2.406886	2.892468	1.433056	2.486879	0.49379	5.655947	2.730083	0.171009	1.268503	0.66455	1.942616	2.098018	1.079997
COBLL1	1	5.440006	4.426565	6.774632	6.27741	1.916922	15.28946	6.175527	4.038228	9.8043	1.474211	4.967107	7.356345	1.481012
COCH	1	62.684	14.30233	19.59359	18.61304	13.15072	42.09585	22.45208	15.59738	2.887099	4.267494	25.66874	17.45998	0.680204
COG1	1	5.475692	6.379596	8.982551	10.88517	10.58972	17.24552	22.99473	61.37703	18.41258	28.94448	8.462546	29.79487	3.520793
COG2	1	7.024135	8.529588	8.119348	9.226791	11.87157	5.199457	5.085032	8.917982	8.587913	11.63206	8.954287	7.884488	0.880527
COG3	1	5.320715	5.954378	5.385413	5.528314	3.503581	5.896351	7.974869	10.91175	7.130462	6.73858	5.13848	7.730402	1.504414
COG4	1	7.96638	7.573086	10.05267	9.025694	5.517916	9.001396	11.1276	17.51116	15.91173	23.3022	8.027149	15.37082	1.914854
COG5	1	8.009887	8.615734	6.123819	6.126924	6.983518	6.705816	14.5598	11.50061	11.30827	6.203021	7.171977	10.0555	1.402055
COG6	1	14.13805	13.72691	11.54805	11.54807	13.29906	6.6368	15.96337	23.76215	17.55683	8.673736	12.85203	14.51858	1.129672
COG7	1	7.711856	7.34947	7.091533	9.575859	10.82776	7.992529	6.826826	13.53022	8.962187	12.46516	8.511295	9.955385	1.169668
COG8	1	7.481814	6.765491	10.02369	12.51296	7.433939	10.05897	8.97033	11.60644	6.036225	14.31854	8.843578	10.1981	1.153164
COIL	1	6.137589	5.308335	6.153279	5.045614	5.916797	7.668792	9.853003	12.53246	11.96704	10.0262	5.712323	10.4095	1.822288
COL10A1	1	0	0	0	0	0	0.064471	0.013089	0.031839	0	0	0	0.02188	#DIV/0!
COL11A1	1	7.74872	4.678409	3.406594	3.616263	1.299259	4.668378	8.133758	3.20418	3.165565	1.457747	4.149849	4.125926	0.994235
COL11A2	1	2.784029	3.412413	1.964946	5.988714	1.781246	6.411277	15.46917	3.210038	1.462645	0.964164	3.18627	5.503459	1.727242
COL12A1	1	4.98378	0.569606	3.02152	2.077771	0.497723	1.696307	1.303626	2.137181	1.103485	2.820269	2.23008	1.812174	0.812605
COL13A1	7.79E-06	2.063026	1.319459	1.268558	1.567547	1.159534	8.944666	4.738505	13.33806	17.6371	29.77728	1.475625	14.88712	10.08869
COL14A1	1	5.369369	1.21058	1.940542	2.065981	0.943799	4.450568	2.242444	2.376422	1.699451	0.795946	2.306054	2.312966	1.002997
COL15A1	1	5.051084	2.549987	1.264088	2.209036	2.419954	0.281775	0.572061	1.174099	0.904623	0.928603	2.69883	0.772232	0.286136
COL16A1	1	3.733651	2.316341	4.807519	7.857568	4.630668	13.14535	11.16101	1.111358	5.522312	1.389955	4.669149	6.465998	1.384834
COL17A1	1	0.072297	0.170714	6.050233	0.574739	0.347794	0.25797	0.076814	0.348217	0.356762	0.721094	1.443156	0.352172	0.244029
COL18A1	1	2.222647	0.847644	3.094801	2.976414	1.220354	2.116419	0.563737	0.29265	2.425168	7.448721	2.072372	2.569339	1.239806
COL19A1	1	0.901941	2.084826	0.882788	0.567316	0.196461	0.252583	0.467927	0.179309	0.062377	0.020058	0.926666	0.196451	0.211998
COL1A1	1	13.7342	0.552675	6.855407	5.604772	0.837435	1.435554	1.390999	2.84381	3.400177	0.409359	5.516898	1.89598	0.343668
COL1A2	1	43.32112	1.1467	8.107541	6.363912	1.840653	8.523548	4.194527	15.66152	20.28315	8.730012	12.15599	11.47855	0.944272
COL20A1	1	0.400155	0.253261	0.32652	0.942883	0.346052	2.945603	0.186881	0.113646	0.545579	1.154946	0.453774	0.989331	2.180228
COL21A1	1	2.087246	3.203166	0.888995	1.400582	3.243343	2.379544	6.634534	1.040822	1.746149	0.071985	2.164666	2.374607	1.096985
COL22A1	1	0.612034	0.417376	2.673318	2.125079	0.649902	0.649879	1.520441	1.406016	9.461419	1.155025	1.295542	2.838556	2.191019
COL23A1	1	1.163759	0.631706	1.151445	2.988371	3.419776	1.71606	5.451373	1.345973	5.218482	1.635287	1.871011	3.073435	1.64266
COL24A1	1	2.580496	3.27767	1.775306	1.434481	1.258398	2.683785	6.920938	0.472339	0.888408	0.126966	2.06527	2.218487	1.074188
COL25A1	1	6.307043	6.933465	3.488157	6.554666	1.653015	1.752769	5.368866	4.80404	40.35332	16.19116	4.987269	13.69403	2.745797
COL26A1	1	1.682736	0.931959	2.802034	1.544628	2.43191	0.809776	0.0411	0.366577	0.09999	1.950586	1.878653	0.653606	0.347912
COL27A1	1	1.71436	1.155291	16.33833	1.505243	1.166221	4.180324	6.059966	9.301982	21.11815	9.768654	4.375889	10.08581	2.304861
COL28A1	1	0	0.022611	0.087456	0	0	0	0	0	0	0	0.022013	0	0
COL2A1	1	1.01075	0.180908	1.191184	0.685342	0.476116	0.099804	0.105363	0.019715	0.414073	0.177531	0.70886	0.163297	0.230366
COL3A1	1	33.46991	0.838036	3.460974	2.911881	2.051403	3.357275	3.382195	3.979122	4.248599	0.674437	8.546442	3.128326	0.366038
COL4A1	1	3.847314	3.311895	8.509012	10.59371	3.162135	11.61723	9.814567	5.341717	4.206688	3.830819	5.884813	6.962203	1.18308
COL4A2	1	8.602816	6.298683	9.687464	16.59885	4.746915	5.767462	4.274976	2.461621	1.688665	1.811699	9.186946	3.200885	0.348417
COL4A3	1	1.802035	0.571168	1.562775	0.982835	0.172832	0.647009	0.652801	0.164602	0.329251	0.062278	1.018329	0.371188	0.364507

COL4A3BP	1	22.26575	22.6914	18.37733	15.04042	12.8889	13.73591	22.65619	24.20755	26.80355	15.11269	18.25276	20.50318	1.123292
COL4A4	1	1.112354	0.377851	2.025516	1.054735	0.230972	0.092158	0.367963	0.053097	0.212418	0.063426	0.960286	0.157812	0.164339
COL4A5	1	1.467656	0.635992	1.093282	1.492338	0.393643	0.02977	0.072528	0.433704	0.691087	0.170214	1.016582	0.279461	0.274902
COL4A6	1	0.453563	0.113825	0.22624	0.278368	0.205137	0.058609	0.083291	0.267727	1.114484	0.400258	0.255427	0.384874	1.506787
COL5A1	1	3.627418	2.120936	4.765889	5.688198	2.843445	4.368289	1.915227	1.325332	1.331263	15.38494	3.809177	4.865009	1.277181
COL5A2	1	4.90367	2.936782	3.31088	3.415485	1.748416	4.821257	4.869299	12.726	2.969078	2.166312	3.263046	5.510389	1.688725
COL5A3	1	5.612677	3.490876	17.54866	18.30616	5.150212	5.319145	8.091267	8.081937	5.362909	5.223284	10.02172	6.415709	0.640181
COL6A1	1	7.943449	0.505605	3.397058	3.610437	0.901816	0.917888	1.451572	2.779401	18.06277	6.145808	3.271673	5.871487	1.794644
COL6A2	1	5.974558	1.132432	15.72566	11.93848	1.685378	2.031412	3.374963	1.446279	29.89968	39.12459	7.291302	15.17539	2.0813
COL6A3	1	0.610803	0.118587	0.542761	0.324957	0.132981	0.137387	0.156197	0.27139	0.524764	0.180379	0.346018	0.254023	0.734133
COL6A5	1	0.129905	0.254926	0.172085	0.104592	0.208045	0	0	0.313717	0	0	0.173911	0.062743	0.36078
COL7A1	1	2.335739	1.2915	2.749156	2.921408	1.683302	5.403378	3.233033	8.120148	5.692764	3.358805	2.196221	5.161626	2.35023
COL8A1	1	8.934522	0.635284	1.493561	2.109691	0.458966	0.327109	4.234606	1.501375	1.710676	0.27504	2.726405	1.609761	0.590434
COL8A2	1	0.875018	0.088372	0.310733	0.460176	0.11583	0	0.015117	0	0.606815	0.118258	0.370026	0.148038	0.400074
COL9A1	1	1.846709	1.289641	2.370453	3.413754	3.336255	13.64866	27.43636	19.86194	9.919119	3.830896	2.451362	14.93939	6.094323
COL9A2	1	6.908297	7.664843	9.049531	20.49916	21.63098	13.3419	8.190375	4.989412	11.23216	5.602172	13.15056	8.671204	0.659379
COL9A3	0.054347	0.108589	0.211815	0.991731	1.206173	0.200914	2.324779	4.090482	3.788652	4.337808	38.31743	0.543844	10.57183	19.43907
COLCA2	1	0.495102	0.149099	0.216257	0.652388	1.119621	1.295516	1.122205	2.00465	1.0238	1.31684	0.526493	1.352602	2.569077
COLEC10	1	0.977064	0.946434	0.508914	0.391772	0.399379	0.663231	1.998027	1.014292	1.880941	4.811455	0.644712	2.073589	3.216301
COLEC11	1	0.129822	0.195478	0.378034	0.190071	0.156575	2.64211	0.36782	0.484636	0.14914	1.294842	0.209996	0.98771	4.70347
COLEC12	1	14.73302	3.333219	3.640152	3.375219	4.913437	13.39562	6.80952	5.615345	3.205572	1.146221	5.99901	6.034456	1.005909
COLGALT1	1	3.824893	3.600512	6.289891	4.503132	4.277945	5.685122	3.027758	4.779379	5.615934	5.241145	4.499275	4.869867	1.082367
COLGALT2	1	4.652786	3.427775	5.45145	4.532989	1.273451	1.672072	1.867061	2.606247	2.735667	1.842334	3.86769	2.144676	0.554511
COLQ	1	0.181098	0.084212	0.407143	0.216936	0.057816	0.501746	0.33955	0.867244	0.165213	0.664069	0.189441	0.507564	2.679277
COMMD1	1	25.78734	23.20643	11.19526	14.9894	64.63278	48.49894	15.17376	10.35557	11.57215	11.38659	27.96224	19.3974	0.6937
COMMD10	1	22.49625	22.64029	14.68065	14.36804	22.46662	11.29536	21.81387	14.15348	15.43232	7.425704	19.33037	14.02415	0.725498
COMMD2	1	11.67686	11.06986	7.353281	5.806729	5.507993	11.12206	14.71512	10.79996	10.61636	6.053482	8.282944	10.6614	1.287151
COMMD3	1	30.38207	32.02803	16.18597	19.21872	58.22138	61.26378	42.32441	40.15822	41.79675	32.97009	31.20723	43.70265	1.400401
COMMD4	1	10.12117	6.749552	8.62256	13.35218	31.13549	34.81694	20.57995	27.4542	7.78076	35.39002	13.99619	25.20437	1.800802
COMMD5	1	2.351562	2.633317	3.495742	3.569679	4.472319	0.930743	0.71385	0.643498	0.776396	1.662181	3.304524	0.945334	0.286073
COMMD6	1	3.157798	2.716746	2.053251	2.524013	9.574722	7.06181	4.242327	5.759971	5.918052	3.787596	4.005306	5.353951	1.336715
COMMD7	1	15.35278	16.10669	12.63538	14.3551	31.13351	27.24469	20.05858	24.42137	12.54253	11.46261	17.91669	19.14596	1.06861
COMMD8	1	12.25115	12.33052	8.978439	8.154777	16.16009	6.213135	5.300547	3.362089	5.778411	2.403968	11.575	4.61163	0.398413
COMMD9	1	12.47598	15.38224	13.37996	15.55053	24.8571	11.43952	9.953408	11.37552	9.070991	12.38422	16.32916	10.84473	0.664133
COMP	1	0.015263	0.051709	0.183334	0.018283	0.041418	0.83869	1.459471	0.355013	0	0.076116	0.062001	0.545858	8.803964
COMT	1	17.49321	18.18497	32.89414	37.47942	28.80961	6.738827	9.664184	6.425724	5.877826	19.21937	26.97227	9.585186	0.355372
COMTD1	1	2.001548	2.323734	4.820689	2.711352	5.380781	1.860004	0.794989	0.773516	1.160443	3.700389	3.447621	1.657868	0.480873
COP1	1	6.85261	6.357536	4.220609	4.667253	8.732055	7.621886	9.939082	6.47443	5.662934	6.031918	6.166012	7.14605	1.158942
COPA	1	54.57608	55.90291	62.47332	60.216	38.09678	38.16065	56.69674	64.95219	52.22018	53.42513	54.25302	53.09098	0.978581
COPB1	1	21.10806	20.6621	17.57331	16.76681	15.93329	17.89976	35.9092	33.69853	27.81917	22.25591	18.40872	27.51651	1.494754
COPB2	1	38.41293	36.11192	24.28638	30.80845	27.50156	24.09894	33.19413	27.56876	35.10701	22.42512	31.42425	28.47879	0.906268
COPE	1	24.45296	22.01005	31.24427	41.39012	61.05555	58.29577	27.15246	32.45376	53.92099	95.78177	36.03059	53.52095	1.485431
COPG1	1	54.30197	53.53342	65.12699	73.48756	43.99306	31.05811	43.27796	46.11726	57.24423	147.8811	58.0886	65.11574	1.120973
COPG2	1	16.83372	15.89693	12.75757	10.9349	15.9973	22.12537	30.12744	40.18168	36.7552	32.26934	14.48408	32.29181	2.229468
COPRS	1	13.64882	11.59134	7.392022	11.57014	25.35189	41.11472	21.48915	9.636505	6.543819	12.00773	13.91084	18.15838	1.30534
COPS2	1	7.32347	6.72882	4.7345	5.718222	7.769999	4.156115	7.990807	6.701034	10.0974	5.744496	6.455002	6.93797	1.074821

COPS3	1	39.56185	35.59739	28.41466	32.9556	54.62876	30.93042	50.19366	35.51191	31.48457	37.37101	38.23165	37.09832	0.970356
COPS4	1	30.21704	34.08691	22.78438	22.22008	36.36092	54.13549	65.33452	54.26693	55.30103	40.05631	29.13387	53.81885	1.847295
COPS5	1	36.56029	33.32689	25.10995	29.39943	62.01229	66.22768	54.58389	46.38684	45.92293	36.84143	37.28177	49.99256	1.340938
COPS6	1	65.8346	74.90152	65.36807	69.84359	189.122	223.7567	88.40974	78.9291	70.76225	132.9245	93.01395	118.9565	1.27891
COPS7A	1	15.24848	14.69304	20.25591	25.79846	30.23781	18.92172	19.13875	11.68643	10.51693	23.67254	21.24674	16.78728	0.790111
COPS7B	1	6.741855	5.495542	5.632186	6.633878	13.91052	19.23285	14.08374	11.51225	7.566759	6.867577	7.682797	11.85263	1.54275
COPS8	1	47.43286	54.79746	25.85947	34.05521	82.74676	34.05057	34.55242	25.05682	14.66658	15.59056	48.97835	24.78339	0.506007
COPS9	1	174.5375	115.7659	76.93926	87.43675	400.8457	167.3186	86.82432	30.14144	66.11292	169.9389	171.105	104.0672	0.608207
COPZ1	1	17.94407	12.7289	12.53862	14.74846	27.15113	38.53775	22.85341	19.6334	18.95914	24.51884	17.02224	24.90051	1.462822
COPZ2	1	3.84282	1.322754	1.629455	1.431921	2.677792	6.927498	2.386664	3.089355	3.193489	3.374063	2.180948	3.794214	1.739708
COQ10A	1	16.32961	14.10285	11.55925	15.1639	34.71586	7.977801	14.79721	14.18322	2.521827	3.182827	18.37429	8.532577	0.464376
COQ10B	1	19.02551	18.88625	8.232483	7.912087	18.46694	44.74975	43.78349	37.53155	45.58476	24.65814	14.50465	39.26154	2.706823
COQ2	1	9.917177	8.150082	6.188207	4.264517	16.26547	8.11133	12.19639	8.293102	14.27247	12.98321	8.95709	11.1713	1.247202
COQ3	1	4.191254	6.223595	4.592604	4.516873	14.12856	4.17433	11.09423	9.895029	17.69369	5.376123	6.730577	9.646681	1.433262
COQ4	1	5.145447	3.186246	4.701002	6.317791	7.400417	5.340682	2.059202	1.50712	3.502346	11.01969	5.35018	4.685809	0.875823
COQ5	1	12.40444	14.80851	6.975631	7.373949	11.97696	18.35654	21.15122	13.71795	12.48905	15.0984	10.7079	16.16263	1.509412
COQ6	1	6.312376	6.540434	6.756496	7.611467	17.52545	14.1188	10.27039	11.17211	11.41606	13.41962	8.949244	12.0794	1.349767
COQ7	1	10.26223	8.213704	11.75014	9.746928	20.59334	10.25447	14.53782	12.27401	12.36164	14.68531	12.11327	12.82265	1.058562
COQ8A	1	5.334177	4.832058	7.678483	7.867271	9.247567	10.97987	9.389423	11.37047	18.66869	47.63336	6.991911	19.60836	2.804436
COQ8B	1	1.93573	1.768256	3.569938	3.143261	4.972778	4.952595	3.875669	4.335746	4.136236	5.377349	3.077992	4.535519	1.473532
COQ9	1	12.18473	9.843894	11.97493	13.10834	30.64903	11.64968	14.48952	13.74692	19.86627	19.32023	15.55218	15.81452	1.016868
CORIN	1	2.503427	0.015598	0.203613	0.256452	0	0.614404	0.821795	1.267221	0.285612	0.03444	0.595818	0.604694	1.014898
CORO1A	1	14.72989	10.51836	9.467228	11.94199	33.89774	38.22888	36.28882	10.32846	7.676912	17.24365	16.11104	21.95335	1.362627
CORO1B	1	9.425055	9.493394	11.33953	12.06027	10.17156	13.97438	8.259089	7.897987	5.726235	11.73836	10.49796	9.519211	0.906768
CORO1C	1	29.45111	27.26143	15.09303	15.04305	12.00329	24.82278	29.84633	34.19167	26.2574	28.48102	19.77038	28.71984	1.45267
CORO2A	1	6.434228	6.781192	5.759345	4.351408	5.511511	1.764494	2.703777	12.57281	8.196343	20.08388	5.767537	9.064261	1.5716
CORO2B	1	52.90968	49.11224	82.42104	99.23294	101.2712	42.70244	67.8076	40.43837	41.65155	86.92865	76.98942	55.90572	0.726148
CORO6	1	7.143224	8.523387	42.05055	11.14362	27.53936	5.594899	5.685057	22.7226	28.43144	14.87176	19.28003	15.46115	0.801926
CORO7	1	4.607763	4.074815	11.77675	16.62468	9.628857	8.264645	5.161121	4.727235	6.949789	6.737491	9.342574	6.368056	0.681617
CORT	1	23.84138	15.45426	1.634442	7.470707	46.80669	2.051521	2.49901	2.302567	4.421572	1.658752	19.0415	2.586684	0.135845
COTL1	1	6.866318	6.727592	17.28947	19.45273	14.10642	19.5834	7.932925	15.69277	10.72191	22.41743	12.88851	15.26969	1.184753
COX10	0.011264	3.760134	4.581579	4.336505	5.104807	6.175965	0.759502	2.368993	1.756033	1.534621	1.261085	4.791798	1.536047	0.320558
COX11	1	16.74062	17.31014	17.06173	16.23079	48.17317	9.125952	7.966863	6.760183	13.79278	9.47908	23.10329	9.424972	0.407949
COX14	1	14.26678	15.14654	20.52864	28.97304	92.04979	69.60745	13.38176	9.217921	13.82889	8.708274	34.19296	22.94886	0.671157
COX15	1	12.26428	11.11483	9.351557	8.335819	11.73711	4.325813	5.238747	5.315843	5.515368	6.287157	10.56072	5.336586	0.505324
COX16	1	13.92994	13.30115	6.471983	5.901354	36.67441	26.57193	17.4474	14.97608	7.22079	7.091196	15.25577	14.66148	0.961045
COX17	1	56.55704	40.62706	29.68561	31.94851	100.534	105.916	54.2135	76.68579	99.5287	142.4149	51.87043	95.75179	1.84598
COX18	1	2.27647	2.161835	3.446307	3.098829	0.2808	1.759951	3.792949	3.142275	12.03599	6.450432	2.252848	5.43632	2.413088
COX19	0.018789	6.796077	6.097903	8.249415	11.51049	13.71247	2.760118	4.824447	4.011307	1.583983	1.528023	9.273271	2.941576	0.31721
COX20	1	8.430286	8.243811	2.171298	1.549864	20.06821	14.25475	9.029317	7.391591	5.421289	1.96965	8.092695	7.61332	0.940764
COX4I1	1	195.1722	210.5613	130.603	142.0415	531.8784	435.8379	192.545	153.5258	48.16024	156.128	242.0513	197.2394	0.814866
COX4I2	1	0.678535	0.218935	0.582173	0.406406	1.117945	9.511597	0.720926	0.501039	0.501112	1.812779	0.600799	2.609491	4.343368
COX5A	1	99.643	90.75454	72.76998	86.64798	138.5538	248.3277	182.8654	86.46585	118.3142	145.9954	97.67385	156.3937	1.601183
COX5B	1	204.3472	200.3809	146.4882	152.6856	742.7435	736.8344	315.268	177.1797	147.8092	304.3459	289.3291	336.2875	1.162301
COX6A1	1	213.9047	190.231	177.5905	194.4893	497.187	857.3361	355.5609	169.092	103.2464	293.0277	254.6805	355.6526	1.396466
COX6A2	1	0.45919	0	0	0.110012	0	1.922474	0	0	2.373847	1.373989	0.11384	1.134062	9.961853

COX6B1	1	87.17101	79.46986	101.6407	111.7758	667.1148	241.4842	139.7847	77.28565	46.41226	80.87594	209.4344	117.1686	0.559452
COX6B2	1	0	0.489447	0	0.276892	0.627263	1.20968	0	0	0.597479	0.480309	0.27872	0.457494	1.641407
COX7A1	1	20.2529	26.82697	15.74155	18.84926	109.7817	107.8495	29.98525	40.14233	28.33989	56.78681	38.29047	52.62076	1.374252
COX7A2	1	49.18614	64.29784	55.26462	47.22107	174.2471	224.5071	120.1454	66.82932	28.4117	40.29035	78.04336	96.03676	1.230557
COX7A2L	1	59.10359	66.69165	36.07367	36.9382	122.5777	80.22531	48.64052	43.9747	54.10505	88.77713	64.27696	63.14454	0.982382
COX7ALP1	4.30E-12	0.255522	0.288563	0.186017	0.051015	0.115567	61.28977	18.37054	9.135292	66.04786	43.46743	0.179337	39.66218	221.1604
COX7B	5.97E-12	33.35664	31.33239	22.91053	23.37589	120.2046	0.078316	0.158998	0.077352	0.077363	0.07463	46.23601	0.093332	0.002019
COX7B2	1	2.01945	0.836211	1.32312	2.499722	13.88298	21.13688	28.25059	0.347943	0.173997	0.16785	4.112296	10.01545	2.435489
COX7C	1	62.35252	65.70188	20.05261	23.4474	323.119	6.115605	2.660562	1.402212	14.67143	28.6531	98.93467	10.70058	0.108158
COX8A	1	100.7372	97.48715	159.3373	188.3886	555.6517	183.4812	138.053	76.13633	52.30912	134.6871	220.3204	116.9333	0.530742
COX8B	1	0	0.300842	0	0	2.891639	0	0	0	1.032876	1.107095	0.638496	0.427994	0.670316
COXP1	2.06E-08	0.585161	0.031468	0.060856	0.100137	0	53.22637	28.59906	18.86793	10.51572	24.82785	0.155524	27.20739	174.9397
CP	1	8.783634	0.286744	2.603489	2.129117	0.607284	0.518009	3.539083	19.57541	15.90733	2.782909	2.882054	8.464549	2.936985
CPA1	0.006111	0	0	0	0.033036	0	1.443267	0.498123	0.320736	0.641566	1.444101	0.006607	0.869559	131.6078
CPA3	1	0.631569	0	0	0.066364	0.060136	0	0	0	0	0	0.151614	0	0
CPA5	1	0.190464	0.22161	0.289915	0.428656	0.9554	0.211434	0.134909	0.223747	0.298372	0.105538	0.417209	0.1948	0.466912
CPA6	1	0	0.112457	0.086992	0.143144	0.054046	0	0	0	0	0.165536	0.079328	0.033107	0.417347
CPAMD8	1	0.467456	0.29292	0.199201	2.895414	0.355805	0.850255	0.369466	0.913451	1.370375	3.68633	0.842159	1.437976	1.707487
CPB1	1	0	0	0.028287	0	0	0	0	0	0	0.043062	0.005657	0.008612	1.522311
CPB2	1	0.1207	0	0	0	0	0.126332	0.102592	0.062388	2.995075	0.461479	0.02414	0.749574	31.05116
CPD	1	16.81694	23.28651	35.40198	45.67507	17.21592	20.79741	35.83814	18.66851	25.87724	14.64329	27.67928	23.16492	0.836904
CPE	1	517.0948	469.1459	286.0437	331.4551	548.9737	177.6147	466.705	203.2544	186.592	348.2805	430.5426	276.4893	0.642188
CPEB1	1	4.98827	5.570476	5.746076	6.21628	8.811512	6.67184	10.90891	16.21991	5.772342	11.09415	6.266523	10.13343	1.617074
CPEB2	1	10.64145	10.63139	14.30936	15.16834	8.401473	11.04451	14.36949	15.59523	17.67626	10.79553	11.8304	13.8962	1.174618
CPEB3	1	8.669897	11.13035	9.878175	8.165401	8.974847	10.32253	14.51174	15.57329	14.71299	8.554078	9.363735	12.73493	1.360026
CPEB4	1	21.4099	22.49772	18.85285	14.14901	8.152495	12.72364	23.77913	38.54613	50.52421	48.21666	17.01239	34.75795	2.043096
CPED1	1	0.69963	0.554517	0.778	0.718905	0.322233	1.8139	0.675143	0.663542	1.493187	0.245407	0.614657	0.978236	1.591515
CPLANE1	1	3.634433	5.286758	5.22192	3.729491	4.365294	3.397978	4.956647	8.436487	3.398582	5.097212	4.447579	5.057381	1.137109
CPLANE2	3.99E-07	5.446291	5.098403	6.883923	10.26055	4.532957	0.558446	0.811076	0.519748	0.212173	0.429822	6.444425	0.506253	0.078557
CPLX1	1	32.6339	49.20827	48.81006	56.58785	83.26574	16.55753	14.52935	2.279472	6.358352	26.94263	54.10117	13.33347	0.246454
CPLX2	1	135.736	164.4574	157.9866	120.611	204.3213	159.5096	125.5285	169.2206	90.28727	122.7692	156.6225	133.463	0.852132
CPLX3	1	1.22919	1.06531	0.707543	1.655067	4.214773	39.74345	7.208219	0.123131	0.246297	0.53855	1.774377	9.57193	5.394531
CPLX4	1	0	0	0	0	0	0	0	0	3.417259	0.064638	0	0.696379	#DIV/0!
CPM	1	1.118479	1.526533	5.394873	4.671456	1.371514	4.131789	5.242747	11.0061	4.050585	2.237108	2.816571	5.333665	1.893673
CPN1	1	0	0	0	0	0	0.194146	0	0.047939	0.095892	0	0	0.067595	#DIV/0!
CPN2	1	0.027673	0	0.080583	0	0	0	0	0.09536	0.333808	0	0.021651	0.085833	3.964371
CPNE1	1	11.94877	9.865599	16.93509	16.34454	8.341706	17.38436	20.98669	38.54347	24.14443	26.11015	12.68714	25.43382	2.004693
CPNE2	1	5.533387	4.456311	9.751998	12.50157	7.588411	10.55842	7.250346	5.635942	7.554029	17.73084	7.966336	9.745916	1.223388
CPNE3	1	4.359235	4.935808	6.194496	5.495538	3.72966	5.140466	7.151641	8.186441	17.08381	8.784408	4.942947	9.269353	1.875268
CPNE4	1	25.60961	37.21562	8.134735	13.11682	45.22115	32.25332	62.68372	0.328613	1.005316	0.2984	25.85959	19.31387	0.746875
CPNE5	1	13.70363	9.468554	5.147885	16.15783	26.23044	46.24695	32.35715	1.702482	0.115832	2.853089	14.14167	16.6551	1.177732
CPNE6	1	23.07293	17.402	17.61028	31.96653	27.08492	34.82226	34.60619	3.544366	11.06134	4.791724	23.42733	17.76518	0.75831
CPNE7	2.00E-05	3.725966	2.236554	9.310316	16.82789	4.235708	0	0.017832	0.043376	0.216913	0.06975	7.267287	0.069574	0.009574
CPNE8	1	2.189433	1.642772	1.118416	0.99574	0.845894	3.243202	7.025964	3.289582	1.688194	0.400969	1.358451	3.129582	2.303787
CPNE9	1	3.859406	5.186423	12.41261	9.998108	13.06758	21.1184	27.58193	14.88583	6.215966	4.182829	8.904825	14.79699	1.661682
CPO	1	0	0.048571	0	0	0.077809	0	0	0.037052	0	0	0.025276	0.00741	0.293178

CPOX	1	9.305842	10.09682	9.121307	8.469898	2.416554	14.07422	17.50369	12.474	11.78527	7.534863	7.882084	12.67441	1.608002
CPPED1	1	2.17005	1.740014	1.940184	1.60736	2.385655	4.624962	5.319157	6.565022	1.459106	1.822902	1.968653	3.95823	2.010629
CPQ	1	6.73926	4.532891	6.408861	6.71531	7.395803	3.812838	5.64796	4.74223	5.475282	2.713815	6.358425	4.478425	0.704329
CPS1	2.64E-09	0	0.027279	0.164858	0.028936	0.016388	3.302553	7.314406	4.143688	5.713034	1.380309	0.047492	4.370798	92.0322
CPSF1	1	8.092475	7.780894	13.29073	15.42658	9.370617	8.461611	8.641214	7.727461	10.41679	9.967738	10.79226	9.042963	0.837912
CPSF2	1	7.196777	6.96001	4.628809	5.751475	4.507938	3.706354	7.50254	6.614858	9.920365	5.760979	5.809002	6.701019	1.153558
CPSF3	1	20.32265	16.59039	7.816029	10.3923	16.93057	14.79941	20.89633	23.49484	27.66931	20.92848	14.41039	21.55767	1.495982
CPSF4	1	2.260281	2.030436	5.048555	4.172129	8.754405	1.397948	1.790203	4.434281	1.858951	3.227898	4.453161	2.541856	0.570798
CPSF4L	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CPSF6	1	8.278821	9.725452	12.6727	10.30602	3.508525	8.303312	13.28887	25.09716	28.95129	12.99124	8.898305	17.72637	1.992107
CPSF7	1	14.72969	14.02422	7.441084	6.874928	16.9273	25.25115	22.7244	36.99421	6.846803	9.20371	11.99945	20.20405	1.683749
CPT1A	1	5.345276	6.374979	8.716786	10.46602	8.536843	17.22129	16.32552	24.45186	15.84509	5.766982	7.88798	15.92215	2.018533
CPT1B	4.34E-05	0.523813	0.529926	1.978145	1.470638	2.383901	15.04851	9.43796	26.84967	17.37585	14.60324	1.377285	16.66305	12.09848
CPT1C	1	19.48745	18.55908	18.14545	18.91543	48.17463	19.37997	15.95265	27.86417	8.446894	21.16296	24.65641	18.56133	0.752799
CPT2	1	3.313533	2.68401	5.204329	6.17608	6.19362	3.915666	5.972235	4.744938	3.412952	4.828819	4.714315	4.574922	0.970432
CPTP	1	10.01786	9.175763	13.88539	14.69352	34.76185	2.134284	2.666487	4.297083	2.811079	7.17923	16.50688	3.817633	0.231275
CPVL	1	0	0.03076	0	0.016314	0	0	0.02894	0.035198	2.781051	3.98458	0.009415	1.365954	145.0832
CPXM1	1	1.370654	0.131735	0.557292	0.506543	0.47483	2.556365	1.48727	2.619099	4.635914	3.199574	0.608211	2.899644	4.767497
CPXM2	1	5.183793	4.911579	4.15488	6.93616	3.40424	11.99079	19.17763	1.044983	8.387878	31.82329	4.918131	14.48492	2.945208
CPZ	1	0.820086	0.569925	1.043131	0.744879	1.002673	4.716243	1.512843	0.652144	0.652238	0.764023	0.836139	1.659498	1.984716
CR2	1	0.070645	0.095735	0.161999	0.249643	0	0.240309	0.142611	0.310381	0.182604	0.017615	0.115604	0.178704	1.545822
CRABP1	1	79.43422	4.136739	8.088424	8.266862	20.48491	22.66521	1.677186	1.04608	4.498799	10.56369	24.08223	8.090193	0.33594
CRABP2	1	71.4547	7.299965	6.104812	3.139186	12.44497	0.457147	5.290187	20.09252	8.128495	97.50833	20.08873	26.29534	1.30896
CRACR2A	1	1.049935	0.893026	0.950586	1.22388	0.933196	0.060859	0.045892	0.090164	0.472355	0.251307	1.010125	0.184115	0.18227
CRACR2B	1	0.808479	0.566702	1.420668	2.026	2.143511	1.361713	0.256709	0.912641	1.585345	6.08645	1.393072	2.040572	1.4648
CRADD	1	2.810222	2.774732	1.643351	1.250883	2.208628	0.803651	2.251579	1.627198	0.476322	1.71034	2.137563	1.373818	0.642703
CRAMP1	1	3.671304	3.277934	6.249156	6.489273	3.402063	1.307103	1.525228	2.55068	2.106027	2.059841	4.617946	1.909776	0.413555
CRAT	1	7.686891	7.4118	13.77232	14.13433	3.828062	35.09785	24.32356	32.24031	13.19465	10.40338	9.366681	23.05195	2.461059
CRB1	1	4.011493	2.848271	3.969047	7.492087	0.721715	0.74231	2.043929	1.958937	1.856105	2.063164	3.808523	1.732889	0.455003
CRB2	1	0.944425	0.698876	1.680627	2.066031	1.204763	0.23938	0.234419	0.410279	0.69549	1.261327	1.318945	0.568179	0.430783
CRB3	1	0.048335	0	0.023458	0.025733	0	0.112424	0.011412	0.235959	0.388695	0.419601	0.019505	0.233618	11.97712
CRBN	1	31.89007	31.23422	28.10598	28.61333	15.15672	14.1629	26.79595	33.65673	22.82144	22.57354	27.00006	24.00211	0.888965
CRCP	1	6.338691	7.313795	5.950805	4.913168	4.856787	1.140772	2.730448	2.431353	1.542058	1.039398	5.874649	1.776806	0.302453
CRCT1	1	0.230283	0.057791	0.111762	0.061301	0.13887	0	0	0	0	0	0.120001	0	0
CREB1	1	5.285951	5.574128	6.880715	4.340152	1.662423	6.50358	12.38537	10.22331	7.148311	6.284752	4.748674	8.509066	1.791883
CREB3	1	16.43893	12.68728	11.76142	13.59337	23.64045	25.0453	21.73326	26.22813	21.93306	16.71967	15.62429	22.33188	1.429306
CREB3L1	1	7.318471	4.330896	5.97918	6.635678	4.104963	4.905963	2.897492	0.468036	0.605782	2.213563	5.673837	2.218167	0.390947
CREB3L2	1	2.827605	1.307516	3.96444	2.864459	0.189461	1.004788	1.446495	1.142781	0.902327	0.23212	2.230696	0.945702	0.423949
CREB3L3	0.688714	0.037675	0.106366	0.04114	0.022565	0	1.084405	1.120798	0.778947	0.584295	0.704566	0.041549	0.854602	20.56844
CREB3L4	1	0.235158	0.193791	0.291489	0.296921	0.448424	2.627626	1.134453	2.086071	1.577102	0.971996	0.293157	1.67945	5.728843
CREB5	1	0.993258	1.798729	3.076685	3.730622	0.848345	2.588667	1.929832	1.078966	2.782193	1.174207	2.089528	1.910773	0.914452
CREBBP	1	7.984882	7.997052	15.83813	12.99273	5.592214	11.01358	8.479088	17.63429	14.63424	17.87746	10.081	13.92773	1.381582
CREBL2	1	33.16745	32.36478	30.25265	34.05078	25.66559	58.29313	51.01002	38.18689	87.86409	45.25188	31.10025	56.1212	1.804526
CREBRF	1	6.979175	7.535098	6.406781	6.767498	4.742179	4.350573	5.586255	8.290288	8.899012	5.024879	6.486146	6.430201	0.991375
CREBZF	1	10.98725	12.5448	15.12137	14.4886	13.9156	9.783357	11.18172	27.70252	33.48946	25.23504	13.41152	21.47842	1.60149
CREG1	1	20.01031	20.21468	18.715	18.83767	35.4789	18.72581	29.38055	34.26359	25.84966	10.96592	22.65131	23.83711	1.05235

CREG2	1	42.72786	45.23644	18.13246	23.50892	25.12273	26.2711	8.51073	5.371365	3.665371	0.301404	30.94568	8.823995	0.285145
CRELD1	1	20.89321	21.20936	19.98308	25.341	59.56337	28.40239	52.97421	31.29573	22.38052	49.02041	29.39801	36.81465	1.252284
CRELD2	1	3.537826	3.058892	5.010135	5.545742	6.412831	2.603616	4.551733	2.857284	2.929142	3.790519	4.713085	3.346459	0.710036
CREM	1	3.532028	2.783352	1.695343	2.458394	5.450676	5.509732	5.123866	3.235039	2.758961	2.209844	3.183958	3.767488	1.183272
CRH	1	1.216325	3.445648	1.17062	2.815275	4.195812	1.078886	1.44564	0	0.639454	0	2.568736	0.632796	0.246345
CRHBP	1	11.00989	8.842815	3.394307	6.537492	15.19617	6.953941	13.15995	0.858539	0.551998	0.571941	8.996136	4.419273	0.491241
CRHR1	1	6.982635	4.571568	10.12271	11.62731	4.287932	1.575104	8.506123	63.78406	14.54799	31.57031	7.518432	23.99672	3.191718
CRHR2	1	1.815464	1.292992	0.52497	1.16693	4.548926	4.336656	5.75305	0	0.555923	1.04102	1.869856	2.33733	1.250005
CRIM1	1	12.02656	5.543224	11.85587	14.6305	2.545951	14.55174	17.1841	6.316544	21.91343	14.20585	9.320422	14.83433	1.591594
CRIP1	1	7.213266	7.89763	8.933381	10.69553	42.13277	23.01792	4.392731	2.273448	4.092802	5.118047	15.37452	7.778989	0.505966
CRIP2	1	18.33764	14.53048	25.307	36.92442	25.19045	36.12012	20.82881	14.30287	34.3057	40.54612	24.058	29.22072	1.214595
CRIP3	1	0.680467	1.05876	0.924692	0.525304	2.25691	1.028764	0.481986	1.445983	1.328934	0.402191	1.089227	0.937571	0.860768
CRIPT	1	22.12722	24.88225	8.909535	8.264848	40.04768	28.72839	14.34147	12.09809	16.23032	8.031595	20.84631	15.88597	0.762052
CRISP1	1	0	0	0	0	0	0.58913	0.039869	0	0	0	0	0.1258	#DIV/0!
CRISP2	1	0	1.97367	0.146803	0.096625	0	0	0	0	0.138998	0	0.443419	0.0278	0.062694
CRISP3	1	0	0	0	0.091733	0.207809	0	0	0	0	0	0.059908	0	0
CRISPLD1	1	8.473355	2.764218	2.341394	1.392555	1.367015	1.081557	0.645012	1.585668	2.537437	0.128831	3.267707	1.195701	0.365914
CRISPLD2	1	1.530467	1.106575	3.311908	3.834357	2.59574	1.343045	1.398034	1.519454	2.267452	2.10978	2.475809	1.727553	0.697773
CRK	1	27.89583	25.61834	22.53111	23.28325	22.35688	31.14191	35.23627	32.69779	33.66559	26.33514	24.33708	31.81534	1.307278
CRKL	1	7.23857	8.807759	21.36884	23.7682	9.362342	3.304414	2.425848	3.524823	5.327174	7.632884	14.10914	4.443029	0.314904
CRLF1	1	0.094973	0	1.996388	0.213314	0.161078	0.248512	0.302719	0.245452	2.823108	8.110908	0.493151	2.34614	4.75745
CRLF3	1	24.56277	22.78385	14.4857	10.7207	13.15857	25.64462	23.50502	17.06253	19.60886	24.40348	17.14232	22.0449	1.285993
CRLS1	1	4.991315	6.218632	4.081515	4.044391	14.27525	10.26333	14.36507	19.8565	12.48418	9.460633	6.72222	13.28594	1.976422
CRMP1	1	78.58601	79.2995	76.40042	71.99719	67.05165	52.74463	64.94043	59.1252	50.92622	110.144	74.66696	67.5761	0.905034
CRNKL1	1	10.5782	9.11047	6.281838	7.264058	5.30772	7.437897	11.40446	9.690132	12.10568	7.065303	7.708458	9.540695	1.237692
CRNN	1	0	0	0.026808	0	0	0	0	0	0.507662	0	0.005362	0.101532	18.93674
CROCC	1	3.042743	3.07838	12.05567	9.864742	2.268082	0.757589	0.70809	1.383576	5.436269	6.297595	6.061923	2.916624	0.481138
CROCC2	0.043009	0.13358	0.029197	0.465832	0.320029	0.081853	0	0	0	0	0.003582	0.206098	0.000716	0.003476
CROT	1	3.390072	2.373218	2.498613	2.481289	3.954332	7.972583	9.852352	13.74131	11.08181	7.317052	2.939505	9.993022	3.39956
CRP	1	0	0	0	0.005795	0	0	0	0	0.02501	0.008042	0.001159	0.006611	5.70332
CRTAC1	1	17.97269	17.45426	12.32182	12.54881	31.10126	11.4399	25.98954	0.397853	1.352898	3.569838	18.27977	8.550008	0.467731
CRTAM	1	0.066072	0.018654	1.352794	0.11872	0.044824	0	0	0	2.092097	2.965497	0.320213	1.011519	3.158895
CRTAP	1	4.489678	2.557867	3.820011	4.373978	4.680918	8.478793	5.720778	4.582998	2.750199	6.136824	3.98449	5.533919	1.388865
CRTC1	1	6.327374	6.209921	17.58593	13.93493	9.063936	11.62587	5.753566	10.61814	9.403686	24.85095	10.62442	12.45044	1.171871
CRTC2	1	1.96906	2.102011	7.306673	8.409678	5.359622	6.013706	4.235024	11.67823	6.590263	13.66998	5.029409	8.43744	1.677621
CRTC3	1	4.977607	5.160931	10.52387	10.17084	8.801961	7.06824	3.882942	4.472613	4.357191	3.985055	7.927043	4.753208	0.599619
CRX	1	0	0	0.165892	0	0	0	0.080705	0	4.614001	0	0.033178	0.938941	28.29983
CRY1	1	3.185618	3.236319	5.494068	3.909232	2.416299	4.411017	5.373171	18.26463	15.79813	17.54648	3.648307	12.27869	3.365585
CRY2	1	16.35468	16.85722	22.74578	25.61649	7.005448	6.309846	14.49215	19.15526	17.05486	39.72907	17.71592	19.34824	1.092138
CRYAA	1	0.070961	0	0	0	0	0	1.40735	0.427918	0.97824	0	0.014192	0.562702	39.64893
CRYAB	1	95.90564	169.1881	508.8761	982.4032	614.0045	170.9541	165.6527	217.8645	249.2516	345.7753	474.0755	229.8996	0.484943
CRYBA1	1	0	0.217532	0.210342	0.057686	0.457379	0.504033	0	0.124457	0	0	0.188588	0.125698	0.666522
CRYBA2	1	0	0	0	0	0	14.96892	0.114679	0.209216	0	0.134569	0	3.085477	#DIV/0!
CRYBA4	1	0.480388	0.284169	0.999189	0.411038	0.869077	1.795734	0.534705	1.241535	0.591293	7.111031	0.608772	2.25486	3.703946
CRYBB1	1	6.796132	4.403638	4.27547	5.548112	24.27323	7.99619	3.584994	0.370206	4.031718	9.180823	9.059316	5.032786	0.555537
CRYBB2	1	0.020798	0.046975	0.113557	0.049828	0.11288	0	0	0	0	0	0.068808	0	0

CRYBB3	1	0.037178	0.11196	0	0.02969	0	0.55126	0.355502	0.128111	0.25626	0.061802	0.035765	0.270587	7.565603
CRYBG1	1	0.874025	0.759674	1.127714	1.46692	1.478368	0.991666	0.337226	0.195891	0.648983	0.409495	1.14134	0.516652	0.452672
CRYBG2	1	0	0.049317	0.011922	0.006539	0.014813	0.214256	0.069598	2.751034	0.04233	0.1588	0.016518	0.647204	39.18126
CRYBG3	1	1.811782	2.586408	9.561433	10.41797	1.901466	1.781912	2.475236	1.509869	1.222894	0.381314	5.255813	1.474245	0.280498
CRYGA	1	0	0	0	0	0	0	0	0	0	0.525913	0	0.105183	#DIV/0!
CRYGB	1	0	0	0.131887	0.072339	0.163875	16.43376	7.250244	0.936427	0	0	0.07362	4.924085	66.88502
CRYGC	1	0	0	0	0	0	0.636159	1.162381	0.078541	0	0	0	0.375416	#DIV/0!
CRYGD	1	0	0	0	0.074005	0	0	0	0	0	0	0.014801	0	0
CRYGN	1	0.34303	0	0	0.034243	0.155145	2.094385	1.093381	0.960419	0	0.142557	0.106484	0.858149	8.058982
CRYGS	1	0	0.148838	0.095946	0.421006	0.596083	2.414054	1.867061	3.065565	1.816896	0.69378	0.252374	1.971471	7.81169
CRYL1	1	8.387105	5.335342	6.552462	7.421375	9.807088	4.69002	2.38043	3.172097	2.920768	9.165234	7.500674	4.46571	0.595374
CRYM	1	54.37621	40.31065	40.48766	43.62945	77.83977	178.7502	109.9147	9.022639	1.988953	14.04667	51.32875	62.74463	1.222407
CRYZ	1	18.05595	16.61808	20.27169	24.95942	23.48493	17.05249	11.87883	9.67672	19.12444	7.578295	20.67801	13.06216	0.631693
CRYZL1	1	12.80723	12.76705	6.585711	5.699916	11.66784	25.14166	25.70414	24.68391	24.3615	13.34192	9.90555	22.64663	2.286257
CS	1	42.15609	39.97175	36.1625	36.90334	75.93384	69.53161	67.38917	54.44292	42.68766	47.5887	46.2255	56.32801	1.218548
CSAD	1	2.243978	2.634005	3.428118	2.654943	1.844824	4.136248	2.58383	3.14255	2.314396	2.875776	2.561174	3.01056	1.175461
CSDC2	1	4.716576	6.67702	42.77571	28.06706	24.75402	5.013314	3.254391	5.75582	12.49116	38.57375	21.39808	13.01769	0.608358
CSDE1	1	109.7283	111.4161	73.17486	76.19821	64.9902	130.9058	134.5089	118.1647	150.3486	104.0789	87.10152	127.6014	1.464973
CSE1L	1	18.88891	22.09816	14.80691	14.46224	13.27522	17.28292	31.07632	36.00143	30.98063	23.70367	16.70629	27.80899	1.664582
CSF1	1	1.318698	1.240127	6.426156	8.977638	2.088526	2.087544	2.652584	1.637343	2.789953	1.646037	4.010229	2.162692	0.539294
CSF1R	1	11.16728	12.48915	24.04539	28.92704	6.842479	67.23918	26.88414	17.33958	9.29994	2.965949	16.69427	24.74576	1.482291
CSF2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CSF2RA	3.20E-05	4.507037	4.77303	5.033915	2.609867	1.674732	0.342547	0.228502	0.084582	0.410888	0.093264	3.719716	0.231957	0.062359
CSF2RB	1	0.390836	0.210922	0.377686	0.464037	0.150174	0.108604	0.536522	0.205594	0.01788	0.091993	0.318731	0.192119	0.602762
CSF3	1	0.016724	0.056659	0	0.020033	0	0.131282	0.604135	1.512764	0	0.041701	0.018683	0.457976	24.51267
CSGALNACT1	1	8.144414	8.977423	5.391868	6.292852	16.69873	3.472935	4.595336	2.854478	2.974847	2.53803	9.101058	3.287125	0.361181
CSGALNACT2	1	2.171481	2.367851	2.865048	1.849048	1.470636	4.576924	4.574578	5.805255	5.835082	3.236949	2.144813	4.805757	2.240642
CSH2	1	0.01662	0	0	0	0	0	0	0	0	0	0.003324	0	0
CSK	1	6.789748	7.244285	12.55067	11.95511	9.305068	9.596758	8.271401	7.822477	7.964581	29.12364	9.568976	12.55577	1.312133
CSKMT	1	0.509814	0.798601	1.077497	1.083505	1.606607	1.204913	0.244623	0	2.805588	10.96257	1.015205	3.043539	2.997956
CSMD1	1	4.335595	4.60126	3.182583	3.265042	1.980887	2.481345	5.621105	4.043112	4.514542	2.910045	3.473073	3.91403	1.126964
CSMD2	1	2.286466	2.082252	3.605086	4.110104	1.312095	2.050863	5.655416	1.941816	1.960317	1.209155	2.679201	2.563513	0.95682
CSMD3	1	1.212165	0.935707	0.469145	0.312465	0.416382	0.401497	0.06521	0.317243	0.793222	0.07652	0.669173	0.330738	0.494249
CSN1S1	1	0	0	0	0	0	0.314349	0.191458	0	0.724555	0.066567	0	0.259386	#DIV/0!
CSN1S2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CSN2	1	0	0	0	0.035513	0	0	0.031498	0	0	0.147846	0.007103	0.035869	5.050093
CSN3	1	0.040784	0	0	0	0	0	0	0	0	0	0.008157	0	0
CSNK1A1	1	27.99159	27.80045	27.40919	26.59511	35.26338	37.60334	49.50156	58.13786	56.98738	40.17683	29.01195	48.48139	1.671084
CSNK1B	2.79E-05	2.241493	2.030952	3.033155	3.024049	3.768833	0.019486	0	0.057738	0.057746	0.024758	2.819696	0.031946	0.011329
CSNK1D	1	13.37746	14.42678	17.56028	21.00704	15.07719	17.87586	22.95566	28.21278	18.28535	31.98758	16.28975	23.86345	1.464936
CSNK1E	1	9.011516	9.029149	8.930087	10.94752	26.37997	13.17818	10.67982	8.377544	8.245201	16.68087	12.85965	11.43232	0.889008
CSNK1G1	1	3.024321	2.77578	3.193785	2.748252	1.506921	1.725137	3.168604	4.808641	5.478417	5.678386	2.649812	4.171837	1.57439
CSNK1G2	1	14.249	15.98944	20.84232	26.31924	16.84377	16.22346	12.03752	9.556728	12.68427	23.90613	18.84875	14.88162	0.789528
CSNK1G3	1	11.844	10.46866	5.436419	5.199541	8.51033	11.46287	19.63191	18.86184	18.42641	9.647823	8.291789	15.60617	1.882124
CSNK2A1	1	25.4329	23.90324	16.95064	18.64724	19.872	30.49796	41.83722	39.50592	36.42872	25.47612	20.9612	34.74919	1.657786
CSNK2A2	1	12.25801	11.03365	7.615834	9.234717	10.85713	11.38963	13.56966	8.473249	7.693831	7.644574	10.19987	9.754189	0.956305

CSNK2B	1	40.79403	37.52292	33.72336	42.09565	80.72944	94.91943	47.10236	40.06572	53.45513	64.01901	46.97308	59.91233	1.275461
CSPG4	1	0.385909	0.335441	1.649863	2.017211	0.704499	4.687887	1.321998	0.483568	0.37482	0.439336	1.018584	1.461522	1.434856
CSPG5	1	20.73182	16.61703	10.04382	14.77316	38.63731	42.19611	33.78298	5.060203	6.409919	9.117989	20.16063	19.31344	0.957978
CSPP1	1	9.63259	11.03317	6.645956	5.764842	4.035818	5.428209	5.672263	12.87122	11.63113	5.3819	7.422476	8.196945	1.104341
CSRNP1	1	0.955745	1.14541	1.826396	2.207985	2.944241	1.110077	1.963559	0.712035	1.537716	2.452052	1.815955	1.555088	0.856347
CSRNP2	1	8.66049	8.73931	7.836982	6.853041	12.04611	7.66084	9.180535	8.507207	5.951821	7.122679	8.827187	7.684616	0.870562
CSRNP3	1	7.434663	12.43589	4.819527	6.832883	6.083037	4.322364	7.615316	1.81772	3.889485	0.95679	7.521199	3.720335	0.494646
CSRP1	1	3.364187	2.683112	9.236753	15.23883	3.828706	6.54779	4.263781	1.78879	2.752384	3.108733	6.870317	3.692296	0.537427
CSRP2	1	33.2657	21.80419	13.33672	18.67233	72.36066	42.81191	21.58063	31.52212	16.16754	25.69296	31.88792	27.55503	0.864121
CSRP3	1	0.582999	0	0	0	0.113005	0	0	0	13.56251	0.553793	0.139201	2.823261	20.28195
CST11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CST3	1	173.5229	178.3395	219.9218	251.186	618.2414	248.3526	87.22763	87.92944	89.3445	707.6697	288.2423	244.1048	0.846873
CST6	1	22.87297	7.518114	11.53803	12.58397	41.68368	31.16401	5.450907	11.60179	5.683338	14.62014	19.23935	13.70404	0.712292
CST7	1	0	0	0	0	0.122709	0	0	0	0.038961	0	0.024542	0.007792	0.317506
CST8	1	0	0.048534	0	0	0	0	0	0	0	0	0.009707	0	0
CSTA	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CSTB_1	1	0.096148	0	2.939764	0.038392	0	46.62739	13.82493	7.785978	3.479347	0.053277	0.614861	14.35418	23.34542
CSTB_2	1	28.82789	18.2435	21.34203	31.35018	66.95907	58.33264	22.777	13.33812	9.6301	34.82436	33.34453	27.78044	0.833133
CSTF1	1	4.812759	3.956416	3.798048	3.833356	6.200872	4.233066	4.855615	5.343766	4.312223	4.512837	4.52029	4.651501	1.029027
CSTF2	1	5.644842	5.267045	5.838528	5.667573	3.80999	5.334546	6.395974	7.555344	6.313607	4.076356	5.245596	5.935166	1.131457
CSTF2T	1	18.4507	19.01651	0	0.018834	21.05592	13.32977	24.08872	24.82779	0.121922	0.026137	11.70839	12.47887	1.065805
CSTF3	1	6.939376	6.81815	4.576723	5.236706	8.278235	6.052672	7.835129	10.39319	8.419983	8.925065	6.369838	8.325208	1.306973
CSTL1	1	0	0.048368	0	0	0	0	0	0	0	0	0.009674	0	0
CT47B1	1	0	0	0	0	0	0	0	0	0	0.01944	0	0.003888	#DIV/0!
CT55	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CT83	1	0	0	0	0.039766	0	0	0	0	0	0	0.007953	0	0
CTBP1	1	13.31106	13.83332	22.1402	25.00644	15.43829	8.666122	7.466737	9.573417	11.93123	27.13414	17.94586	12.95433	0.721856
CTBP2	1	5.94691	4.684045	8.043913	7.384339	7.54372	21.47485	10.55293	53.00698	37.5477	34.48674	6.720585	31.41384	4.674271
CTBS	1	0.011362	0.089816	0	0.02722	0	0	0	0	0.70483	0.075548	0.02568	0.156076	6.077819
CTC1	1	4.493336	3.85671	6.571738	6.344479	6.659869	4.273326	4.160523	11.56613	6.623507	6.404505	5.585226	6.605599	1.182691
CTCF	1	13.24155	12.34748	10.59632	10.01072	8.864329	9.801729	13.11234	16.76354	14.71103	15.68778	11.01208	14.01528	1.272719
CTCFL	1	0.005472	0.01236	0	0.026221	0.0297	0.028638	0.034885	0.056571	0	0	0.014751	0.024019	1.628336
CTDNEP1	1	18.5565	20.1831	20.28783	23.3173	47.92062	39.22066	24.29312	22.99327	16.58772	24.56204	26.05307	25.53136	0.979975
CTDP1	1	1.939101	2.142319	3.155131	3.9106	0.5519	1.156096	1.497684	1.449981	1.830867	1.836133	2.33981	1.554152	0.664221
CTDSP1	1	3.27749	1.836034	5.60389	5.992446	4.458718	5.393909	1.860255	4.357842	3.433276	3.849641	4.233715	3.778985	0.892593
CTDSP2	1	15.33991	14.80206	31.99877	30.30712	9.024036	21.96669	20.50679	36.4545	20.66735	23.61374	20.29438	24.64181	1.214219
CTDSPL	1	9.652054	8.233939	4.477928	4.127514	7.445643	3.873579	7.376053	10.35626	4.046348	1.697128	6.787416	5.469874	0.805885
CTDSPL2	1	6.327354	7.421716	4.540182	4.191406	1.851915	6.317091	9.002657	13.4981	18.29239	13.53461	4.866515	12.12897	2.492332
CTF1	1	0.500545	0.235529	0.842653	1.174217	0.424474	0.218293	0.199431	0.107803	0.107818	0.138679	0.635484	0.154405	0.242972
CTGF	1	13.90844	8.032872	7.064483	8.764753	13.97395	52.31997	16.79443	9.855028	21.14506	19.31447	10.3489	23.88579	2.308051
CTH	1	0.582418	0.495679	0.5346	0.475228	0.412302	0.706779	1.381101	2.006969	1.178175	0.687544	0.500046	1.192114	2.38401
CTHRC1	1	2.035366	1.059722	1.270046	1.61488	2.008478	5.464204	6.459492	1.366309	8.677323	0.395469	1.597698	4.472559	2.799376
CTIF	1	8.046274	8.993058	14.16102	18.46327	9.959288	9.589269	5.070263	8.510244	10.0672	12.70859	11.92458	9.189112	0.770603
CTLA4	1	0.004353	0.009833	0	0.01043	0.023628	0	0	0	0	0	0.009649	0	0
CTNNA1	1	34.81098	23.77989	28.69442	34.93587	27.91516	30.26323	18.67498	16.12637	20.19498	15.19368	30.02726	20.09065	0.66908
CTNNA2	1	36.96376	29.67381	22.82088	21.74884	26.25735	41.57823	44.69514	41.87967	38.12023	38.1338	27.49293	40.88141	1.486979

CTNNA3	1	0.564629	1.440898	3.004347	2.905737	1.723247	0.629353	0.479923	1.019581	3.616438	1.299415	1.927772	1.408942	0.730866
CTNNAL1	1	6.281962	3.123342	3.691246	3.893526	3.127187	6.185431	3.779873	4.53613	9.07358	3.870584	4.023453	5.489119	1.364281
CTNNB1	1	71.3233	55.87036	68.9752	71.04001	41.35195	107.8994	103.8037	170.7311	103.3644	146.2156	61.71216	126.4029	2.048265
CTNNBIP1	1	5.75788	5.363567	8.407004	12.72953	14.38912	13.67612	4.631405	8.379271	10.87502	12.02298	9.32942	9.916959	1.062977
CTNNBL1	1	21.68721	17.87064	14.94899	21.00887	17.51417	33.93349	33.54097	22.06749	19.37662	25.75574	18.60597	26.93486	1.447646
CTNND1	1	11.30545	10.58979	16.65244	18.29567	8.357678	10.55096	13.15129	15.44223	11.49814	9.382102	13.04021	12.00494	0.92061
CTNND2	1	56.46821	48.48373	50.50969	61.23655	39.53664	147.118	57.08827	31.53771	44.50876	48.68471	51.24696	65.7875	1.283735
CTNS	1	3.484393	3.600475	6.687093	6.678293	7.54076	1.846291	3.017195	2.577743	2.094017	6.813104	5.598203	3.26967	0.584057
CTPS1	1	7.352836	5.556646	5.866958	5.380767	5.556309	3.634088	7.723667	2.42024	2.5847	2.374653	5.942703	3.74747	0.6306
CTPS2	1	4.731806	3.65163	3.728792	3.622974	4.028042	3.683464	3.835355	5.205015	2.846062	2.826605	3.952649	3.679301	0.930844
CTR9	1	15.4044	15.14954	12.16397	11.53172	7.257209	6.759607	12.42476	14.37212	14.22857	18.85598	12.30137	13.32821	1.083474
CTRB1	1	0.194733	0.048869	0	0.155513	0	0.452933	0	0	2.684526	1.654521	0.079823	0.958396	12.00652
CTRC	1	0	0	0	0.050443	0	0	0	0	0	0	0.010089	0	0
CTSA	1	30.60474	25.88398	36.6756	36.61214	58.13862	26.97115	37.62234	59.2361	25.47761	33.63867	37.58302	36.58917	0.973556
CTSB	1	52.46673	55.07326	67.55101	77.36676	117.8634	35.46669	54.43985	26.48075	22.53671	39.13037	74.06423	35.61087	0.480811
CTSC	1	3.996286	2.491079	4.127981	3.976002	3.539715	4.608878	1.871397	1.556741	1.224099	0.29694	3.626212	1.911611	0.527165
CTSD	1	52.97827	42.52452	85.80956	94.62214	42.62118	34.41142	51.03935	33.61347	34.43295	62.65256	63.71113	43.22995	0.678531
CTSF	1	29.35239	28.33745	50.59432	58.12241	86.43056	46.55943	48.26039	69.80482	25.52375	50.38665	50.56743	48.10701	0.951344
CTSH	1	4.74888	1.893693	7.383007	9.963179	5.678972	11.37315	6.413854	10.95575	5.47867	9.343727	5.933546	8.71303	1.468436
CTSK	1	5.714309	2.100848	3.415361	3.66672	2.855978	3.568413	2.472621	5.631494	4.674437	3.86863	3.550643	4.043119	1.1387
CTSL	1	0.171094	0.35671	0.17246	0.204953	0.285719	2.755053	4.055166	3.469438	0.680381	1.115785	0.238187	2.415164	10.13978
CTSO	1	0.898267	0.513883	0.929265	0.460144	0.288663	4.144239	4.018469	0.931663	6.935026	2.279125	0.618045	3.661704	5.924661
CTSS	1	9.655929	6.595999	8.954957	8.822318	4.74963	30.9268	16.36036	11.61357	8.489052	1.879744	7.755767	13.85391	1.786272
CTSV	1	23.89922	17.0014	17.915	19.94691	17.66742	31.00025	52.90187	48.18537	14.74701	11.29913	19.28599	31.62672	1.639881
CTSW	1	0.216287	0.054279	0.236181	0.158332	0.065215	0.691716	0.025533	0.186327	0.062118	0.199745	0.146058	0.233088	1.595852
CTSZ	0.000157	9.881878	8.774734	22.04576	20.06319	9.227068	1.459701	1.947441	1.201439	0.617973	1.898817	13.99852	1.425074	0.101802
CTTN	1	30.11016	27.28898	33.08436	36.78876	36.30345	21.27399	22.86563	18.35629	21.88375	29.96312	32.71514	22.86856	0.699021
CTTNBP2	1	15.86852	17.28489	12.43625	10.02047	10.21546	12.4626	17.26865	7.304958	7.264929	3.445996	13.16512	9.549428	0.725358
CTTNBP2NL	1	9.714826	8.952646	0.987253	1.072981	3.021334	4.249517	6.154809	6.068617	1.363203	0.667958	4.749808	3.700821	0.779152
CTU1	1	0.529717	0.826621	0.904471	1.453685	3.711307	0.050403	0.204659	0.124457	0.04979	0.480309	1.48516	0.181924	0.122494
CTU2	1	1.950671	1.711093	3.447781	4.021292	2.979121	3.37118	1.812267	1.477247	5.159391	6.455168	2.821992	3.65505	1.295202
CTXN1	1	69.4877	70.6626	53.18875	159.5583	199.4969	64.62562	19.73858	0.242085	3.793223	87.30206	110.4789	35.14031	0.318073
CTXN2	1	0.446573	1.148723	1.192031	0.951017	2.019754	13.11352	2.688679	0	0.38477	0.329935	1.15162	3.303381	2.868465
CTXN3	1	1.445504	1.415564	0.011649	0.108622	1.592208	1.144489	0.238022	0	0	0	0.914709	0.276502	0.302284
CTXND1	1	0.285858	0.129129	1.311036	1.84911	0.155145	0.747995	1.700816	0.295514	0.591113	0.807826	0.746056	0.828653	1.110712
CUBN	0.092278	0.252981	0.064328	0.135381	0.060207	0.018186	0.517297	0.96122	1.935463	2.121957	3.690153	0.106217	1.845218	17.37224
CUEDC1	1	9.825258	10.41863	23.22747	25.04683	15.72781	16.25388	8.872365	10.44191	9.661566	17.58992	16.8492	12.56393	0.745669
CUEDC2	1	28.43196	21.09162	24.33029	32.00675	107.1844	89.47891	33.35724	32.79498	22.40547	42.80693	42.60901	44.16871	1.036605
CUL1	1	26.0889	30.61612	19.36223	23.86848	16.75608	25.82796	32.3989	35.73987	33.45057	33.01125	23.33836	32.08571	1.374806
CUL2	1	10.19472	10.98872	5.996503	6.97901	3.769408	6.139375	14.3912	9.374674	7.850571	5.84442	7.585671	8.720047	1.149542
CUL3	1	33.33133	36.39709	21.50463	21.48707	15.56749	22.63472	41.60023	33.35605	42.73845	28.73765	25.65752	33.81342	1.317876
CUL4A	1	19.86577	20.97241	22.79948	26.20009	16.78933	8.195005	17.31177	14.98466	12.88365	13.37275	21.32542	13.34957	0.625993
CUL4B	1	14.95954	16.39184	15.85377	14.44409	16.25469	6.26945	12.53358	18.66446	25.66736	14.87101	15.58079	15.60117	1.001308
CUL5	1	11.2296	12.43274	7.114314	7.245423	4.016	3.775065	9.093598	7.457159	17.81692	6.233549	8.407614	8.875257	1.055621
CUL7	1	12.72076	10.26172	21.93603	26.25462	6.37879	10.52364	9.355474	15.48466	8.710281	10.55311	15.51038	10.92543	0.704395
CUL9	1	4.749748	4.75913	9.267462	9.487488	4.032186	13.71771	6.943834	11.31415	7.550577	10.74121	6.459203	10.0535	1.556461

CUTA	1	20.07357	17.43463	17.46336	21.47991	43.79895	58.27607	26.80182	17.27709	16.9932	22.01062	24.05008	28.27176	1.175537
CUTC	1	9.205778	8.248942	5.227912	5.882449	11.72978	4.724624	4.476254	5.585595	8.556397	5.616433	8.058971	5.791861	0.718685
CUX1	1	9.010086	9.221519	13.7297	10.58967	10.64289	12.63165	7.403722	7.802204	7.512723	11.43265	10.63877	9.35659	0.87948
CUX2	1	19.59733	17.97646	7.74177	11.99	18.79729	28.44887	26.59464	1.722773	1.175396	1.245539	15.22057	11.83744	0.777727
CWC15	1	68.03588	59.17442	44.02821	53.91472	47.63481	64.8027	43.8055	39.09421	41.41666	42.63536	54.55761	46.35089	0.849577
CWC22	1	4.592289	4.604899	3.423823	2.87858	2.470907	8.24579	9.892982	16.95355	12.09536	7.482555	3.594099	10.93405	3.042222
CWC25	1	2.995432	2.537069	1.297997	1.167592	1.322513	0.74648	1.464993	1.351694	1.659139	1.7586	1.86412	1.396181	0.748976
CWC27	1	11.74433	10.12222	3.293045	3.632513	4.159955	5.30449	6.123327	5.498966	4.243914	5.18014	6.590413	5.270167	0.799672
CWF19L1	1	6.424606	7.728519	4.880378	4.930555	14.73664	13.88738	15.71198	22.97386	21.74552	22.4659	7.740139	19.35693	2.50085
CWF19L2	1	12.38954	12.13957	6.660309	6.943009	6.492568	9.434799	7.220274	10.10243	6.910139	4.070562	8.924998	7.547641	0.845674
CWH43	1	0.14353	0.008104	0.094039	0.05158	0.038949	0.413126	0.076248	0.074189	0.296799	0.035789	0.067241	0.17923	2.66551
CX3CL1	1	35.74015	33.5178	37.88295	54.43652	64.02745	8.041865	42.53583	3.221847	1.210013	2.723617	45.12097	11.54663	0.255904
CX3CR1	1	10.93404	11.75491	14.38717	10.6751	5.98969	19.51482	9.473473	5.12647	4.222413	0.864755	10.74818	7.840386	0.729461
CXADR	1	7.502563	7.935743	2.458559	2.102335	0.208718	2.378489	9.969677	1.752866	1.156698	0.278958	4.041584	3.107338	0.768842
CXCL10	1	0.509312	0.17974	0	0	0.172763	1.582579	1.488111	0.493608	0.16456	0	0.172363	0.745772	4.326747
CXCL11	1	0.060147	0	0	0	0	0	0.543189	0.155446	0	0.049992	0.012029	0.149726	12.44665
CXCL12	1	12.41961	6.862305	5.730202	5.082809	6.40309	32.3728	7.593538	6.569068	8.218417	2.688123	7.299604	11.48839	1.573837
CXCL13	1	0.034054	0	0	0	0	0	0	0	0.264072	0.254742	0.006811	0.103763	15.23496
CXCL14	1	76.87244	49.27335	27.28622	41.39376	112.1977	92.9624	103.3781	9.069508	17.96438	28.48382	61.4047	50.37165	0.820322
CXCL16	0.615527	5.502435	4.250502	9.805622	9.543701	8.917602	0.299959	0.28419	0.39502	1.580311	1.715041	7.603972	0.854904	0.112429
CXCL17	1	0.020503	0	0	0	0	0	0.043568	0	0	0	0.004101	0.008714	2.12495
CXCL2	1	0.200686	0.037773	0.219145	0.240401	0.499213	1.312821	0.355373	0.216109	1.037475	0.083402	0.239444	0.601036	2.510135
CXCL3	1	0.865146	0.203545	1.810718	2.029525	8.265938	8.677887	1.646893	1.071379	15.84008	4.104753	2.634975	6.268198	2.378846
CXCL5	1	1.300021	0.142536	0.27565	0.030239	0	2.840269	1.50193	0	0	0.125887	0.349689	0.893617	2.555463
CXCL8	1	0	0	0	0	0	1.526394	0.296416	0.491608	0.262229	0.02108	0	0.519546	#DIV/0!
CXCL9	1	0	0	0	0	1.600354	0	0	0	2.11066	0.150822	0.320071	0.452296	1.413113
CXCR1	1	0	0	0.122022	0.172102	0	0	0.067843	0	0	0.053073	0.058825	0.024183	0.411105
CXCR2	1	0.06347	0	0.263372	0.228092	0	0.033216	0.026974	0.016404	0	0.010551	0.110987	0.017429	0.157036
CXCR3	1	0	0	0	0	0	0	0	0	0	0.028382	0	0.005676	#DIV/0!
CXCR4	1	1.998205	0.570485	2.10845	0.927871	0.9139	6.99109	2.981801	5.628449	9.401457	5.766293	1.303782	6.153818	4.719975
CXCR5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CXCR6	1	0.138434	0	0	0	0	0	0	0	0	0	0.027687	0	0
CXHXorf21	1	1.13611	0.982061	0.490117	0.571258	0.304497	3.303131	1.013358	0.906238	0.870115	0.11658	0.696809	1.241884	1.782246
CXHXorf36	1	0.532346	0.704415	0.810313	0.796581	0.933891	3.039209	0.967431	0.620739	0.426241	0.729998	0.755509	1.156724	1.531052
CXHXorf38	1	2.811011	2.217719	2.417151	2.809988	2.166184	4.074981	3.330038	2.999618	2.025353	1.17228	2.484411	2.720454	1.09501
CXHXorf40A	1	0	0	0	0	0	0	0	0	0	0.120309	0	0.024062	#DIV/0!
CXHXorf40B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CXHXorf56	1	27.12225	19.49489	9.611545	9.828608	31.24565	11.51586	11.88916	12.60845	3.086433	2.92068	19.46059	8.404115	0.431853
CXHXorf57	0.000305	0	0.011255	0	0.035815	0	0.339009	0.910619	1.854468	1.622895	1.209375	0.009414	1.187273	126.12
CXHXorf58	1	1.312497	0.977953	0.797875	0.68076	1.285144	0	0	0	0.1399	0.224929	1.010846	0.072966	0.072183
CXHXorf65	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CXHXorf67	1	0	0.013831	0	0.014671	0	0	0	0	0	0.020359	0.0057	0.004072	0.714306
CXXC1	1	7.319186	7.226009	11.56839	12.44639	10.6476	12.2019	10.08534	15.21082	12.0144	20.67124	9.841514	14.03674	1.426278
CXXC4	1	4.173529	5.550064	2.452464	3.981039	4.435237	4.936928	4.999421	4.341524	2.503056	1.836476	4.118467	3.723481	0.904094
CXXC5	1	8.539696	10.53638	12.96778	10.33591	11.69273	9.509328	8.082213	17.99946	23.17829	43.03877	10.8145	20.36161	1.882807
CYB561	1	3.472833	4.219218	8.364889	15.8744	6.923501	2.88692	2.58419	0.842451	1.004607	2.094539	7.770969	1.882541	0.242253

CYB561A3	1	3.921124	2.892185	4.42399	4.714422	7.892136	1.135822	1.368201	1.121836	2.318799	1.322885	4.768771	1.453509	0.304797
CYB561D1	1	0.867732	0.782323	0.790494	0.849937	2.80357	0.602138	0.825165	1.003596	1.536593	1.613802	1.218811	1.116259	0.915858
CYB561D2	1	2.754213	3.070128	3.266817	5.531939	11.11439	3.41704	3.456039	2.362475	1.472926	4.460013	5.147498	3.033699	0.589354
CYB5A	0.029281	23.66123	20.63504	22.79788	19.18433	43.67748	7.704168	3.317803	4.773107	8.625129	6.555477	25.99119	6.195137	0.238355
CYB5B	1	39.31795	35.55892	35.91782	29.27893	13.51221	24.76085	34.46437	20.34436	27.87743	12.33005	30.71717	23.95541	0.77987
CYB5D1	1	1.948292	1.935945	2.567258	2.920568	2.968413	3.104384	3.423035	1.884702	2.419522	1.809336	2.468095	2.528196	1.024351
CYB5D2	0.008662	13.68942	13.80094	16.59914	18.84688	19.06418	1.985586	1.703488	5.962486	1.866514	2.512663	16.40011	2.806147	0.171105
CYB5R1	1	3.537983	2.659805	3.607333	4.702246	6.363725	4.748914	7.75636	7.430917	4.63841	13.44057	4.174219	7.603034	1.821427
CYB5R2	1	0.140681	0.031774	0.460862	0.109538	0.057264	0	0	0	0.218181	0.47941	0.160024	0.139518	0.871857
CYB5R3	1	13.50984	10.11673	21.19635	22.93467	22.59096	22.10771	18.78	11.9321	14.47011	25.94902	18.06971	18.64779	1.031992
CYB5R4	1	7.35427	7.432007	5.066107	4.5489	6.784471	11.60015	13.94787	26.95575	34.24367	9.083246	6.237151	19.16614	3.072899
CYB5RL	1	3.423556	1.781953	1.213669	1.321667	2.377639	1.16755	0.54303	0.408852	3.250325	1.921755	2.023697	1.458303	0.720613
CYBA	1	3.555987	4.640477	7.190867	9.970842	7.147985	16.54191	8.451854	6.262983	9.395841	50.968	6.501232	18.32412	2.818561
CYBB	1	2.135278	2.303309	2.364339	2.24975	0.925163	0.125206	1.753937	1.499426	1.762468	0.99427	1.995568	1.227061	0.614893
CYBC1	1	2.679109	2.945914	6.15902	6.43157	9.595515	4.683013	2.696671	2.130463	1.654153	3.056197	5.562226	2.844099	0.511324
CYBRD1	1	9.148243	6.425188	9.762348	7.553459	6.987527	3.0242	5.16462	14.23199	28.11666	5.128006	7.975353	11.1331	1.395938
CYC1	1	45.98769	51.7599	58.91307	63.0004	141.2115	107.4125	82.30908	97.43518	67.65211	149.0201	72.17452	100.7658	1.396141
CYCS	1	21.80339	26.19808	6.234314	7.442433	33.05373	25.68698	27.91394	17.62595	3.405508	8.41697	18.94639	16.60987	0.876677
CYCT	1	0.087967	0.099341	0.192116	0	0.119356	0	0	0	0	0	0.099756	0	0
CYFIP1	1	16.48204	14.50119	18.10342	17.86433	12.86366	20.32908	21.57212	22.63739	10.92998	5.097584	15.96293	16.11323	1.009416
CYFIP2	1	93.93756	62.46056	60.78451	67.1856	13.77392	23.01396	63.32444	58.72715	33.54767	56.13704	59.62843	46.95005	0.787377
CYGB	1	10.55074	12.99723	7.612405	8.215696	22.8693	1.868378	1.756849	5.633238	4.274113	16.77357	12.44907	6.06123	0.486882
CYHR1	1	6.693653	7.486434	12.48279	13.93905	14.09606	6.282736	6.470964	6.568613	5.691608	11.828	10.9396	7.368385	0.673552
CYLC1	1	0	0.177898	0	0	0	0	0	0	0	0	0.03558	0	0
CYLC2	1	0.009766	1.698513	0	0	0	0	0	0	0	0	0.341656	0	0
CYLD	1	10.18147	9.828971	8.725003	10.98067	7.053103	9.497009	13.838	9.368612	10.2749	8.368575	9.353844	10.26942	1.097882
CYM	1	0	0	0	0	0	0	0	0.371087	0	0.095474	0	0.093312	#DIV/0!
CYP11A1	1	0	0	0.155535	0.08531	0	0	0	0	0	0.59193	0.048169	0.118386	2.457725
CYP11B1	1	0.027179	0	0.158289	0.059689	0.036878	0.071119	0.038503	0	0	0	0.056407	0.021924	0.388681
CYP17A1	1	0.040389	0	0	0	0	0	0	0.052192	0.365394	0.083925	0.008078	0.100302	12.41701
CYP19A1	1	0.014508	0	0.031685	0.034759	0	0	0.007707	0.318713	0.112503	0.102499	0.01619	0.108285	6.688183
CYP1A1	1	0.183711	0.111712	0.617257	0.321635	0.556053	0.073955	0.060058	0	0.219166	0.011746	0.358073	0.072985	0.203827
CYP1A2	1	0	0	0.018721	0	0	0	0	0	0.531759	0.099745	0.003744	0.126301	33.7332
CYP1B1	1	2.693772	0.132677	0.623131	0.462415	0.09109	1.449265	0.784616	0.889215	0.911036	0.4464	0.800617	0.896106	1.119269
CYP20A1	1	4.17561	3.203607	4.764154	4.934646	4.903425	5.487581	3.978906	4.839294	5.081998	3.206051	4.396288	4.518766	1.027859
CYP21	1	0.689275	0.276207	0.372291	0.861191	0.884951	0	0.409479	1.666463	0.07663	0.443537	0.616783	0.519222	0.841823
CYP24A1	1	0	0	0	0.016714	0	0	0.177898	0.108183	0	0.115974	0.003343	0.080411	24.05447
CYP26A1	1	0.549212	0.437808	15.31071	1.573793	2.191735	2.930561	1.25858	0	0	0	4.012651	0.837828	0.208797
CYP26B1	1	1.732039	1.276374	5.674058	1.992745	1.208239	0.960204	0.603019	17.26053	3.0732	2.732825	2.376691	4.925955	2.072611
CYP26C1	1	0	0	0	0.023632	0	0	0	0	0	0	0.004726	0	0
CYP27A1	1	6.104565	3.294544	10.92872	13.21992	10.93116	20.42881	23.03173	15.80373	10.14377	10.33766	8.895783	15.94914	1.792888
CYP27B1	1	0.008639	0.058535	0.113202	0.206969	0.210987	1.356299	1.285	0.357226	0.491258	0.445181	0.119666	0.786993	6.576557
CYP27C1	0.016702	0	0	0	0	0	0.498916	0.270108	0.143725	0.123211	0.211303	0	0.249453	#DIV/0!
CYP2B6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CYP2C18	1	0.070153	0	0.021887	0	0	0	0	0	0	0.066638	0.018408	0.013328	0.724016
CYP2C19	1	0.021071	0	0	0.033654	0	0	0	0	0	0	0.010945	0	0

CYP2C87	1	0.132446	0.059829	0.019284	0.021154	0	0.092418	0	0	0	0	0.046543	0.018484	0.397132
CYP2D14	1	0.366478	0.127736	0.395247	0.514879	0.675279	0.142067	0.067299	0.385873	0.350844	0.188028	0.415924	0.226822	0.545345
CYP2E1	1	0.019666	0.111044	0.171798	0	0.106733	0	0	0	4.168277	0	0.081848	0.833655	10.1854
CYP2J2	1	0.241314	0.413474	2.108081	2.282644	1.603245	0.435474	2.104166	0.92474	0.473192	0.53947	1.329752	0.895408	0.673365
CYP2R1	1	0.094084	0.040476	0.029354	0.053668	0	0.656494	1.218578	1.331556	0.115804	0.02979	0.043516	0.670444	15.4068
CYP2S1	1	0.050811	0.043036	0.152582	0.258679	0.517063	0	0.080978	0	0.197004	0.021116	0.204434	0.05982	0.292611
CYP2U1	1	5.09416	5.48486	7.640367	6.185587	5.285273	4.817966	8.772898	9.823946	6.070791	3.625339	5.93805	6.622188	1.115213
CYP39A1	1	1.473429	1.175618	2.774865	1.899306	1.158957	1.620414	2.79064	2.442083	4.415707	2.396084	1.696435	2.732986	1.611017
CYP3A24	1	0.055184	0.062319	0	0.022035	0	0.096265	0.371332	0.594247	0.380374	0.015289	0.027908	0.291501	10.44524
CYP3A4	1	0.280925	0.201183	0	0.016416	0.111562	0.107574	0.218397	0.548954	0.779273	0.10251	0.122017	0.351342	2.879444
CYP3A5_1	1	0.111184	0.052317	0	0.022198	0	0.290932	1.082863	2.777712	2.107536	0.169423	0.03714	1.285693	34.61762
CYP3A5_2	1	0	0	0	0	0	0.103678	0.652511	0.92161	0.358456	0.032933	0	0.413837	#DIV/0!
CYP46A1	1	78.81109	55.56077	41.76587	76.64559	63.29916	33.74952	53.64859	11.28123	8.11303	16.32283	63.2165	24.62304	0.389503
CYP4A11	1	0	0	0.078351	0	0	0	0	0	0.185464	0	0.01567	0.037093	2.367093
CYP4A22	1	0	0	0	0	0	0	0	0	0.985133	0.058662	0	0.208759	#DIV/0!
CYP4B1	1	0.254369	0	0.208324	0.380883	0	0	0	0	0	0	0.168715	0	0
CYP4F2_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
CYP4F2_2	1	0.01024	0	0.223646	0.012267	0	0	0	0	0.052939	0.017023	0.049231	0.013992	0.284221
CYP4V2	1	6.247646	3.93242	3.489412	3.216814	3.306156	1.411972	0.788315	1.220262	12.88	2.368662	4.03849	3.733842	0.924564
CYP51A1	1	31.69823	34.92632	30.44128	23.93954	36.79694	42.04694	96.96152	54.88285	60.83443	31.32127	31.56046	57.2094	1.812692
CYP7A1	1	0	0	0	0	0	0	0	0	0.582469	0.035118	0	0.123518	#DIV/0!
CYP7B1	1	6.02117	6.233842	6.929237	8.634415	1.724842	8.129582	8.451328	14.23903	13.40259	6.589495	5.908701	10.1624	1.719905
CYP8B1	1	0	0	0.192026	0.231716	0	0	0	0	0.363634	0.204626	0.084748	0.113652	1.341054
CYR61	1	22.85677	3.082694	6.043278	5.229633	8.117891	33.70801	12.89227	4.590464	8.698987	17.17183	9.066053	15.41231	1.700002
CYREN	1	8.997914	6.110477	5.117197	6.655209	11.1435	2.465063	6.313487	4.931847	2.809689	4.577608	7.60486	4.219539	0.554848
CYS1	0.011851	18.5066	17.38909	18.2204	19.64995	28.49085	1.355676	0.777121	0.630109	1.378565	7.890513	20.45138	2.406397	0.117664
CYSLTR1	1	0.39001	0.285356	0.14396	0.348747	0.089439	0	0	0	0	0	0.251502	0	0
CYSLTR2	1	0.487024	0.275	0.398866	0.309933	1.280323	0	0.048511	0.078668	0.236038	0.0253	0.550229	0.077703	0.14122
CYSRT1	1	0.211616	0.418213	1.38648	1.172405	1.220292	0	0	0	0.273494	1.978738	0.881801	0.450446	0.510825
CYSTM1	1	11.94936	10.25163	16.79106	19.66798	77.98734	47.87074	34.34782	26.75282	18.67583	20.71074	27.32947	29.67159	1.085699
CYTH1	1	11.47692	11.86	13.42816	13.4639	18.3928	17.81628	12.92283	18.38343	13.94624	18.75263	13.72435	16.36428	1.192354
CYTH2	1	30.6447	28.08583	25.74989	29.3271	35.46514	36.14442	30.93348	23.23979	12.94899	35.40135	29.85453	27.73361	0.928958
CYTH3	1	10.36023	11.05878	14.01349	12.57016	11.13367	4.433808	4.551041	6.980064	6.625355	4.668358	11.82727	5.451725	0.460945
CYTH4	1	1.230673	0.843105	1.61774	1.488189	0.712246	7.539368	1.660785	0.874289	1.326701	0.504175	1.17839	2.381064	2.020607
CYTIP	1	0.364993	0.232621	0.16574	0.220776	0.137293	1.172554	0.35324	0.186793	4.20345	0.234286	0.224285	1.230065	5.484389
CYTL1	0.21866	0.508082	0.143445	0.237778	0.347787	0	7.502062	31.81106	0.937935	0.65665	4.886623	0.247418	9.158866	37.01772
CYYR1	1	4.804284	4.002928	8.872662	9.733239	6.792392	14.64024	2.931716	2.015375	7.019599	1.260044	6.841101	5.573394	0.814693
D2HGDH	0.576802	3.70587	3.509644	5.822908	7.197861	9.404281	0.90681	0.997711	0.563389	1.618173	2.991925	5.928113	1.415601	0.238795
DAAM1	1	10.40584	9.500655	6.511789	6.287231	7.108632	17.51526	17.90359	21.58787	17.90434	7.965964	7.962829	16.57541	2.081598
DAAM2	1	14.97529	18.45404	40.17734	49.85788	24.0811	25.6626	53.79215	24.7524	9.579535	9.286736	29.50913	24.61468	0.834138
DAB1	1	9.627065	7.786038	4.190868	4.73325	6.113353	9.194215	15.0707	11.35963	4.189263	1.670388	6.490115	8.296839	1.278381
DAB2	1	6.65148	0.893915	3.199458	2.533269	1.464085	18.71339	6.652799	13.41439	12.37805	3.476173	2.948441	10.92696	3.706013
DAB2IP	1	4.4572	4.95821	17.60129	11.90375	6.006546	12.87425	7.705921	17.65782	12.08013	37.88011	8.985399	17.63965	1.963145
DACH1	1	1.881382	2.103988	1.78264	1.45131	0.695295	2.662605	5.631202	5.486671	6.528196	2.537279	1.582923	4.56919	2.886552
DACH2	1	0	0.009824	0	0	0	0.091048	0.055454	0.022482	0	0	0.001965	0.033797	17.20167
DACT1	1	3.740281	2.68693	3.286978	2.939372	4.27293	5.770855	3.504257	8.742253	8.268473	7.175419	3.385298	6.692251	1.976857

DACT2	1	3.146036	3.260612	2.974381	10.32699	8.648181	0.392006	0.347281	0.052797	0	2.116808	5.67124	0.581778	0.102584
DACT3	1	16.80465	17.64157	17.95398	22.22373	39.61928	92.51736	30.15271	3.196497	7.61016	12.45898	22.84864	29.18714	1.277412
DAD1	1	18.76857	20.25035	17.17541	18.41375	74.67762	27.95304	25.13237	18.60734	21.50494	34.41166	29.85714	25.52187	0.8548
DAG1	1	17.0331	13.62114	23.80615	26.91044	16.82637	21.0891	25.09861	26.16046	16.23494	22.05734	19.63944	22.12809	1.126717
DAGLA	1	4.681445	4.540062	10.70064	14.1781	5.97514	5.109837	5.816954	2.962073	3.498033	7.661214	8.015077	5.009622	0.625025
DAGLB	1	10.00158	8.728841	11.08837	12.53928	13.8097	1.045601	3.637877	3.260174	3.037871	10.76487	11.23356	4.349279	0.387169
DALRD3	1	4.424201	3.397027	4.20192	4.410586	10.07111	19.37108	10.66715	9.768201	7.522862	15.86169	5.300969	12.6382	2.384129
DANCR	1	2.121508	2.319812	0	0	2.85202	0.102275	0.069213	0.263764	0	0	1.458668	0.08705	0.059678
DAO	1	0.087038	0.021843	23.94049	7.808092	0.052487	0	0.133576	3.06175	0.799921	0.546593	6.381991	0.908368	0.142333
DAP	1	21.53088	15.86592	18.65359	30.07418	34.06455	11.59798	4.228024	9.406612	6.43924	7.448721	24.03782	7.824115	0.325492
DAP3	1	10.70146	9.05951	6.817181	7.833617	9.204783	8.222306	9.308281	7.43534	8.713927	11.9086	8.72331	9.117692	1.04521
DAPK1	1	10.02922	10.12027	7.952631	10.27654	6.958927	3.811307	7.068893	1.778508	1.722931	2.087837	9.06752	3.293895	0.363263
DAPK2	1	0.610819	0.787185	0.80825	0.908164	1.199294	0.47009	0.839856	0.306439	0.297196	0.633122	0.862742	0.509341	0.590374
DAPK3	1	4.859205	4.746772	7.609694	9.718116	6.578903	2.114574	2.698474	2.780194	1.953201	3.707331	6.702538	2.650755	0.395485
DAPL1	1	0.201674	0	0.220224	0	0	0	0	0	0.651613	0.125718	0.08438	0.155466	1.842464
DAPP1	1	0.207419	0.27257	0.543595	0.424652	0.112574	1.618372	2.532342	0.194932	0.09748	0.576757	0.312162	1.003977	3.216205
DARS	1	22.88565	19.90488	17.9969	17.51865	17.52014	35.19099	51.96204	50.96369	46.75906	31.27152	19.16524	43.22946	2.255618
DARS2	1	3.006405	3.247535	2.626348	2.899873	1.645867	1.340768	2.244293	1.770182	5.54107	1.077754	2.685206	2.394813	0.891855
DAW1	1	0.190061	0.357729	0.937788	1.441931	0.420252	1.252527	2.288602	2.037582	1.5648	1.006345	0.669552	1.629971	2.434419
DAXX	1	15.73132	14.70748	13.68632	14.16423	8.590416	19.29965	7.37066	10.21417	8.965776	12.01432	13.37596	11.57291	0.865203
DAZAP1	1	4.385458	4.71013	7.628042	7.906265	7.651389	6.075893	6.323153	10.66578	18.58587	17.84816	6.456257	11.89977	1.843138
DAZAP2	1	54.76482	58.54172	73.63794	81.78827	112.7253	189.2666	123.7893	116.7485	108.5593	126.8038	76.29161	133.0335	1.74375
DAZL	1	0	0	0	0	0.034553	0	0	0	0.131648	0	0.006911	0.02633	3.81007
DBF4	1	0.540889	0.525992	0.360947	0.377958	0.366949	2.201618	1.66019	0.854271	1.398101	0.961579	0.434547	1.415152	3.256613
DBF4B	1	0.652285	0.699566	1.012426	0.761711	0.957405	0.214693	0.775852	0.964825	1.251274	4.248605	0.816679	1.49105	1.825748
DBH	1	0.113235	0.20095	0.247301	0.174399	0.109744	0	0	0	0.041813	0.026891	0.169126	0.013741	0.081246
DBI	1	149.8764	120.9422	72.25147	70.82272	418.7859	797.4462	337.2524	212.3543	324.9653	321.7004	166.5357	398.7437	2.394344
DBIL5	1	0	0.436123	0	0	0.110314	0	0	0	0	0	0.109287	0	0
DBN1	1	31.82036	29.05675	29.08528	30.71515	40.42838	42.6538	37.71994	35.79552	29.80334	55.12958	32.22119	40.22044	1.248261
DBNDD1	1	10.10954	10.05083	3.443248	4.99544	35.89278	2.802787	1.138049	0.357698	2.115394	6.702166	12.89837	2.623219	0.203376
DBNDD2	1	18.28923	20.18035	22.5914	24.82185	82.43366	30.0863	21.7581	17.39918	22.63747	41.86652	33.6633	26.74952	0.79462
DBNL	1	37.11676	31.5395	24.0449	29.71368	47.70015	25.74684	34.86515	15.27066	27.52101	66.24851	34.023	33.93043	0.997279
DBP	1	17.44327	17.84435	16.60144	15.8668	21.74945	16.0491	9.959775	28.69567	20.6324	54.35947	17.90106	25.93928	1.449036
DBR1	1	3.163005	2.942786	2.564714	2.135774	3.861347	2.691552	3.533653	8.019534	3.810941	4.602505	2.933525	4.531637	1.544775
DBT	1	11.33893	13.36308	10.38568	13.51626	10.32375	9.372932	9.38327	9.209633	9.610062	7.248071	11.78554	8.964793	0.76066
DBX1	1	0	0	0.043427	0.047639	0	0	0	0	0	0.033055	0.018213	0.006611	0.362975
DBX2	1	4.896783	3.896416	2.874277	2.513925	3.50707	4.405519	11.01009	1.440209	8.397335	1.359966	3.537694	5.322624	1.504546
DCAF1	1	5.574712	5.542081	5.069887	4.844955	3.389196	5.612661	9.367817	10.80921	9.050554	8.03876	4.884166	8.5758	1.755837
DCAF10	1	4.232004	5.246951	3.699733	3.84595	2.306994	6.812097	10.84562	10.29353	12.75005	5.404373	3.866326	9.221133	2.384986
DCAF11	1	13.92334	14.08073	14.62632	16.59227	25.77622	44.95884	29.382	17.57254	17.90142	21.41634	16.99978	26.24623	1.543916
DCAF12	1	9.919375	9.107188	10.69207	11.79395	11.96352	14.96056	12.18059	13.8099	12.71815	12.66961	10.69522	13.26776	1.240532
DCAF12L2	1	0.214114	0.164079	0.150306	0.348088	0.124508	0.400189	0.097496	0	0.079064	0.444912	0.200219	0.204332	1.020544
DCAF13	1	23.24134	23.973	11.60586	13.28546	15.42468	19.285	11.54926	9.615695	16.29206	21.02626	17.50607	15.55365	0.888472
DCAF15	1	2.287152	2.564379	4.010363	5.391151	4.649373	5.66295	3.100698	5.148303	3.983629	9.90703	3.780484	5.560522	1.470849
DCAF16	1	8.589705	9.17428	0	0	1.343267	12.03819	14.10716	20.01727	0.301055	0.435629	3.821451	9.379862	2.454529
DCAF17	1	2.924053	3.995129	2.517857	2.433517	1.160592	1.848954	4.346462	3.436114	2.01871	1.568732	2.60623	2.643795	1.014414

DCAF4	1	4.861696	4.079491	3.719432	4.503736	8.011777	1.788709	1.878338	4.47763	1.005328	0.891443	5.035226	2.00829	0.398848
DCAF5	1	15.32191	11.72942	12.34644	14.23705	11.44571	15.8185	13.54468	12.40419	18.73157	17.07119	13.01611	15.51402	1.19191
DCAF6	1	25.42559	24.08013	9.431592	11.3869	23.11875	37.85584	50.75367	24.26272	25.72501	18.502	18.68859	31.41985	1.681231
DCAF7	1	10.03848	9.941887	21.95035	16.68272	4.612079	12.47778	10.49675	14.75736	9.35506	20.58981	12.6451	13.53535	1.070403
DCAF8	1	12.00868	12.5588	14.89676	15.43117	12.51292	7.975662	7.244015	9.007125	7.535612	7.968429	13.48167	7.946169	0.589406
DCAKD	0.366408	0.786666	0.734493	1.650408	1.439484	1.781763	4.894875	4.264621	5.490955	4.835305	6.260493	1.278563	5.14925	4.027373
DCBLD1	1	0.396844	0.22929	0.141089	0.193467	0.225399	1.400643	0.67658	0.274294	0.500958	0.498601	0.237218	0.670215	2.825313
DCBLD2	1	7.109235	8.152016	4.238166	4.244953	6.860365	6.459762	8.858209	6.945554	12.84307	2.301248	6.120947	7.481568	1.222289
DCC	1	3.243926	4.453473	5.191854	5.579427	1.65548	0.646122	2.201702	0.244004	3.967214	1.770668	4.024832	1.765942	0.438762
DCDC1	1	0.206616	0.098718	0.17934	0.285582	0.057506	0.180215	0.275813	3.751606	0.698393	0.400709	0.165552	1.061347	6.410946
DCDC2	1	0.140447	0.193854	0.068162	0.177587	0.042347	6.778379	1.923298	0.241985	1.492457	0.025941	0.12448	2.092412	16.80928
DCDC2B	1	0	0	0	0.420002	0.413678	0	0	0	0.078807	0.430797	0.166736	0.101921	0.61127
DCDC2C	1	0.10294	0.374587	0.224818	0.027403	0.310384	0	0.024305	0.02956	0.059129	0.019013	0.208026	0.026402	0.126915
DCHS1	1	1.514417	1.247959	6.752985	7.266966	1.191888	2.500835	1.676228	3.659656	2.297835	2.929256	3.594843	2.612762	0.726808
DCHS2	1	0.229442	0.32271	1.703715	1.516657	0.124526	0.021832	0.026594	0.14555	0.064698	0.013869	0.77941	0.054509	0.069936
DCK	1	9.952261	7.832658	4.747304	4.35849	3.248846	2.450162	3.851561	5.28941	3.284752	1.934578	6.027912	3.362093	0.557754
DCLK1	1	63.98563	70.17039	50.05524	36.07814	26.32653	40.80673	106.6432	10.71348	17.46492	15.00745	49.32319	38.12716	0.773007
DCLK2	1	10.80077	8.556502	13.69321	11.64562	8.734647	7.483535	7.780223	10.153	13.2956	9.665123	10.68615	9.675496	0.905424
DCLK3	1	1.478676	1.548315	2.486986	2.768923	2.505978	0.800524	1.372416	0.087852	0.234306	0.960618	2.157776	0.691143	0.320304
DCLRE1A	1	2.02287	1.294208	1.309328	1.485177	1.007129	2.881363	2.738559	3.309657	2.23487	1.389819	1.423742	2.510854	1.763559
DCLRE1B	1	0.514473	0.316908	1.055494	0.728336	0.634596	0.924665	1.568068	2.981589	1.020873	1.4081	0.649962	1.580659	2.431927
DCLRE1C	1	2.814218	2.345842	3.525985	2.734684	2.53942	3.49806	2.258005	2.657681	9.551324	4.649679	2.79203	4.52295	1.61995
DCN	1	36.9964	2.711299	9.573384	8.312479	5.170071	3.404563	2.024221	4.023159	13.973	1.184432	12.55273	4.921876	0.392096
DCP1A	1	3.825796	3.590428	4.221137	3.482843	1.74532	4.250696	4.92427	8.208211	9.597635	6.227485	3.373105	6.641659	1.969005
DCP1B	0.348688	2.837134	2.674947	4.379867	5.075809	2.742518	0.220373	0.581625	0.707394	1.170091	1.470004	3.542055	0.829898	0.234298
DCP2	1	0.424267	0.734661	2.965063	2.270079	0	0.444066	0.360618	0.877195	0.438661	2.35091	1.278814	0.89429	0.699312
DCPS	1	4.973455	4.451347	4.899218	5.159149	6.040312	7.856853	7.181053	5.962398	3.865635	4.981724	5.104696	5.969533	1.16942
DCST1	1	0	0	0.017943	0.039366	0	0	0	0.127397	0	0.068285	0.011462	0.039136	3.414551
DCST2	1	0	0.018928	0.018303	0	0	0	0	0	0	0.041794	0.007446	0.008359	1.122548
DCSTAMP	1	0	0	0	0.01368	0	0.119534	0.054603	0.051652	0.250918	0.037969	0.002736	0.102935	37.6212
DCT	1	0.180181	0.217045	0.157403	0.5324	0.195581	0.094295	0.076575	0	0.496785	0.369409	0.256522	0.207413	0.808557
DCTD	1	0.152303	0.193496	0.332624	0.433302	0.516626	1.693736	0.586591	0.934845	0.442886	0.079118	0.32567	0.747435	2.295067
DCTN1	1	43.06258	38.66185	47.96671	61.05046	32.09722	53.53067	65.95147	68.13168	50.87463	80.23514	44.56777	63.74472	1.430287
DCTN2	1	78.88179	71.04071	62.32528	73.24855	163.6055	152.4153	110.6936	101.4863	78.20266	123.8188	89.82036	113.3233	1.261667
DCTN3	1	36.49908	35.54125	35.79478	47.2472	175.9656	98.7143	53.97842	36.60165	45.00598	53.23382	66.20958	57.50683	0.868558
DCTN4	1	37.10599	42.90545	33.22667	36.73425	29.5224	32.27821	47.53008	68.43478	46.02252	46.71072	35.89895	48.19526	1.342526
DCTN5	1	9.758508	9.49625	9.831643	10.0617	12.88214	14.17499	8.07193	5.561151	6.171824	5.475282	10.40605	7.891035	0.758312
DCTN6	1	35.45166	36.93038	16.66108	19.79826	34.14949	28.68147	21.10054	21.09816	18.2137	21.4906	28.59817	22.11689	0.773367
DCTPP1	1	5.423898	4.350638	3.81937	3.552237	17.53861	11.53971	10.34064	3.668198	1.834366	7.752357	6.93695	7.027055	1.012989
DCUN1D1	1	14.86335	18.97979	10.63961	11.5647	10.42038	13.07239	22.29498	14.90627	17.72571	11.14819	13.29357	15.82951	1.190765
DCUN1D2	1	4.638151	6.257347	5.098762	5.63059	10.4746	0.217208	0.132293	0.187716	1.877438	3.553226	6.41989	1.193576	0.185918
DCUN1D3	1	2.433205	2.280182	2.50037	2.188473	2.320937	2.705393	2.829651	3.224683	2.252709	1.768194	2.344633	2.556126	1.090203
DCUN1D4	1	10.92414	12.28213	6.721319	7.665725	12.25814	13.6302	16.39791	10.12306	10.66363	6.764916	9.97029	11.51594	1.155026
DCUN1D5	1	5.867829	6.053639	4.327451	3.159053	8.117535	9.242538	11.30942	11.24392	8.016635	5.195392	5.505101	9.001582	1.635135
DCX	1	5.101615	7.414129	3.587661	4.561137	5.352503	10.1827	6.681776	2.836931	2.384157	2.759279	5.203409	4.968969	0.954945
DCXR_1	1	0.014304	0	0.031239	0	0	0.074856	0	0.184837	0	0.023778	0.009109	0.056694	6.224284

DCXR_2	1	2.496341	1.514954	3.617623	5.016523	6.995835	3.235518	0.247878	0.271331	0.844264	2.85053	3.928255	1.489904	0.379279
DDA1	1	12.71893	16.33751	8.731279	12.58524	16.14737	20.14387	12.17009	7.929494	10.38194	12.61168	13.30406	12.64741	0.950643
DDAH1	1	83.38172	68.8162	62.01759	82.87703	107.558	55.94471	46.62735	25.52487	84.1578	26.43543	80.93011	47.73803	0.589867
DDAH2	1	5.933411	2.427442	5.429954	4.354738	10.72526	12.90788	3.115215	8.115286	17.9228	30.18271	5.774161	14.44878	2.502317
DDB1	1	32.82135	31.7579	43.57285	44.79471	37.83143	44.2242	59.67058	79.42919	45.60163	66.16616	38.15565	59.01835	1.546779
DDB2	1	1.19217	1.023965	2.03525	1.981228	2.164366	2.724078	0.927688	3.406564	1.302061	2.274866	1.679396	2.127051	1.266557
DDC	3.18E-05	1.662422	0.854125	7.931859	4.978514	2.540128	0.078378	0.031825	0	0	0.012448	3.59341	0.02453	0.006826
DDHD1	1	20.90142	21.56069	23.10899	18.92069	14.93438	9.918478	11.92997	13.95517	24.40199	8.345964	19.88523	13.71032	0.689472
DDHD2	1	33.09324	38.47519	48.98583	60.69312	39.34773	12.63944	24.65096	27.20974	27.11228	19.17557	44.11902	22.1576	0.502223
DDI1	1	0	0.040964	0	0	0	0	0	0	0	0	0.008193	0	0
DDIAS	1	0.617324	0.203781	0.186675	0.204781	0.41236	0.82009	0.16145	0.171816	0.39278	0.063151	0.324984	0.321857	0.990378
DDIT3	1	10.53278	9.402087	9.64104	11.01682	39.24841	24.72362	23.9862	36.87896	20.71928	40.42519	15.96823	29.34665	1.837815
DDIT4	1	12.79211	9.263709	21.62335	28.54448	40.90909	31.46129	6.801741	22.00078	28.88394	33.26074	22.62655	24.4817	1.08199
DDIT4L	1	4.981309	3.785756	1.587744	0.999889	5.297451	7.538821	5.306819	0.55671	0.869985	1.15257	3.33043	3.084981	0.926301
DDN	1	75.97122	42.47437	23.73745	51.24518	50.27859	129.375	42.56852	0.331173	0	0.049157	48.74136	34.46478	0.707095
DDO	1	6.524904	11.45743	14.6307	21.59296	26.69102	10.33528	8.043399	7.10558	6.405962	6.614153	16.1794	7.700875	0.475968
DDOST	1	20.02269	18.40459	19.08775	23.53171	40.75927	41.83985	47.59859	50.98336	28.00213	38.47463	24.3612	41.37971	1.698591
DDR1	1	17.63787	11.19271	44.63354	50.95255	31.11396	26.87792	19.7653	23.60604	42.41302	53.55634	31.10613	33.24372	1.068719
DDR2	1	12.77675	11.69913	13.09211	16.4956	10.88955	6.8648	4.963414	3.160212	4.902466	1.909957	12.99063	4.36017	0.33564
DDRGK1	1	25.33428	20.25381	22.06641	23.33221	31.87572	48.70912	55.24426	60.88704	21.44222	21.98093	24.57249	41.65271	1.695096
DDT	1	9.271574	10.20197	12.75746	13.26254	46.72572	10.48626	5.845538	4.82748	10.88536	44.54367	18.44385	15.31766	0.830502
DDX1	1	75.18382	63.12867	54.44994	57.08249	59.91085	39.23746	70.46264	59.01459	56.63316	60.88084	61.95116	57.24574	0.924046
DDX10	1	10.55589	10.74581	4.024233	4.992482	4.65327	8.365456	15.62493	12.99457	11.17846	4.386853	6.994337	10.51006	1.502652
DDX11	1	1.990352	2.347368	3.222665	3.65856	2.833614	2.591213	1.937606	2.394598	9.605128	14.18799	2.810512	6.143306	2.185832
DDX17	1	89.14492	103.3725	141.9763	142.8232	158.5288	113.7368	102.7754	219.1362	169.9987	106.3503	127.1692	142.3995	1.119764
DDX18	1	6.723842	5.531703	4.289534	5.192171	4.474039	4.301598	6.448308	6.731113	8.918478	6.259906	5.242258	6.53188	1.246005
DDX19A	1	10.66793	8.442637	11.84791	12.96352	14.47463	13.33443	15.24642	18.61563	13.49784	13.35843	11.67933	14.81055	1.268099
DDX19B	1	3.124826	3.15932	1.385817	1.481986	4.916738	2.840409	2.823949	3.455221	3.074047	2.44135	2.813737	2.926995	1.040252
DDX20	1	9.9585	7.834345	7.194211	6.819959	8.439647	10.96132	14.95723	25.8684	9.482634	10.99403	8.049333	14.45272	1.795518
DDX21	1	17.21725	16.03571	8.74519	9.614139	2.614801	7.065758	11.9664	9.379562	6.920111	5.985049	10.84542	8.263376	0.761923
DDX23	1	17.80394	15.52183	15.64643	16.67304	13.56023	25.7396	19.59032	38.55479	20.23079	28.28008	15.84109	26.47912	1.671546
DDX24	1	40.09314	37.25656	32.00111	41.17544	34.55801	18.47012	39.77395	24.9736	26.72627	179.2768	37.01685	57.84415	1.562644
DDX25	1	2.05349	3.178988	2.765591	4.304761	3.064874	8.059941	10.36346	14.13023	10.12924	11.49241	3.073541	10.83506	3.525269
DDX27	1	15.4063	14.90605	11.53692	14.4042	13.29189	21.5351	20.34755	30.17533	18.6599	41.59917	13.90907	26.46341	1.902601
DDX28	1	2.785387	2.093181	0	0	3.946046	2.090062	3.459891	3.14942	0.317635	0.136184	1.764923	1.830638	1.037234
DDX31	0	30.77561	31.56742	40.33333	45.61971	32.42593	2.490425	1.717683	2.779864	3.471124	6.057629	36.1444	3.303345	0.091393
DDX39A	1	3.300495	3.727268	2.906513	2.920594	8.898674	13.70662	8.370815	13.31771	6.879986	15.30917	4.350709	11.51686	2.647123
DDX39B	1	59.26831	63.30833	61.90294	65.89092	89.53046	55.68745	45.12259	98.88523	41.30813	77.23965	67.98019	63.64861	0.936282
DDX3X	1	63.50091	69.28451	71.86071	62.70508	34.27589	69.98455	132.1426	140.8929	155.3404	128.7552	60.32542	125.4231	2.079109
DDX4	1	0.127424	0.335768	0.030921	0.05936	0	0	0.210599	0.054887	0.073193	0	0.110695	0.067736	0.611914
DDX41	1	27.21079	24.47843	30.15427	29.61138	58.10644	37.73541	28.55661	44.72943	31.97044	43.55647	33.91226	37.30967	1.100182
DDX42	1	17.46284	15.77134	15.13056	15.70322	11.72443	25.72332	28.0178	36.20375	28.04231	36.65414	15.15848	30.92827	2.040328
DDX43	6.85E-05	0.035933	0.175843	0	0.057392	0.032503	1.880482	1.921611	0.619109	1.609917	1.234468	0.060334	1.453117	24.0845
DDX46	1	19.68095	19.13754	12.85711	11.32871	4.651255	15.75379	19.61104	34.32505	34.70852	24.88444	13.53111	25.85657	1.910897
DDX47	1	7.456659	6.860138	6.239225	7.943928	8.396233	17.86537	27.81098	19.13804	12.31624	11.31535	7.379237	17.6892	2.397158
DDX49	1	4.592745	3.229798	6.022294	6.450176	9.404281	8.726827	15.61892	11.29185	9.920939	14.55699	5.939859	12.02311	2.02414

DDX5	1	130.8807	121.2655	104.7298	96.43513	109.5319	201.3539	236.8229	325.1571	319.6076	207.0879	112.5686	258.0059	2.291988
DDX50	1	6.367445	5.500012	4.577715	4.093332	5.04274	4.70116	7.326681	10.64083	9.970827	4.875165	5.116249	7.502933	1.466491
DDX51	1	2.902107	2.455992	4.450816	4.054381	8.402994	1.130596	1.744463	2.54974	4.541804	7.553634	4.453258	3.504047	0.78685
DDX52	1	17.56895	21.40876	9.798436	10.42192	5.706353	17.80918	23.04115	20.18273	27.13551	19.02558	12.98088	21.43883	1.651569
DDX53	1	0	0.062936	0	0	0	0	0	0	0	0	0.012587	0	0
DDX54	1	8.092913	7.265473	7.583913	9.739286	6.816417	8.879737	7.723641	8.705907	8.578178	21.21666	7.8996	11.02083	1.395112
DDX55	1	7.626753	7.692919	6.227271	5.419333	5.362275	11.11223	14.47532	9.810658	5.286877	9.14848	6.46571	9.966712	1.541472
DDX56	1	6.541036	6.302362	6.549608	9.07066	15.95597	11.36927	8.864822	7.465838	4.760927	4.226357	8.883928	7.337443	0.825923
DDX58	1	2.525692	0.949359	1.129198	1.167428	0.817622	0.116799	0.047425	0.05768	0.807644	0.166952	1.31786	0.2393	0.181582
DDX59	1	2.97579	3.317713	3.746878	4.010266	4.490865	2.423394	3.774685	3.747284	2.629367	3.381966	3.708302	3.191339	0.860593
DDX6	1	39.06691	42.47132	31.38404	26.36159	30.19512	24.9868	25.65497	38.51599	41.25324	31.5637	33.8958	32.39494	0.955721
DEAF1	1	8.879701	6.455902	11.83927	9.531384	7.951145	25.08744	8.054038	12.62084	9.264347	23.35549	8.93148	15.67643	1.755188
DECR1	1	8.386209	6.525956	6.695035	6.345449	9.3707	12.17056	10.15805	11.23146	20.70532	7.419408	7.46467	12.33696	1.652714
DECR2	1	4.409013	4.359405	5.372465	6.052224	15.50778	7.031075	4.94583	5.966398	4.695554	5.567714	7.140177	5.641314	0.79008
DEDD	1	9.412692	10.11884	11.06414	13.14131	20.00764	19.05951	13.36585	13.89816	12.61561	18.75425	12.74893	15.53868	1.218822
DEDD2	1	2.34761	2.628891	5.988784	7.43221	17.63972	1.393769	2.389475	4.61418	3.314534	7.608257	7.207443	3.864043	0.536118
DEF6	1	0.935352	0.574478	0.824276	0.707654	0.489835	2.533379	0.523046	0.12723	0.508993	0.381897	0.706319	0.814909	1.15374
DEF8	1	5.306334	5.015772	7.804586	8.043558	4.82433	2.467378	3.043863	3.655493	5.092043	6.060312	6.198916	4.063818	0.655569
DEFB	1	0	0	0.221114	0.06064	0	0	0	0	0.261699	0	0.056351	0.05234	0.92882
DEFB1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB108B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB110	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB112	1	0	0	0	0.039713	0	0	0	0	0	0	0.007943	0	0
DEFB113	1	0	0	0	0	0	0	0	0	0.136459	0	0	0.027292	#DIV/0!
DEFB114	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB115	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB116	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB119	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB121	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB122A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB123	1	0	0	0.474182	0	0	1.249886	0.738191	0.16834	1.122432	0.360926	0.094836	0.727955	7.675909
DEFB124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB125	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB127	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB129	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB13	1	0	0	0	0.107644	0.243852	0	0	0	0	0	0.070299	0	0
DEFB132	1	0.051314	0	0	0	0	0	0	0	0	0	0.010263	0	0
DEFB133	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB134	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB136	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DEFB4A	1	0	0	0.182296	0	0	0	0	0	0	0	0.036459	0	0
DEFB7	1	0	0	0.189017	0	0	0	0	0	0	0	0.037803	0	0
DEGS1	1	37.92165	37.05993	8.966037	9.484397	58.41639	41.99324	74.74686	42.88854	12.3344	9.638566	30.36968	36.32032	1.19594
DEGS2	1	0.394201	0.063596	0.768679	1.450364	0	4.789072	0.98724	0.545781	1.528409	4.399833	0.535368	2.450067	4.576416

DEK	1	21.22285	20.18522	19.10867	18.1825	14.03707	16.51807	16.18084	28.75363	42.84862	22.73079	18.54726	25.40639	1.369819
DENND1A	1	10.476	9.062253	9.762193	12.48114	12.85199	14.55546	7.990731	4.703448	5.245153	10.99839	10.92672	8.698637	0.796089
DENND1B	1	3.931578	4.348971	0.945109	0.634198	3.173218	0.855294	1.120116	1.564594	0.642588	0.639019	2.606615	0.964322	0.369952
DENND1C	1	0.220683	0.378125	0.581679	0.391974	0.867316	3.185948	0.662984	0.570343	0.511416	0.316249	0.487955	1.049388	2.150582
DENND2A	1	5.043051	3.601674	6.112021	10.05726	9.30376	23.65886	16.50215	30.31185	5.811819	12.67094	6.823553	17.79112	2.607311
DENND2C	1	0.10898	0.073843	0.214207	0.13925	0.118294	0.969557	0.239296	0.215934	0.131457	0.060387	0.130915	0.323326	2.469745
DENND2D	1	0.752741	0.600365	0.534286	0.315596	0.548973	0.123104	0.149957	0.170224	0.170249	0.164234	0.550392	0.155553	0.282623
DENND3	1	3.626676	5.057966	3.912633	4.49307	3.377646	2.352696	2.623491	1.812159	3.937033	16.19563	4.093598	5.384202	1.315274
DENND4A	1	9.183357	11.78208	11.04221	10.07072	4.709714	8.538493	11.77632	14.20696	10.23272	6.73579	9.357615	10.29806	1.1005
DENND4B	1	8.12177	6.753548	14.59063	15.94099	16.19756	51.26696	15.1646	13.4685	10.76165	10.35778	12.3209	20.2039	1.639807
DENND4C	1	2.403713	2.707769	6.090426	4.348959	2.338496	2.547202	3.492782	9.099286	5.45521	3.528218	3.577873	4.82454	1.348438
DENND5A	1	56.42933	58.75962	68.40134	80.19986	46.30278	106.9479	75.97338	58.73255	63.17188	70.28778	62.01859	75.0227	1.209681
DENND5B	1	7.699227	10.52847	4.865774	2.566879	5.285273	3.759771	7.75225	7.469879	2.425917	2.505891	6.189125	4.782742	0.772765
DENND6A	1	5.084083	5.139338	4.079419	3.531253	4.303927	4.478879	3.608357	3.660108	15.1166	7.497338	4.427604	6.872256	1.552139
DENND6B	1	5.083686	5.924372	10.61633	12.11276	11.8948	2.694444	3.725706	5.16669	3.285102	2.72183	9.126389	3.518755	0.385558
DENR	1	8.506719	4.527476	3.357909	4.922942	11.81518	16.84482	11.23665	10.99257	9.285612	11.03572	6.626044	11.87907	1.792785
DEPDC1	1	0.034568	0.046846	0.015099	0.041409	0.037523	0.072363	0.168948	0	0	0	0.035089	0.048262	1.375423
DEPDC1B	1	0	0.101602	0.016374	0	0	0.078472	0.191178	0.116259	0	0.024926	0.023595	0.082167	3.482376
DEPDC5	1	3.756176	3.478642	4.138756	5.060921	1.944601	7.144878	5.376451	5.090797	9.779264	11.12745	3.675819	7.703768	2.095796
DEPDC7	1	1.095712	1.063724	1.700283	0.944112	1.199793	0.804802	3.982673	2.434358	2.385024	1.022562	1.200725	2.125884	1.7705
DEPP1	1	0.36199	0.264516	0.093008	0.357103	1.675724	9.917799	1.583668	1.320765	0.660479	4.636997	0.550468	3.623942	6.583379
DEPTOR	5.02E-07	2.76531	4.075849	5.2206	7.368262	3.666298	0.769366	0.737252	0.870077	0.972804	0.361689	4.619264	0.742237	0.160683
DERA	1	11.14048	8.604251	8.99571	11.14649	13.92854	10.66632	3.423961	3.143946	11.75014	8.159796	10.76309	7.428833	0.690214
DERL1	1	17.20148	16.95657	16.31986	17.97998	17.90194	6.297533	11.49536	13.30078	8.525955	7.224557	17.27197	9.368837	0.54243
DERL2	1	11.47641	13.61966	11.19486	11.93954	23.60856	15.12673	17.21599	13.6157	13.98572	9.704501	14.36781	13.92973	0.96951
DERL3	1	0.191757	0.484057	1.10856	1.256617	1.469265	0.590309	0.071907	0.174912	0	0.168757	0.902051	0.201177	0.223022
DES	1	9.520571	5.043978	12.79824	13.18472	12.41663	10.67663	3.300428	0.737727	24.04473	6.559429	10.59283	9.063789	0.855653
DESI1	1	21.31444	22.60057	32.90728	33.94116	50.79168	21.34812	21.30013	10.93309	8.952019	8.19141	32.31102	14.14495	0.437775
DESI2	0.778056	3.316837	3.086161	3.864651	2.902903	2.897762	8.713262	5.63108	22.56251	23.99657	21.40268	3.213663	16.46122	5.122261
DET1	1	1.803858	2.190342	2.266116	2.648452	3.747118	3.50874	3.934872	5.136418	3.259727	3.091492	2.531177	3.78625	1.495845
DEUP1	0.127726	0.013217	0.029851	0.028865	0.110825	0	5.049201	3.314	3.501166	1.537321	0.659115	0.036552	2.812161	76.93682
DEXI	1	10.70828	11.37607	15.8823	17.30704	17.86214	9.965861	7.125457	6.669087	9.416552	17.91542	14.62716	10.21848	0.698596
DFFA	1	7.176355	6.031617	6.616966	7.828758	6.456286	14.02641	15.29066	12.24747	22.49042	12.57521	6.821996	15.32603	2.246561
DFFB	1	3.038517	3.12098	3.559212	3.922068	6.620406	1.772548	1.251702	1.002225	2.51227	2.031835	4.052237	1.714116	0.423005
DGAT1	1	4.118383	4.424331	11.95792	10.48661	10.43087	19.31467	10.33333	15.95194	8.106786	17.20309	8.283623	14.18196	1.712048
DGAT2	1	7.624296	8.063485	2.543928	4.249427	11.5354	1.068762	0.337526	0	1.173061	0.880148	6.803308	0.691899	0.1017
DGAT2L6	1	0.109616	0.082527	0	0.02918	0	0	0	0	0.188892	0	0.044264	0.037778	0.853469
DGCR2	1	22.90169	24.08616	46.68923	57.41051	3.28698	8.038058	18.22945	23.84951	20.27019	54.65591	30.87491	25.00863	0.809998
DGCR6L	1	17.2015	12.62093	17.58394	24.84185	28.92993	7.995885	2.152282	1.552865	7.099843	12.72775	20.23563	6.305725	0.311615
DGCR8	1	11.09703	11.40533	15.31241	14.50824	11.89339	4.780871	5.942794	16.3387	12.31376	13.67684	12.84328	10.61059	0.826159
DGKA	1	5.629193	3.137178	8.479001	8.376657	9.251097	8.876159	4.190804	7.878524	6.408604	5.404738	6.974625	6.551766	0.939372
DGKB	1	12.78816	10.55194	3.748496	8.734653	3.849713	2.841357	12.56055	3.077953	1.373208	0.766673	7.934592	4.123948	0.519743
DGKD	1	5.87644	5.142737	10.39517	7.064433	2.253754	8.236197	5.835736	13.59103	3.391488	11.47405	6.146506	8.505701	1.383827
DGKE	1	14.49902	16.05408	9.281408	10.69999	12.54738	3.494755	7.543493	9.795987	13.71224	14.59098	12.61638	9.827491	0.778947
DGKG	1	11.44587	10.00011	9.676175	9.949914	11.5402	4.54577	11.13232	1.496598	0.826367	0.255697	10.52245	3.65135	0.347006
DGKH	1	2.441241	3.154752	6.166325	4.732219	1.382955	2.389592	3.072534	3.814277	2.802554	1.091651	3.575498	2.634122	0.736715

DGKI	1	12.35744	16.98285	6.064828	7.683974	2.997477	2.739424	4.477561	1.490423	2.32387	1.725573	9.217313	2.55137	0.276802
DGKK	1	0.071764	0.030016	0.197363	0.152828	0.100978	0.083459	0.045184	0.013738	0.027481	0.013255	0.11059	0.036623	0.331164
DGKQ	0.549786	5.064868	3.816647	8.915367	9.010001	5.632333	1.682165	1.658785	0.498435	0.949539	2.259449	6.487843	1.409675	0.217279
DGKZ	1	17.20839	14.20006	30.30662	30.42748	25.78236	72.96778	37.01819	25.19236	15.27931	32.78944	23.58498	36.64941	1.55393
DGUOK	1	17.5975	12.43632	11.18914	13.20832	56.70768	18.87043	10.26555	12.1975	5.181991	5.531209	22.22779	10.40933	0.468303
DHCR24	1	46.88341	40.13463	44.54745	48.57977	8.195492	10.47669	25.36305	15.87712	18.81348	18.69775	37.66815	17.84562	0.473759
DHCR7	1	10.70416	11.12848	12.47121	12.1038	16.02364	4.418677	5.016587	3.000434	7.207832	8.781516	12.48626	5.685009	0.455301
DHDDS	1	6.177574	6.087926	6.711196	7.153408	8.009421	5.111893	7.707925	7.491545	6.305278	6.705692	6.827905	6.664467	0.976063
DHDH	1	9.016045	7.886637	13.78348	9.647016	27.86702	0	0	0	0.552996	0.254028	13.64004	0.161405	0.011833
DHFR	1	15.32673	17.43597	12.14959	10.95766	7.418677	5.223174	12.31924	10.36257	6.819655	4.025141	12.65772	7.749956	0.612271
DHH	1	0.189484	0.204682	0.485795	0.414488	0.186303	0.287429	0.20424	0.049681	0.056786	0.03652	0.29615	0.126931	0.428604
DHODH	1	1.678863	1.466201	1.588847	2.5608	2.855019	1.347193	1.7124	2.458725	3.471646	9.358585	2.029946	3.669709	1.807787
DHPS	1	24.68552	22.51013	22.63995	21.69869	50.3729	58.50236	45.2931	53.36373	29.27127	81.82928	28.38144	53.65195	1.890389
DHRS1	1	1.913148	1.54952	1.767717	2.364337	5.027213	14.08947	3.872193	5.548492	4.609498	17.19659	2.524387	9.063249	3.590277
DHRS11	0.060167	6.533054	4.829116	13.8644	11.88905	30.04901	0.828839	0.47677	1.12562	1.569275	3.993012	13.43293	1.598703	0.119014
DHRS12	1	1.588608	1.480782	1.024316	1.280738	3.298227	2.850414	3.161382	2.228791	9.333606	6.555883	1.734534	4.826015	2.782312
DHRS13	1	1.003743	0.915021	2.561894	2.810377	1.115785	0.69617	1.670346	5.125725	4.126184	6.352574	1.681364	3.5942	2.137669
DHRS3	1	8.472458	5.134047	7.082021	8.368727	16.95243	5.407213	2.786665	2.937347	5.094881	5.443367	9.201937	4.333895	0.470976
DHRS4	1	3.835173	3.179965	6.205377	10.6535	12.20535	11.53566	4.73811	3.292952	9.353345	6.438879	7.215873	7.07179	0.980032
DHRS7	4.16E-11	3.771141	2.99128	4.608252	3.585259	6.213279	63.20096	86.78095	59.36734	66.53204	39.40448	4.233842	63.05715	14.8936
DHRS7B	1	3.458067	3.797485	5.026174	7.013507	15.33808	7.363687	9.578022	7.519556	5.178152	8.721803	6.926662	7.672244	1.107639
DHRS7C	1	0.09902	0	0.072086	0.039539	0	0	0.140276	0.085304	1.706333	0.246908	0.042129	0.435764	10.34358
DHRS9	1	0.024908	0.028129	0	0	0	0.130353	0.317574	0	0.193151	0	0.010607	0.128216	12.08726
DHRSX	1	0.407233	0.479671	0.832001	0.849754	0.356483	0.572899	0.195401	0.158436	0.792297	0.378514	0.585028	0.419509	0.717075
DHTKD1	1	5.46083	4.071597	4.666418	5.65245	4.60043	5.805609	5.544681	3.896779	4.361796	4.181726	4.890345	4.758118	0.972962
DHX15	1	23.78238	25.79497	19.72222	18.52602	11.58454	23.16706	37.2246	49.66425	44.95408	34.85229	19.88203	37.97246	1.909889
DHX16	1	7.891827	5.810057	9.51706	10.12169	11.68393	5.674047	6.889548	8.770001	6.655931	10.84861	9.004913	7.767628	0.862599
DHX29	1	11.68802	13.40276	11.12836	10.01647	7.245044	8.043908	10.70859	12.4035	12.12595	9.994155	10.69613	10.65522	0.996175
DHX30	1	16.56393	14.99141	19.65959	21.97462	9.008516	20.61913	21.63435	24.87764	18.17104	33.78516	16.43961	23.81746	1.448785
DHX32	1	8.03036	7.900153	8.890787	7.177527	3.783291	9.144439	10.44123	14.34845	9.93006	9.301135	7.156424	10.63306	1.485807
DHX33	1	1.632165	1.496061	3.053075	2.726704	0.297926	1.647046	4.245908	3.858837	2.837793	6.217251	1.841186	3.761367	2.042904
DHX34	1	1.444139	1.362166	2.099199	2.381823	1.361713	0.678093	1.451762	1.643915	1.936448	2.580788	1.729808	1.658201	0.958604
DHX35	1	4.880558	5.48548	4.418741	4.172028	2.430903	7.43615	5.18547	8.043117	13.0545	8.934697	4.277542	8.530787	1.99432
DHX36	1	17.72396	16.67464	13.59215	11.80413	7.580797	6.477039	18.20926	18.48104	20.69771	12.76235	13.47513	15.32548	1.137316
DHX37	1	2.256526	2.739431	3.059569	5.530049	2.219758	2.607852	3.895941	3.608466	4.034293	5.892352	3.161067	4.007781	1.267857
DHX38	1	5.728191	4.521742	5.537593	5.710213	2.656553	14.8849	11.45997	16.25155	7.294885	13.60519	4.830858	12.6993	2.628787
DHX40	1	14.24667	13.32037	14.39441	16.64915	12.2057	17.91228	19.21476	16.73867	24.67534	14.10775	14.16326	18.52976	1.308298
DHX57	1	15.9461	15.19689	11.40841	11.54471	11.97756	5.035847	12.17385	12.473	12.75331	9.992899	13.21473	10.48578	0.793492
DHX58	1	0.845693	0.249781	0.582503	0.553281	1.712372	1.634137	1.866172	2.336958	1.74877	0.77861	0.788726	1.672929	2.121053
DHX8	1	10.90903	9.119724	11.42898	11.36543	5.814975	10.6813	10.82852	15.37841	8.903383	14.18225	9.727627	11.99477	1.233063
DHX9	1	35.55623	36.95057	33.36479	31.91094	16.0235	15.28344	19.89054	31.54306	22.57387	16.01183	30.76121	21.06055	0.684646
DIABLO	1	6.927434	7.781491	6.725901	7.466728	14.87068	11.74955	11.50329	9.085389	9.544864	12.03134	8.754446	10.78289	1.231704
DIAPH1	1	4.910139	3.639734	5.583279	5.021729	3.049345	9.739345	6.609213	11.57492	9.820557	7.637762	4.440845	9.07636	2.043836
DIAPH2_1	1	0.163076	0.429712	0.207755	0.260463	0	0.142238	0.462037	0	0.140507	0.203315	0.212201	0.189619	0.893583
DIAPH2_2	1	2.737675	3.118242	2.298169	2.956624	1.201433	3.257189	3.013243	0.790451	1.636416	1.002627	2.462429	1.939985	0.787834
DIAPH3	1	0.422359	0.240757	0.070279	0.462574	0.261975	1.831426	0.735088	0.415833	0.124768	0.274154	0.291589	0.676254	2.319201

DICER1	1	6.374169	8.326709	12.93114	9.663232	5.096513	8.391188	10.69575	14.70341	12.45135	8.412872	8.478352	10.93091	1.289274
DIDO1	1	3.701321	3.968588	5.787327	5.374964	4.13629	1.891419	2.443621	4.766312	3.544791	4.763634	4.593698	3.481956	0.757985
DIMT1	1	12.12633	14.11259	9.941072	12.57971	14.39473	8.315588	9.367817	6.20621	9.07906	6.613416	12.63089	7.916418	0.626751
DIO1	0.171907	0	0	0	0	0	0.729711	0.410252	1.469172	0.277243	0.071319	0	0.59154	#DIV/0!
DIO2	1	7.65125	10.38012	12.85337	23.4823	21.47977	4.783856	29.64121	0.122726	2.88448	1.411022	15.16936	7.768659	0.512128
DIO3	1	0.026804	0.070631	0.078053	0.214058	0.290952	0	0.037972	0	0	0.05941	0.1361	0.019476	0.143104
DIP2A	1	2.932045	2.597783	5.645584	3.706437	2.610849	2.816575	1.642613	4.5434	5.886868	4.943123	3.49854	3.966516	1.133763
DIP2B	1	9.883425	11.6755	27.03192	22.29591	11.99627	15.11839	15.3032	32.37919	32.1218	22.18222	16.57661	23.42096	1.412892
DIP2C	1	12.59749	11.77833	13.68966	16.66259	8.983424	6.834152	13.76376	8.589374	9.552638	9.576959	12.7423	9.663376	0.75837
DIRAS1	1	28.2073	28.28592	38.38441	32.56822	36.45016	9.100602	6.817052	5.083174	7.68787	23.48484	32.7792	10.43471	0.318333
DIRAS2	1	93.39017	95.81984	44.63437	55.95211	101.7944	55.49008	103.9147	64.25096	79.42259	80.77735	78.31818	76.77114	0.980247
DIRAS3	1	53.76161	59.60371	46.82438	79.27412	78.83545	64.2367	59.01087	1.617095	12.25633	10.19813	63.65985	29.46383	0.462832
DIRC1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DIRC2	1	8.387057	8.027033	10.47164	10.42299	6.734382	8.17718	15.12028	13.14409	6.375019	4.902012	8.808619	9.543717	1.083452
DIS3	1	5.38354	5.772041	3.211227	3.526199	4.395465	2.544535	4.531088	4.307266	3.815778	5.424077	4.457694	4.124549	0.925265
DIS3L	1	16.03709	11.55452	17.68579	18.68239	13.9173	16.2111	15.38796	9.569776	15.77519	9.343861	15.57542	13.25758	0.851186
DIS3L2	1	2.991923	3.065813	5.832672	6.843566	3.236243	3.395252	4.604303	6.842545	4.558742	4.621062	4.394044	4.804381	1.093385
DISC1	1	0.702155	0.532637	0.890657	0.705171	0.413803	3.229202	1.605078	2.996972	4.399865	2.092736	0.648885	2.864771	4.414915
DISP1	1	2.773945	1.522547	1.414786	1.05457	1.540073	1.361871	1.270669	1.295018	0.658337	0.644283	1.661184	1.046035	0.629693
DISP2	1	3.616167	3.932694	14.6363	6.083726	0.1089	0.886725	3.704699	18.21908	12.53969	26.59489	5.675558	12.38902	2.182872
DISP3	1	1.93771	1.919743	3.177787	4.302243	4.237464	0.947206	3.348326	1.632612	2.183249	2.171011	3.11499	2.056481	0.660189
DIXDC1	1	13.17906	14.37945	25.17049	28.51048	15.68098	9.97417	22.3854	18.79692	21.87678	10.10175	19.38409	16.627	0.857765
DKC1	1	12.4614	11.77589	10.78738	12.23972	15.81299	5.744291	7.683272	11.24282	7.551936	7.204636	12.61548	7.885391	0.625057
DKK1	1	0.748085	3.112484	0.257967	0.235823	6.517554	0.618154	0.962153	0.101757	0	0.196353	2.174383	0.375683	0.172777
DKK2	1	8.528687	11.64809	1.998449	2.522189	2.772465	0.604411	6.66399	0.02296	1.148183	0.014768	5.493976	1.690862	0.307767
DKK3	1	129.6858	135.7102	109.3141	124.8288	250.8459	139.6401	185.9757	139.3349	218.8871	369.3164	150.077	210.6309	1.403486
DKK4	1	0	0	0.056849	0	0	0	0.055313	0	0.067284	0.108178	0.01137	0.046155	4.059415
DKKL1	1	0.948529	1.203017	0.19122	0.524417	1.504798	3.971172	1.364391	3.507416	0.905271	2.328771	0.874396	2.415404	2.762368
DLAT	1	18.47883	20.79672	14.8107	13.31759	14.71445	16.11338	26.5228	25.97513	20.34994	18.4486	16.42366	21.48197	1.307989
DLC1	1	11.05372	9.652001	10.21382	10.17831	7.180432	14.2116	10.81103	24.93774	8.452414	5.172025	9.655655	12.71696	1.317048
DLD	1	45.86143	45.47509	29.58935	30.73021	21.74364	23.52009	43.96898	31.15766	48.33319	41.69041	34.67994	37.73406	1.088066
DLEC1	1	4.386357	3.702799	2.058555	3.556694	4.092558	2.536881	5.980183	12.98062	2.923674	2.081712	3.559393	5.300614	1.489191
DLEU7	0.127374	0	0	0	0.060969	0	3.462668	4.812805	0.986547	0	2.961255	0.012194	2.444655	200.484
DLG1	1	32.44845	37.88047	18.74449	20.84874	26.30022	32.11526	46.75052	26.53147	35.96417	13.53839	27.24447	30.97996	1.13711
DLG2	1	36.37337	34.05609	28.76266	36.03922	26.41455	73.20166	52.13031	29.10918	29.85355	27.3076	32.32918	42.32046	1.309048
DLG3	1	24.78741	25.83708	10.70762	16.51533	18.86975	14.8116	31.96699	19.65624	14.36772	17.17832	19.34344	19.59617	1.013066
DLG4	1	71.22492	61.4091	53.99265	73.33326	51.85382	221.4643	113.0647	48.05448	49.71413	94.2565	62.36275	105.3108	1.688681
DLG5	1	5.409049	6.111218	13.17294	10.58449	4.243795	5.473089	3.922623	8.699398	9.731668	11.45788	7.904298	7.856931	0.994007
DLGAP1	1	42.73076	46.81117	15.08077	18.03538	29.80152	24.438	42.45244	16.07184	12.74494	13.89813	30.49192	21.92107	0.718914
DLGAP2	1	7.053271	5.390552	2.006582	3.857667	1.788103	2.930301	4.299145	0.04797	0.047977	0.030855	4.019235	1.47125	0.366052
DLGAP3	1	12.24127	14.15329	23.44238	39.1906	13.01316	20.40088	10.66418	7.791521	12.45412	28.94899	20.40814	16.05194	0.786546
DLGAP4	1	9.953497	8.597582	17.90464	23.08648	11.75971	14.76557	12.67618	9.109152	8.500075	10.2446	14.26038	11.05911	0.775513
DLGAP5	1	0.053153	0.093375	0	0	0	0.309077	0.112948	0.030527	0.030532	0	0.029306	0.096617	3.296873
DLK1	1	0	0	4.984309	1.893777	0	0	0.151551	0.399364	0.245798	0.059279	1.375617	0.171198	0.124452
DLK2	1	3.190833	3.560142	2.4903	5.819507	8.372844	3.911402	4.581324	0.445758	0.891646	6.307732	4.686725	3.227573	0.688663
DLL1	1	1.077117	1.685809	5.38364	7.2567	2.314814	2.534717	1.029201	1.438582	0.878223	1.484096	3.543616	1.472964	0.415667

DLL3	3.48E-05	0.267293	0.055605	0.553034	0.497136	0.381761	8.429816	5.007237	5.4719	1.090903	9.822051	0.350966	5.964381	16.99419
DLL4	1	1.332017	0.530546	1.943405	2.032588	1.184887	5.148616	1.021787	1.342726	2.45726	2.296946	1.404688	2.453467	1.746627
DLST	1	23.99248	24.77305	31.84851	27.95005	17.15273	37.08264	48.68665	41.3958	21.15818	32.50768	25.14336	36.16619	1.438399
DLX1	1	3.09009	3.47027	0.599879	2.241524	2.492353	4.581912	3.046027	0	0	0	2.378823	1.525588	0.64132
DLX2	1	0.312766	0.504584	0.130109	0.767163	0.646663	0.46766	0.316482	0	0	0	0.472257	0.156828	0.332083
DLX3	1	0.014548	0	0	0	0	0	0	0.112792	0	0	0.00291	0.022558	7.753329
DLX4	1	0	0	0	0	0	0	0	0.075428	2.07458	1.431224	0	0.716247	#DIV/0!
DLX5	1	1.015183	1.071027	0.466762	0.704047	0.833711	1.258291	1.163759	0	0	0	0.818146	0.48441	0.592083
DLX6	1	1.004691	1.405362	0.162072	0.512861	2.18422	1.344344	0.982548	0	0.059021	0	1.053841	0.477183	0.452803
DMAC1	1	8.45468	10.3822	10.39759	9.596836	37.1992	6.014034	3.523384	4.073129	4.582936	15.50088	15.2061	6.738873	0.443169
DMAC2	1	10.64576	9.886654	5.411927	7.792103	15.86024	7.294701	9.596036	10.72305	6.910946	8.563844	9.919337	8.617715	0.868779
DMAP1	1	7.255771	6.495811	7.992057	10.87085	11.98508	12.27205	11.15023	11.27845	11.52472	24.71736	8.919915	14.18856	1.590661
DMBT1	1	0.008677	0.019597	0.009475	0.025985	0	0.056761	0	0	0.033642	0.266838	0.012747	0.071448	5.605205
DMBX1	1	0	0	0.255215	0.119987	0	0	0	0	0	0	0.07504	0	0
DMC1	1	0.022519	0.025431	0.02459	0.006744	0	0.176774	0	0.101849	0.145519	0.271398	0.015857	0.139108	8.772747
DMD	1	3.32646	2.851654	4.928607	3.575813	1.753761	4.309496	4.493643	2.444753	3.354447	1.299574	3.287259	3.180383	0.967488
DMGDH	1	1.404913	0.05077	0.233189	0.329856	0.091499	2.911539	10.11443	5.53352	11.35917	6.856836	0.422046	7.355099	17.42726
DMKN	1	0.164986	0	0	0.043919	0.049746	0.191872	0.077908	0.023689	0.094769	0.076184	0.05173	0.092884	1.795551
DMP1	0.000584	14.85301	14.99511	19.6249	17.44463	6.251232	1.680664	1.115494	1.197093	0.510834	2.741126	14.63377	1.449042	0.09902
DMPK	1	6.306495	4.65311	10.84239	13.70529	7.163499	2.604708	2.583806	2.312114	3.973507	3.005758	8.534156	2.895979	0.33934
DMRT1	1	0	0.038353	0.037086	0.040683	0	0.088867	0.920131	0.065829	0.219463	0.098798	0.023224	0.278617	11.9968
DMRT2	1	1.17081	1.090237	0.209345	0.401888	2.043808	2.65155	3.157174	0	0.035396	1.434098	0.983217	1.455644	1.48049
DMRT3	1	0	0	0	0.036957	0	0.080728	0.245842	0	0	0	0.007391	0.065314	8.83653
DMRTA1	1	0.042443	0.239654	0.13904	0.101684	0.057588	0.222116	0	0.164536	0.274267	0.035277	0.116081	0.139239	1.199495
DMRTA2	1	0.427823	0.17124	0.248371	0.324358	0.249829	0	0.080553	0	0	0	0.284324	0.016111	0.056663
DMRTB1	1	0	0	0	0	0	0.102542	0	0	0	0	0	0.020508	#DIV/0!
DMRTC2	1	0	0	0	0	0	0	0.222538	0	0.180465	0.17409	0	0.115419	#DIV/0!
DMTF1	1	17.51184	18.1322	13.00485	12.2122	15.72145	22.98905	21.70838	37.68971	40.4598	30.19706	15.31651	30.6088	1.998419
DMTN	1	66.04826	58.59608	36.80259	55.50306	88.71563	106.924	68.23185	13.54292	12.98518	39.947	61.13313	48.3262	0.790508
DMWD	1	11.08457	11.31879	18.66947	26.48337	16.37051	11.29038	7.056189	3.880253	3.111646	9.511053	16.78534	6.969905	0.415238
DMXL1	1	4.246187	5.957775	8.584385	7.046503	2.181342	4.06476	9.872435	11.08104	12.36326	6.232625	5.603238	8.722824	1.556747
DMXL2	1	10.5677	16.45699	15.48336	11.72402	6.234955	6.050364	25.10257	20.56671	18.4934	16.50475	12.09341	17.34356	1.434134
DNA2	0.127917	0.38976	0.358415	0.170244	0.066699	0.060439	2.127161	1.869413	3.669499	2.907242	2.776765	0.209111	2.670016	12.76839
DNAAF1	1	0.497088	1.357481	0.453987	0.324795	0.171682	0.094597	0.115231	0.256939	0.420507	0.195313	0.561007	0.216518	0.385945
DNAAF2	1	1.82285	1.55258	1.528073	1.492481	1.449009	1.702348	0.821644	1.49104	2.633497	1.418167	1.568999	1.613339	1.02826
DNAAF3	1	0.233171	0.263322	0.956748	1.066473	0.920364	5.102911	2.777674	5.295731	2.520404	2.912935	0.688015	3.721931	5.409662
DNAAF4	1	5.154657	4.112793	1.39496	1.436296	1.52044	3.166749	5.786245	5.097081	4.808174	2.123562	2.723829	4.196362	1.540611
DNAAF5	1	1.963287	1.697227	4.114384	4.690941	2.125342	1.052377	1.776706	2.352369	3.337567	3.853029	2.918236	2.47441	0.847913
DNAH1	1	0.061881	0.051652	0.326112	0.27717	0.029204	0.02816	0.10005	0.490214	0.542443	0.503153	0.149204	0.332804	2.23053
DNAH10	0.489818	0.074607	0.191075	0.22404	0.228215	0.155459	0.878492	0.770028	1.001957	2.04553	1.858101	0.174679	1.310822	7.504176
DNAH12	1	0.822802	0.813608	1.959536	1.327972	1.233638	0.292167	0.449107	1.497814	1.683568	1.100404	1.231511	1.004612	0.815756
DNAH14	1	0.00273	0.027751	0	0.006541	0	0	0	0	0	0.002269	0.007405	0.000454	0.061298
DNAH17	1	0.015125	0.052664	0.060558	0.043784	0	0.039576	0.372275	1.009786	0.175924	0.324751	0.034426	0.384462	11.16778
DNAH2	0.000394	0.0054	0.021345	0.173962	0.122911	0	0.869042	1.982368	6.908595	1.814643	0.576778	0.064724	2.430285	37.54867
DNAH3	1	0	0	0.056213	0.04111	0	0	0.27347	0.310431	0	0.427868	0.019465	0.202354	10.39599
DNAH5	1	0.479194	0.664034	0.662489	0.61747	0.480184	0.247327	0.340978	0.17611	0.727269	0.14068	0.580674	0.326473	0.56223

DNAH6	1	0	0	0.091467	0.04348	0	0.007306	0.207656	0.205655	1.039249	0.104431	0.026989	0.312859	11.59196
DNAH7	1	0.46251	0.495565	0.351222	0.545077	0.341685	0.07829	0.052982	0.109545	1.211615	0.300492	0.439212	0.350585	0.798214
DNAH8	1	0.023497	0.029484	0.017106	0.006255	0.007085	0.29376	0.244105	0.492567	0.114724	1.273802	0.016685	0.483792	28.99493
DNAH9	1	0.179985	0.102984	0.516247	0.447018	0.146526	0.025118	0.050995	0.040314	0.248123	0.195475	0.278552	0.112005	0.402096
DNAI1	1	0.327447	0.29583	0.762806	0.566578	0.276448	0.533131	0.479334	0.714626	3.949821	1.693457	0.445822	1.474074	3.30642
DNAI2	1	0	0	0.246074	0.30546	0.032185	0	0.037804	0.459786	0.459853	0.098579	0.116744	0.211205	1.809127
DNAJA1	1	23.65432	21.32646	15.76695	19.56304	24.7967	57.85948	90.06249	41.16863	30.55432	27.68655	21.02149	49.46629	2.353129
DNAJA2	1	46.50659	48.05245	26.27633	31.37672	40.08195	29.00817	59.12359	39.77429	37.53261	40.54275	38.45881	41.19628	1.071179
DNAJA3	1	14.65499	15.67683	18.34392	22.67431	28.82048	10.22592	15.68258	11.06277	9.047717	13.577	20.03411	11.9192	0.594945
DNAJA4	1	24.86966	24.87136	26.36119	30.62588	30.50054	90.88136	64.47534	38.63379	28.34573	40.75362	27.44573	52.61797	1.917164
DNAJB1	1	18.77308	21.15653	18.60991	23.42206	38.18683	16.15669	42.84067	15.95774	23.05342	11.48236	24.02968	21.89817	0.911297
DNAJB11	1	15.9396	15.71182	9.101034	10.22201	19.35287	19.4293	25.80061	19.94885	19.09493	16.05874	14.06547	20.06649	1.426649
DNAJB12	1	13.31303	11.29376	11.4916	13.28966	4.257847	8.874815	13.90901	20.93078	8.684876	13.41015	10.72918	13.16193	1.226741
DNAJB13	1	0.374316	0.147032	0.533146	1.208705	0.264983	2.810619	0.691654	1.64037	1.34614	1.433852	0.505636	1.584527	3.133728
DNAJB14	1	12.03461	14.86905	1.905148	1.355925	5.225933	7.21905	15.85561	11.65476	5.336693	3.321713	7.078134	8.677567	1.225968
DNAJB2	1	23.59073	26.66229	52.21609	61.33848	66.07438	73.94749	67.05093	61.04146	44.31229	81.29357	45.97639	65.52915	1.425278
DNAJB3	1	0.03424	0.444681	0	0	0	0	0	0	0	0	0.095784	0	0
DNAJB4	1	13.51131	13.86999	9.528677	10.66115	8.88548	9.206913	15.45495	11.17971	21.54948	6.172453	11.29132	12.7127	1.125882
DNAJB5	1	26.60352	33.30079	20.56801	29.45353	86.11299	27.47334	75.7076	12.48042	7.398974	12.98567	39.20777	27.2092	0.693975
DNAJB6	1	43.18058	63.13382	28.75949	31.93442	93.28471	63.79528	74.87958	69.72988	59.59179	71.35256	52.0586	67.86982	1.30372
DNAJB7	1	0.017635	0.318638	0	0	0	0	0	0	0	0	0.067255	0	0
DNAJB8	1	0.038095	0.279637	0	0	0	0	0	0	0	0.221644	0.063546	0.044329	0.697581
DNAJB9	1	19.22737	20.13688	12.39788	14.78892	15.78958	9.34649	25.0143	15.47725	29.93314	13.74862	16.46813	18.70396	1.135767
DNAJC1	1	4.77314	3.891902	2.528294	3.189546	4.22897	8.388606	4.446885	2.186402	3.03839	2.161277	3.72237	4.044312	1.086488
DNAJC10	1	14.90753	13.34315	10.96148	12.10264	16.99427	6.166328	11.71662	8.967354	9.624902	4.599147	13.66181	8.214869	0.601302
DNAJC11	1	17.84307	17.40505	14.24266	15.92711	23.27252	9.944889	13.70049	10.36458	8.484243	14.52288	17.73808	11.40342	0.642878
DNAJC12	1	17.97418	16.86785	15.6359	14.51013	25.96143	23.61515	22.71298	26.06073	17.52839	16.55293	18.1899	21.29404	1.170652
DNAJC13	1	5.549388	7.127713	8.449095	7.269708	4.241113	9.953223	10.65281	10.71927	16.20866	9.232929	6.527404	11.35338	1.739341
DNAJC14	1	12.76428	11.46376	10.46455	11.07715	14.55764	18.61291	15.92348	20.60508	18.87159	22.54054	12.06548	19.31072	1.600494
DNAJC15	1	20.6321	19.96175	15.12858	12.80462	8.183591	6.094076	8.882638	2.700849	10.18754	6.849559	15.34213	6.942933	0.45254
DNAJC16	1	9.643091	10.25309	8.465347	10.43453	6.608394	2.968556	9.296495	5.274234	5.241295	3.208174	9.08089	5.197751	0.572383
DNAJC17	1	4.602638	4.301616	5.353354	4.119261	11.43725	12.55114	5.808268	11.30277	8.02249	12.83981	5.962823	10.1049	1.69465
DNAJC18	1	23.53292	22.62253	16.22639	17.05229	10.66234	10.74603	22.10535	14.44193	16.55763	13.82734	18.01929	15.53565	0.862168
DNAJC19	1	17.80162	16.39084	8.478314	11.60486	44.22673	34.95851	20.21432	9.129143	26.93941	25.81326	19.70047	23.41093	1.188344
DNAJC2	1	17.79723	16.80043	6.694566	7.754924	14.2363	8.659428	11.35843	9.104592	8.869399	6.553303	12.65669	8.90903	0.703899
DNAJC21	1	42.55438	41.96074	14.07243	20.85661	37.44128	13.6771	30.90796	16.23372	7.87345	5.737665	31.37709	14.88598	0.474422
DNAJC22	1	0.091071	0.04571	0.044199	0.060607	0.164758	0	0.623569	1.3076	0.470805	0.117748	0.081269	0.503944	6.200936
DNAJC24	1	2.785167	3.13016	0.478414	0.476619	2.341412	3.322229	2.22294	5.326368	1.409786	0.93638	1.842355	2.643541	1.434871
DNAJC25	1	2.157089	1.677494	1.692574	1.732957	1.086602	2.974282	5.736493	6.376052	4.807776	3.993767	1.669343	4.777674	2.862008
DNAJC27	1	12.20579	13.26873	11.4566	10.97068	8.915937	8.493383	8.221152	6.665915	12.36964	10.69253	11.36355	9.288524	0.817397
DNAJC28	1	7.144673	7.856192	5.839976	5.411662	7.072192	1.803924	2.153013	2.632073	0.620989	1.180738	6.664939	1.678147	0.251787
DNAJC3	1	20.75481	22.83292	17.06953	12.04149	9.381796	11.70362	19.00863	17.19181	13.9796	7.529997	16.41611	13.88273	0.845677
DNAJC30	1	5.477757	4.774956	4.437964	6.697845	5.617125	3.434743	3.593904	2.315999	1.696471	3.482886	5.401129	2.904801	0.537814
DNAJC4	1	1.825308	1.96199	4.03443	4.201817	4.595217	9.092077	12.73425	17.44871	9.777249	12.59405	3.323752	12.32927	3.709442
DNAJC5	1	36.2383	36.89104	42.64421	47.17548	45.37356	27.32075	14.27773	10.39802	13.22046	29.74438	41.66452	18.99227	0.455838
DNAJC5B	1	0.061861	0.083831	0	0	0	0	0.131451	0	0	0	0.029138	0.02629	0.90225

DNAJC5G	1	0.345056	0.405578	0	0.092791	0.668834	0.51594	0.299276	0	0	0.035118	0.302452	0.170067	0.562294
DNAJC6	1	136.5495	133.4544	115.3688	128.3124	60.02909	105.4852	126.888	99.59289	117.3674	90.40582	114.7428	107.9478	0.940781
DNAJC7	1	41.21619	45.62645	27.05436	29.51591	44.91374	78.49608	62.89856	77.94586	62.33069	67.65527	37.66533	69.86529	1.854897
DNAJC8	1	45.61599	33.72636	28.61756	27.88215	63.39729	64.38572	41.60944	36.2524	33.36088	55.3568	39.84787	46.19305	1.159235
DNAJC9	1	7.540928	7.225166	5.755514	4.963523	3.101851	5.234192	3.778312	4.185028	5.00635	3.325217	5.717396	4.30582	0.753108
DNAL1	1	12.87736	16.18559	13.07567	9.816363	5.491346	7.089231	7.498377	5.834947	12.53615	6.310739	11.48927	7.85389	0.683585
DNAL4	1	2.477425	2.387996	2.787278	3.777062	6.790824	10.21499	5.450518	4.397857	4.980651	3.140728	3.644117	5.636948	1.546863
DNALI1	1	0.244084	0.765681	0.562684	0.568529	0.404777	0.85158	1.037331	0.876139	0.630912	0.586081	0.509151	0.796409	1.56419
DNASE1	0.136566	2.754821	2.916595	8.541168	7.670495	2.551223	1.172802	0.522666	0.727507	0.918346	1.122142	4.886861	0.892692	0.182672
DNASE1L1	1	7.422284	5.255249	5.336543	5.924075	6.857209	2.749578	2.67592	1.724267	1.552066	5.365086	6.159072	2.813384	0.456787
DNASE1L2	0.029105	0.152521	0.109609	1.029581	0.240837	0.301012	2.684829	3.020017	8.188232	7.132145	3.146211	0.366712	4.834287	13.18278
DNASE1L3	1	0	0.032655	0	0	0.019617	0	0	0.018683	0.112114	0	0.010454	0.026159	2.50223
DNASE2	1	5.684823	2.353501	6.436634	7.962018	12.18077	10.84185	4.769096	5.386042	2.16748	19.37162	6.923549	8.507218	1.228737
DNASE2B	1	0.010812	0	0.023614	0	0.058682	0	0	0.055887	0	0.035947	0.018622	0.018367	0.986326
DND1	1	0.175851	0.039718	1.228965	0.758343	0.09544	3.036942	1.083656	1.317983	0.818177	6.080317	0.459663	2.467415	5.367874
DNER	1	45.03832	43.76182	103.809	78.66864	69.65601	78.64733	122.3629	107.0733	181.2871	162.1468	68.18675	130.3035	1.91098
DNHD1	1	0.011702	0.016152	0.090871	0.091896	0.014114	0.054437	0.135386	0.278916	0.645297	1.484921	0.044947	0.519792	11.56452
DNLZ	1	3.576049	2.722217	3.355386	4.727966	15.88617	6.931347	3.940183	5.202958	3.834316	12.99002	6.053558	6.579765	1.086925
DNM1	1	145.7435	157.5778	157.3001	152.3442	166.7326	59.33857	166.1514	174.4053	110.5925	211.1707	155.9397	144.3317	0.925561
DNM1L	1	55.19567	61.09293	28.92066	29.58032	36.80076	36.88151	75.25514	55.1483	38.65224	28.57933	42.31807	46.9033	1.108352
DNM2	1	10.5022	9.754986	27.35101	33.82965	12.72605	21.62726	13.35372	19.20164	16.46426	29.03222	18.83278	19.93582	1.05857
DNM3	1	12.31464	17.48065	22.15467	17.01941	8.619578	5.347515	16.39427	27.40803	31.14863	30.56391	15.51779	22.17247	1.428842
DNMBP	1	1.323338	1.187645	2.284023	1.791681	1.078124	1.437071	1.719495	2.098864	1.751825	1.277163	1.532962	1.656884	1.080838
DNMT1	1	7.348802	6.640472	8.278601	8.020079	2.419489	7.399756	9.891385	21.55836	13.27623	18.09465	6.541489	14.04408	2.146923
DNMT3A	1	7.15921	7.612761	12.50563	7.497926	5.989447	4.140348	5.172275	11.42451	8.822744	9.888213	8.152995	7.889619	0.967696
DNMT3B	1	0.204696	0.134846	0.195584	0.301397	0.243022	0.714162	0.380598	0.848646	1.366849	0.425342	0.215909	0.747119	3.460343
DNMT3L	1	0	0.026933	0	0	0	0	0.025339	0	0.123289	0	0.005387	0.029726	5.518534
DNPEP	1	5.752961	5.415845	6.271668	7.258368	11.29961	16.88203	12.26543	18.05954	9.89708	16.75574	7.19969	14.77197	2.05175
DNPH1	9.00E-11	9.762179	9.162735	10.09533	11.22939	27.1931	0	0	0	0	0	13.48855	0	0
DNTT	1	0.039086	0.04414	0	0.035116	0.106067	0.102275	0	0	0.151546	0.081218	0.044882	0.067008	1.492983
DNTTIP1	1	10.81367	8.415899	8.12212	10.24639	28.60724	21.4838	13.13057	11.97742	13.60596	23.73012	13.24106	16.78557	1.267691
DNTTIP2	1	33.21219	40.09776	26.27811	22.3274	10.2417	25.73518	29.64943	33.2601	23.76067	22.87154	26.43143	27.05539	1.023607
DOC2A	1	13.40064	10.24206	5.064753	11.00087	31.79512	12.92064	10.9172	0.903635	1.217318	3.558521	14.30069	5.903463	0.41281
DOC2B	1	3.892558	3.000113	22.46301	8.815208	1.156546	13.38243	4.377248	54.74307	58.82706	38.54099	7.865487	33.97416	4.319397
DOC2G	1	0.433557	0.233681	2.02286	2.065615	1.149791	0.257834	0.649088	0.763979	0.458454	1.343152	1.181101	0.694501	0.588012
DOCK1	1	10.47092	8.308378	10.98641	10.32192	6.15884	7.686181	5.266897	4.77102	11.78894	6.697111	9.249294	7.24203	0.782982
DOCK10	1	4.635231	7.166375	20.17368	31.5335	5.235128	16.88464	10.08186	3.684108	10.50123	2.14453	13.74878	8.659275	0.629821
DOCK11	1	1.646747	2.365335	2.115122	1.140271	0.666034	1.362559	1.152323	3.823046	1.054491	1.25156	1.586702	1.728796	1.089553
DOCK2	1	0.518093	0.491054	0.936178	1.063921	0.200848	5.067646	1.74968	1.099879	0.510163	0.225564	0.642019	1.730586	2.695538
DOCK3	1	35.03486	32.53642	20.75565	21.73838	20.34508	24.21295	41.25925	16.10065	9.920593	9.75504	26.08208	20.2497	0.776383
DOCK4	1	18.97551	21.12851	13.79764	16.13817	8.03786	8.160297	21.37799	5.04172	4.915235	1.24211	15.61554	8.147469	0.521754
DOCK5	1	0.538818	0.555401	2.693116	2.911008	0.819407	0.217636	0.203634	0.200938	0.514101	0.264501	1.50355	0.280162	0.186334
DOCK6	1	4.421101	1.987326	6.048737	6.255972	6.457886	13.94175	3.342482	8.767228	3.44302	4.43751	5.034205	6.786398	1.348058
DOCK7	1	4.651201	4.681915	5.683309	4.111622	2.916549	3.937204	7.065244	7.044616	11.195	7.598802	4.408919	7.368174	1.671198
DOCK8	1	1.115495	1.56258	2.952967	2.696785	0.56261	7.005301	3.706398	1.642398	1.25819	0.164829	1.778087	2.755423	1.549656
DOCK9	1	28.61026	34.03945	32.57988	33.62927	22.62885	27.44706	34.48245	26.49804	28.33529	17.23855	30.29754	26.80028	0.884569

DOHH	1	3.4056	3.732847	4.418867	4.343517	4.675202	1.467745	0.659819	0.232983	1.294538	6.393874	4.115206	2.009792	0.488382
DOK1	1	2.980171	1.704616	2.578072	2.526767	5.461488	3.342045	1.6243	1.500405	3.051268	1.318932	3.050223	2.16739	0.710568
DOK2	1	0.081745	0.300024	0.133896	0.244804	0.499114	0	0	0	0.26412	0.271774	0.251917	0.107179	0.425454
DOK3	1	0.350226	0.333714	0.812685	0.760405	0.297	0.114553	0.046513	0	0.452636	0.345677	0.510806	0.191876	0.375633
DOK4	1	3.47348	3.035021	2.090288	4.836621	6.673801	19.37203	11.85265	6.093884	7.339939	10.41021	4.021842	11.01374	2.738482
DOK5	1	9.523903	6.655808	7.485141	7.469324	14.8926	11.11939	10.7088	7.478016	7.175524	7.259248	9.205355	8.748196	0.950338
DOK6	1	23.79691	35.23896	13.7573	19.3817	14.81565	12.77419	8.63556	0.755	1.633275	3.521658	21.39811	5.463936	0.255347
DOK7	1	0.709563	0.864909	2.570462	3.50111	0.932196	0.589424	0.095732	0.829587	2.707467	1.310588	1.715648	1.10656	0.644981
DOLK	1	4.983229	4.205565	5.24655	5.701934	9.475686	4.860578	8.691421	4.916129	3.139393	4.334886	5.922593	5.188482	0.876049
DOLPP1	1	3.890386	4.211175	5.231439	5.901651	6.707759	3.37846	5.902331	15.12563	4.479067	5.746982	5.188482	6.926493	1.334975
DONSON	1	6.441712	6.559122	6.333462	5.604914	9.037935	12.49837	15.86325	16.92116	15.95776	8.169617	6.795429	13.88203	2.042848
DOPEY1	1	6.2357	7.55538	8.758478	7.64647	4.630845	4.160143	8.016076	12.35135	19.42791	13.24609	6.965375	11.44031	1.642455
DOPEY2	1	2.340576	2.576784	3.167594	2.218495	1.957528	3.587685	5.78895	5.249151	8.066619	10.24795	2.452195	6.58807	2.686601
DOT1L	1	2.605881	2.444997	8.305017	5.818702	2.906863	0.905568	1.654643	3.6735	3.141566	4.12638	4.416292	2.700332	0.611448
DPAGT1	1	4.116357	4.203738	5.337791	5.797729	10.01413	5.63801	8.234529	6.98151	3.906889	4.731127	5.893948	5.898413	1.000758
DPCD	1	32.86122	31.82605	14.35353	20.8414	84.73026	80.0317	32.04425	8.300403	4.178294	20.71911	36.92249	29.05475	0.786912
DPEP1	1	0	0	0.022292	0.036681	0	0.213666	0	0	0.685964	0.06787	0.011794	0.1935	16.40599
DPEP2	0.813052	0.060413	0	0.032985	0	0.040985	0.07904	0.016047	0.039033	1.249253	2.661302	0.026877	0.808935	30.0981
DPEP2NB	1	0.156594	0.170948	0	0	0.226638	0.163902	0.155286	0.242825	1.565103	0.216927	0.110836	0.468809	4.229749
DPEP3	1	0.281757	0.039774	0.153837	0.105474	0.191149	0.276474	0.11226	0.204802	0	0	0.154398	0.118707	0.768839
DPF1	1	9.504958	8.005239	4.526844	9.534002	11.21854	14.80291	9.174071	2.930045	2.101651	4.997118	8.557918	6.801158	0.794721
DPF2	1	15.83966	11.56139	18.52788	21.06103	30.30709	28.34947	19.57389	33.84408	20.17061	22.59192	19.45941	24.906	1.279895
DPF3	1	0.92117	1.030637	3.901024	1.661772	1.132338	0.478886	0.715567	3.329842	3.204177	7.6524	1.729388	3.076174	1.778765
DPH1	1	2.37322	2.458357	3.020321	4.151811	2.386095	6.254596	7.745862	6.993901	7.061117	8.954489	2.877961	7.401993	2.571957
DPH2	1	4.529372	4.331428	3.663693	4.804582	10.94623	5.187676	4.520686	1.300656	2.207495	4.398445	5.65506	3.522992	0.62298
DPH3	1	9.989065	11.84358	9.505103	10.90098	16.96979	11.56312	6.278343	7.967954	11.98023	7.055484	11.8417	8.969026	0.75741
DPH5	1	5.931659	9.356126	7.319032	5.326693	4.414997	4.628744	4.034812	3.795809	3.796361	2.522427	6.469701	3.75563	0.580495
DPH6	1	2.199286	2.090901	1.251054	1.115072	2.442773	5.460361	3.173546	3.886222	2.855599	1.632423	1.819817	3.40163	1.869215
DPH7	1	6.016732	4.306338	6.807028	6.988585	24.47566	10.8145	7.981685	10.82887	7.141601	18.27656	9.718868	11.00864	1.132708
DPM1	1	42.01082	42.72759	22.9375	28.1328	59.72322	31.58527	35.87884	33.41119	34.50007	20.49008	39.10639	31.17309	0.797136
DPM2	1	11.91692	9.847202	14.1117	16.76599	59.76269	31.47508	24.32513	14.50365	16.18173	39.54545	22.4809	25.20621	1.121228
DPM3	1	5.969473	5.963511	9.727679	11.33126	23.1773	17.78289	8.586654	4.390979	9.495389	27.32712	11.23384	13.51661	1.203204
DPP10	1	39.73071	39.34633	10.95239	14.88319	19.15445	9.316878	31.50315	4.48767	4.180459	3.147018	24.81342	10.52703	0.424248
DPP3	1	6.713223	5.188392	7.37478	9.524372	6.553182	8.73032	9.105181	11.3696	6.641926	9.683595	7.07079	9.106125	1.287851
DPP4	1	5.428566	0.535619	0.506657	0.40141	0.685504	0.215836	0.197187	0.213179	0.506373	0.282806	1.511551	0.283076	0.187275
DPP6	1	50.03557	47.54382	35.21017	51.59032	44.36151	11.05385	43.70624	34.02249	29.53181	52.77214	45.74828	34.21731	0.747947
DPP7	1	6.621333	5.423503	13.81357	15.81435	17.85721	6.470439	4.538009	6.971743	3.90897	8.408022	11.90599	6.059436	0.50894
DPP8	1	19.62085	25.18101	18.08872	17.51431	15.86784	26.44018	32.22334	32.00875	37.44454	19.87147	19.25455	29.59765	1.537177
DPP9	1	1.966717	2.082807	3.963412	4.120329	1.981341	3.93146	4.502029	3.424937	2.312714	3.949867	2.822921	3.624201	1.283848
DPPA2	1	0	0	0	0	0	0	0	0	0.162903	0	0	0.032581	#DIV/0!
DPPA3	1	0	0	0	0	0	0	0	0.028995	0	0.13055	0	0.031909	#DIV/0!
DPPA4	1	0	0	0	0	0	0	0	0	0.063087	0	0	0.012617	#DIV/0!
DPRX	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DPT	1	0.157823	0.101846	0.02462	0	0.122365	0	0	0	0.46622	0.187395	0.081331	0.130723	1.607304
DPY19L1	1	14.93848	17.07084	10.81169	13.28286	14.13189	3.87921	8.197059	11.64094	9.384489	9.694196	14.04715	8.559178	0.609318
DPY19L2	1	0.852293	1.864842	0.249291	0.136735	0.289105	0.199122	2.215338	1.947031	0.157359	0.581898	0.678453	1.02015	1.50364

DPY19L3	1	4.459322	4.763119	4.189812	3.540769	4.434769	8.448356	10.4965	17.54806	21.1724	9.973609	4.277558	13.52778	3.162501
DPY19L4	1	3.337919	4.655845	4.410511	3.56853	2.324566	1.978503	1.988049	3.611449	9.413398	3.575852	3.659474	4.11345	1.124055
DPY30	1	21.24219	18.7722	10.82872	13.78052	71.14791	54.13692	24.29373	26.91953	39.46313	39.13629	27.15431	36.78992	1.354846
DPYD	1	3.649124	2.72493	3.172973	4.34073	1.152797	4.73536	2.247726	2.481252	9.53115	1.384107	3.008111	4.075919	1.354976
DPYS	1	0	0	0.123359	0.126866	0	0.258649	0.015003	0	2.117008	2.769903	0.050045	1.032112	20.62376
DPYSL2	1	218.2154	233.9264	318.9689	446.7731	255.0313	225.6907	244.7717	261.6396	169.9874	194.1644	294.583	219.2507	0.744275
DPYSL3	1	21.1655	18.20497	18.79453	21.1324	5.678689	41.83172	72.10404	10.10381	22.26516	16.46285	16.99522	32.55352	1.915452
DPYSL4	1	8.936312	10.43952	6.791291	16.42133	14.78824	6.606142	12.69219	2.645725	12.21588	51.1037	11.47534	17.05273	1.486032
DPYSL5	1	9.922045	10.09343	16.08997	20.09429	14.52797	20.05446	15.04849	29.07044	13.98381	18.17997	14.14554	19.26743	1.362085
DQX1	1	0.062376	0.064038	0.334375	0.108684	0.092328	0.474814	0.132546	0.351725	0.263832	0.575008	0.13236	0.359585	2.716716
DR1	1	11.35578	11.99467	7.573362	6.969479	9.494808	11.74127	14.84151	11.73474	18.77832	14.13377	9.47762	14.24592	1.503112
DRAM1	1	0.685799	0.387238	0.452448	0.949875	0.736658	0.74771	0.197341	0.49849	1.070985	0.391884	0.642404	0.581282	0.904855
DRAM2	1	5.302503	5.33703	4.706497	3.940176	5.437649	4.550759	5.533352	6.974148	8.624282	3.778778	4.944771	5.892264	1.191615
DRAP1	1	42.68208	38.27609	36.17649	44.97211	105.6632	95.88683	42.14135	105.7667	60.05182	148.1604	53.554	90.40142	1.688042
DRAXIN	1	1.493003	1.737461	0.397641	0.392588	0	3.001478	6.906111	0.023528	0.094125	0.030267	0.804139	2.011102	2.500939
DRC1	1	0.631225	0.47523	0.987124	1.362919	0.338358	0	0.033119	0.02014	5.277526	2.059749	0.758971	1.478107	1.947514
DRC3	1	0.612917	0.506215	0.958988	0.986252	1.514307	3.446969	1.866151	1.820475	3.121268	3.8778	0.915736	2.826533	3.086625
DRC7	1	0.199454	0.37783	0.281033	0.16956	0.331736	0.202028	0.820317	0.848045	0.631969	2.770128	0.271923	1.054497	3.877932
DRD1	1	3.040467	2.17438	1.571576	5.086594	0.774065	1.594569	7.452695	0.787467	0.335141	0.06466	2.529416	2.046906	0.809241
DRD2	1	0.236588	0.416486	2.355535	5.126329	1.793882	0.218495	0.369659	0.071935	0.071945	1.515314	1.985764	0.44947	0.226346
DRD3	1	0.019302	0.010899	0	0.277461	0	0.151521	0	0.09977	0	0	0.061532	0.050258	0.816774
DRD4	1	0.02305	0.020824	0	0.055222	0	0	0.029388	0	0.190654	0.130275	0.019819	0.070063	3.535125
DRD5	1	0.189038	0.170785	2.683529	3.102323	0.256493	2.473239	0.441865	0.415273	1.465884	1.335535	1.280433	1.226359	0.957769
DRG1	1	6.803405	7.669079	10.2406	7.80708	15.69456	18.81113	18.36845	15.9115	14.66	31.67495	9.642944	19.88521	2.062151
DRG2	1	9.104022	8.317395	9.941413	12.31481	24.51101	12.25905	14.60701	15.72995	10.259	18.17771	12.83773	14.20654	1.106624
DRGX	0.266251	2.001241	1.609976	0.70164	1.162558	2.669948	0.175136	0	0	0	0	1.629073	0.035027	0.021501
DROSHA	1	7.353765	7.850099	6.935744	6.296986	6.498983	26.92031	20.42463	36.14873	12.27675	12.01699	6.987115	21.55748	3.085319
DRP2	1	8.729035	8.736287	5.25643	6.914973	2.869682	3.530776	8.593802	2.919144	0.783777	0.743485	6.501281	3.314197	0.509776
DSB	1	0.031163	0.029327	0.011343	0.006222	0	0.108724	0.06622	0.147655	0.349053	0.5353	0.015611	0.24139	15.46286
DSC1	1	0.023101	0	0	0	0	0.518115	0.119213	0.341157	0	0	0.00462	0.195697	42.35739
DSC2	1	0.95808	0.30947	0.447721	0.636485	0.175977	0.470742	0.280044	0.205441	4.04453	1.616991	0.505547	1.323549	2.618056
DSC3	1	0.150088	0.102337	0.544251	0.875204	0.153695	0.474241	0.144421	0.014638	0.087838	0.004707	0.365115	0.145169	0.397598
DSCAM	1	4.889946	4.420336	2.996879	4.001652	3.143829	4.164558	8.771608	0.770331	0.377953	0.827363	3.890528	2.982362	0.76657
DSCAML1	1	2.556332	2.957517	4.614825	5.697673	2.708399	1.964022	3.178343	4.202982	1.560531	3.300125	3.706949	2.841201	0.766453
DSCC1	1	2.461277	1.396614	0.953261	1.670247	1.414784	1.015225	2.396051	2.632151	3.510045	1.390695	1.579237	2.188834	1.386007
DSE	1	1.382255	0.351536	1.33539	0.492743	0.251407	2.695703	2.559242	0.881118	0.593883	0.221769	0.762666	1.390343	1.823003
DSEL	1	3.278369	1.855476	2.476038	3.045754	1.093821	2.270159	1.571647	6.415749	0.403523	0.051051	2.349891	2.142426	0.911713
DSG1	1	0.182688	0	0	0.006165	0	0	0	0.01995	0	0	0.037771	0.00399	0.105637
DSG2	1	2.429131	0.289632	0.368078	0.210667	0.238619	0.74779	1.487029	4.024327	5.189769	3.173169	0.707226	2.924417	4.135056
DSG3	1	0.284341	0	0	0	0	0	0	0	0	0	0.056868	0	0
DSG4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DSN1	1	2.646805	2.629259	2.89026	2.916161	3.059238	7.139559	8.575364	11.44309	16.80816	6.803508	2.828345	10.15394	3.590063
DSP	1	9.682596	0.069108	1.573586	1.170513	0.010714	0.175622	0.369134	31.42682	1.10214	1.617774	2.501303	6.938299	2.773873
DSPP	0.538153	0	0	0	0	0	0	0.198314	1.676897	0.137847	0.022163	0	0.407044	#DIV/0!
DST	1	21.40741	23.68226	40.72733	39.95318	12.60207	16.8229	19.17682	21.74472	23.5861	22.15736	27.67445	20.69758	0.747895
DSTN	1	289.7111	203.0039	105.3599	122.8333	197.8973	281.2197	244.8803	196.6619	167.3653	133.3756	183.7611	204.7006	1.11395

DSTYK	1	6.241	6.971096	9.993919	9.792694	8.509588	14.50421	17.60283	27.1553	26.91283	16.1534	8.301659	20.46571	2.465256
DTD1	1	10.84419	8.696724	12.64253	12.23713	19.5473	30.70596	21.76317	19.02261	14.01514	22.90344	12.79357	21.68206	1.694762
DTD2	1	1.172396	1.101206	0.455468	0.418621	0.780079	1.592878	0.790503	0.437018	0.116555	0.046849	0.785554	0.596761	0.759669
DTHD1	1	0.043391	0.032667	0.7739	0.424481	0	0.984	0.061469	0.373801	7.402345	2.801032	0.254888	2.32453	9.119813
DTL	1	0.15692	0.130577	0.126261	0.08904	0.05603	0.172887	0.096524	0.064034	0.234827	0.116698	0.111766	0.136994	1.225728
DTNA	1	18.22581	17.56245	24.53254	22.17075	19.03299	19.35583	24.42901	26.00925	30.2335	16.44398	20.30491	23.29431	1.147226
DTNB	1	10.44844	9.849047	9.454826	8.118008	10.02542	5.476988	5.954667	15.60787	7.065955	11.03731	9.579148	9.028558	0.942522
DTNBP1	1	29.77252	22.97812	12.94943	27.37224	49.63693	22.46758	7.369538	4.553837	8.024594	13.66896	28.54185	11.2169	0.392998
DTWD1	1	1.471288	1.345347	1.067082	1.098241	1.027943	1.292865	2.018169	1.745159	1.64608	0.784837	1.20198	1.497422	1.245796
DTWD2	1	0.504346	0.610244	1.363727	0.69046	0.35845	1.633919	2.55169	2.793114	2.234816	0.519004	0.705445	1.946509	2.759262
DTX1	1	7.596489	7.503002	9.947924	7.587983	12.71504	7.06023	6.596604	8.66038	2.524749	9.838669	9.070088	6.936126	0.764725
DTX2	1	0.827522	0.620584	1.764919	2.315578	0.824565	1.759345	1.373784	3.141193	2.138996	4.18059	1.270633	2.518782	1.982304
DTX3	1	20.95451	19.98686	28.9331	31.15276	73.5101	68.79156	38.50268	53.37861	23.85065	53.35693	34.90747	47.57609	1.36292
DTX3L	1	2.230679	1.113288	1.744389	1.060227	0.351484	0.188288	0.77982	0.688088	1.227579	0.299043	1.300013	0.636564	0.489659
DTX4	1	6.366128	6.272986	7.081266	6.673183	9.442823	3.759593	3.727785	5.371021	5.653656	10.67326	7.167277	5.837063	0.814405
DTYMK	1	0.744719	0.867297	1.98222	1.22663	1.957768	8.647264	3.51115	1.744245	7.098304	20.81339	1.355727	8.362871	6.168552
DUOX1	0.470876	0.010302	0.031025	0.029999	0.016455	0	0.035943	0.05108	0.275129	1.508993	3.12258	0.017556	0.998745	56.88845
DUOX2	1	0.018401	0.069266	0.08707	0.135925	0.016644	0.320988	0.045617	0.451775	3.85254	12.47988	0.065461	3.43016	52.39975
DUOXA1	0.774296	0	0	0.077757	0	0	0.046581	0.018914	0.322054	0.414129	1.287274	0.015551	0.41779	26.86521
DUOXA2	1	0.022332	0.075658	0.243857	0.428014	0.96961	0.233737	0	0.028857	0.577232	1.763323	0.347894	0.52063	1.496518
DUPD1	1	0	0	0	0	0	0.187034	0.075944	0.138548	0.646653	0.371314	0	0.283899	#DIV/0!
DUS1L	1	5.934127	4.936968	5.497618	7.202981	11.692	4.418763	4.007611	7.505053	5.384843	7.726316	7.052739	5.808517	0.823583
DUS2	1	2.766305	2.766438	2.389912	3.433514	6.210481	6.831508	4.390989	5.139499	3.618274	3.8044	3.51333	4.756934	1.353967
DUS3L	1	1.601951	2.198897	5.354207	4.81332	1.72926	3.612793	2.764627	7.914321	8.235751	8.827546	3.139527	6.271008	1.997437
DUS4L	1	1.206577	1.247984	0.788072	0.648382	1.499425	2.891647	2.515992	2.812326	2.215211	0.890396	1.078088	2.265114	2.101048
DUSP1	1	32.11493	11.08671	14.4288	13.58298	20.54721	149.9549	36.41841	23.54962	61.30508	40.44421	18.35213	62.33444	3.396579
DUSP10	1	2.608051	2.394074	4.152584	5.445477	4.744621	8.387522	4.226144	6.834498	6.101101	4.323341	3.868961	5.974521	1.544218
DUSP11	1	14.00271	18.15161	11.33395	10.95461	35.11732	59.52758	30.65757	28.50542	21.20206	25.46147	17.91204	33.07082	1.84629
DUSP12	1	16.19453	13.07611	9.153446	8.357122	20.1917	18.74107	17.13582	18.09896	22.07846	17.96919	13.39458	18.8047	1.403904
DUSP13	1	0.028586	0	0.04162	0.068486	0.258575	1.595722	0.121487	0.270888	0	0.095038	0.079453	0.416627	5.24367
DUSP14	1	11.01402	11.43472	5.630214	8.055472	33.6096	22.10298	21.77247	10.20661	7.712785	9.190961	13.94881	14.19716	1.017805
DUSP15	1	1.722836	1.708881	3.047282	3.688115	5.475152	3.359636	2.185428	5.806967	2.946237	9.419385	3.128453	4.743531	1.516254
DUSP16	1	2.55474	4.247685	11.22918	9.504683	3.859275	6.398642	4.656097	7.600452	12.50847	8.991086	6.279112	8.03095	1.278994
DUSP18	0.014121	2.18694	2.758661	7.303981	6.253765	2.992115	0.286921	0.207115	0.267644	0.598351	0.668351	4.299092	0.405677	0.094363
DUSP19	1	4.072773	4.078495	3.617438	2.781578	2.304313	3.099742	3.419449	4.240143	3.387188	1.812386	3.370919	3.191781	0.946858
DUSP2	1	0.157558	0.498206	0.89466	1.264541	0.769608	0.16491	0.06696	0.244319	0	0.288105	0.716914	0.152859	0.213218
DUSP21	1	0.042157	0	0.092069	0.100999	0.1144	0	0	0	0	0.035039	0.069925	0.007008	0.10022
DUSP22	1	1.888295	1.339146	1.862012	1.593093	1.156817	6.331436	5.779577	1.792248	0.977732	2.520164	1.567873	3.480231	2.219716
DUSP23	1	3.329943	3.489767	2.850807	3.829362	8.819498	3.62475	3.6795	1.583513	5.095522	4.605517	4.463875	3.717761	0.832855
DUSP26	1	15.94518	15.27524	20.65675	25.33004	47.94115	6.211062	2.906981	11.73063	14.00387	28.47911	25.02967	12.66633	0.506053
DUSP27	0.047935	0.043174	0.016252	0.015715	0	0.019527	0	0.183487	0.12088	0.316195	0.101675	0.018934	0.144447	7.62908
DUSP28	0.0094	7.751318	8.311392	12.9815	16.40556	13.77326	0.394092	0.117346	0.064873	0.882404	2.37009	11.8446	0.765761	0.064651
DUSP3	1	37.41512	42.44356	39.88781	51.71395	67.32014	41.30604	28.55053	8.157587	9.949724	16.56377	47.75611	20.90553	0.437756
DUSP4	1	2.422223	3.262978	2.796164	2.393792	1.197246	1.086539	0.790448	2.571112	6.484616	18.39267	2.414481	5.865078	2.429126
DUSP5	1	1.613799	1.646389	7.525689	0.70042	6.875745	4.651167	6.212395	17.2271	3.183951	5.935575	3.672408	7.442038	2.026474
DUSP6	1	17.61468	20.39167	8.802289	11.90502	36.89799	28.36929	52.77552	5.696729	6.625067	3.195506	19.12233	19.33242	1.010987

DUSP7	1	8.320262	11.90175	10.15213	15.25352	11.87823	11.8638	13.58039	5.516049	3.397383	5.742893	11.50118	8.020103	0.697329
DUSP8	1	7.897395	8.87323	14.45069	15.06753	11.00507	16.40136	7.512861	5.36885	7.483616	15.44318	11.45878	10.44197	0.911264
DUSP9	1	0.652492	0.650895	0.712508	0.937939	2.095266	1.764263	0.046217	0.477793	0	0.162699	1.00982	0.490194	0.485427
DUT	1	13.63572	10.01885	6.612615	7.35544	36.31338	38.00707	17.18717	22.10755	11.16484	8.764151	14.7872	19.44616	1.315067
DUXA	1	0.177387	0.150243	0	0	0	0	0	0	0	0.03686	0.065526	0.007372	0.112504
DVL1	1	5.953249	5.74701	13.77158	15.89061	8.316745	8.064076	4.518847	8.787706	24.27994	50.68184	9.935838	19.26648	1.93909
DVL2	1	2.82874	2.601148	3.629325	3.432442	4.227752	5.371546	4.245301	10.87923	13.61286	8.480408	3.343881	8.51787	2.5473
DVL3	1	6.971317	7.491948	13.71085	13.94691	10.73383	12.17428	9.178052	19.92638	11.30142	15.13453	10.57097	13.54293	1.281144
DXO	1	2.424969	2.645821	3.392774	3.154492	5.91223	8.328244	6.494848	7.344369	5.843703	9.710351	3.506057	7.544303	2.151791
DYDC1	1	0.772601	0.764786	0.16665	0.319924	0.465908	2.096512	0.972882	1.355813	0.838261	0.856214	0.497974	1.223936	2.457833
DYDC2	1	18.43425	14.24633	5.941458	8.681921	29.87218	7.915691	4.709551	0.570079	0.271505	0.122226	15.43523	2.717811	0.176078
DYM	1	12.23495	12.10555	8.421681	9.699493	10.02293	6.892928	13.05833	7.402729	11.03393	6.258527	10.49692	8.929289	0.850658
DYNAP	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
DYNC1H1	1	53.96834	47.09235	91.34934	94.97642	18.77735	57.30497	72.54334	64.56529	58.73651	79.97718	61.23276	66.62546	1.088069
DYNC1I1	1	48.54575	47.06331	31.8853	38.71386	40.04042	44.80278	88.76753	37.37901	32.21357	42.75593	41.24973	49.18376	1.192342
DYNC1I2	1	35.59871	36.25506	24.61284	32.24282	27.73565	32.40288	48.62044	56.63889	45.25116	31.99043	31.28902	42.98076	1.373669
DYNC1LI1	1	22.83254	27.31853	18.47952	13.90787	26.70759	17.06444	33.67719	21.96461	18.39972	8.90585	21.84921	20.00236	0.915473
DYNC1LI2	1	53.00361	50.45731	46.07328	48.85728	14.69499	89.22392	62.86136	56.69786	48.47099	47.95139	42.61729	61.0411	1.432308
DYNC2H1	1	1.941132	2.417131	3.244786	2.480402	0.668104	2.11513	4.112712	5.881068	4.531913	1.417052	2.150311	3.611575	1.679559
DYNC2LI1	1	10.15607	8.217702	4.173128	5.11093	6.783513	3.904063	13.18229	7.272261	5.345044	4.742843	6.888269	6.889301	1.00015
DYNLL1	1	3.824678	7.800402	24.74716	41.54174	85.89716	2.389945	4.42753	2.803113	7.52524	12.4311	32.76223	5.915386	0.180555
DYNLL2	1	185.192	159.1124	163.9362	147.613	350.9128	299.9851	236.4638	214.4604	212.1146	267.6824	201.3533	246.1413	1.222435
DYNLRB1	1	67.4582	75.3748	45.58237	56.09105	175.4031	190.6136	77.21648	46.56145	64.58046	81.7373	83.9819	92.14185	1.097163
DYNLRB2	1	6.11392	6.255998	3.836095	5.94808	33.274	21.38969	11.12555	6.023615	6.461049	8.928047	11.08562	10.78559	0.972935
DYNLT1	1	16.00993	12.48802	12.49553	19.76215	67.74464	27.52559	10.95846	19.09696	12.33525	11.94211	25.70005	16.37168	0.637029
DYNLT3	1	27.44706	22.89219	13.58133	17.66094	28.19348	27.96983	26.62331	8.907261	9.898396	5.784573	21.955	15.83667	0.721324
DYRK1A	1	25.77272	24.32371	20.59113	20.7463	21.54974	24.70858	23.99261	23.75131	24.93037	29.38397	22.59672	25.35337	1.121993
DYRK1B	1	2.995313	2.748382	6.789879	7.680706	3.97343	15.43053	7.046842	6.652608	5.979577	9.202646	4.837542	8.86244	1.832013
DYRK2	1	6.751237	7.517459	3.922526	4.46005	4.509823	7.260977	16.63985	4.728506	6.163716	4.587462	5.432219	7.876102	1.449887
DYRK3	1	1.86033	3.141773	1.089593	1.266181	2.01933	1.106332	3.593735	1.682771	2.22945	0.787179	1.875441	1.879893	1.002374
DYRK4	1	0.038049	0.1375	0.049858	0.036463	0.268455	0	0	0	0.314718	0.290949	0.106065	0.121133	1.142068
DYSF	1	3.128361	3.632692	11.31879	22.54242	7.28281	6.545892	2.270887	0.962179	8.737024	10.99738	9.581014	5.902672	0.61608
DYTN	1	0	0.048258	0	0	0	0.167724	0.113505	0	0	0.035518	0.009652	0.063349	6.563633
DZANK1	1.41E-08	207.7993	241.8877	160.0979	180.1174	385.7544	9.090601	18.17563	25.26175	20.47907	21.67109	235.1313	18.93563	0.080532
DZIP1	0.729113	95.84283	71.80088	42.40261	63.81215	48.24561	36.33116	14.23617	13.909	14.26956	6.992239	64.42082	17.14763	0.266181
DZIP1L	0.107792	0.393523	0.270348	0.501339	0.53818	1.067892	2.248216	0.982554	9.704233	5.408036	5.674893	0.554256	4.803587	8.666723
DZIP3	1	13.88308	18.56324	9.403068	8.627096	10.35022	9.384138	16.13349	29.8075	29.81184	23.42453	12.16534	21.7123	1.784767
E2F1	1	1.804054	1.191645	2.11867	2.242614	1.870492	2.716573	1.808266	2.397216	1.451736	3.776966	1.845495	2.430151	1.316802
E2F2	1	0.102901	0.255654	0.128418	0.214832	0.215413	0.907781	0.274886	0.258343	0.045597	0.136844	0.183444	0.32469	1.769972
E2F3	1	3.07968	3.290244	2.096804	2.583276	2.525209	4.270806	7.15621	2.777151	3.684318	2.142314	2.715043	4.00616	1.475542
E2F4	1	12.38625	9.153299	11.87274	13.52854	21.09573	12.46743	9.782036	10.36961	6.806048	9.721849	13.60731	9.829396	0.722361
E2F5	1	3.23882	3.307549	4.692293	5.966895	8.673065	5.929635	3.520664	3.757077	6.023249	2.07897	5.175724	4.261919	0.823444
E2F6	1	5.898271	7.000197	5.63964	4.954848	8.481125	2.720943	4.100097	4.479063	6.480654	4.187007	6.394816	4.393553	0.687049
E2F7	1	0.340132	0.451431	0.658595	0.357037	0.399652	0	0.089414	0.516556	0	0.005829	0.441369	0.12236	0.277228
E2F8	1	0.009681	0	0	0	0	0.101326	0	0	0	0.008046	0.001936	0.021875	11.29782
E4F1	1	2.253452	2.08019	3.898453	4.200747	4.861184	5.896528	5.272701	13.34921	8.998938	7.418323	3.458805	8.187139	2.367043

EAF1	1	22.79015	33.21642	26.13911	32.06036	9.275141	6.870152	6.8357	9.291932	10.0881	8.532443	24.69623	8.323666	0.337042
EAF2	0.318514	2.380457	2.408964	1.654172	1.981261	5.159433	0.889837	0.525543	0.359542	0.479459	0.334042	2.716858	0.517684	0.190545
EAPP	1	6.418124	6.93585	6.031166	5.540772	3.201104	8.808831	2.337975	2.67377	3.409906	5.132069	5.625403	4.47251	0.795056
EARS2	1	1.7446	1.869972	1.958675	1.818437	0.748056	1.264771	0.986978	0.89786	1.386029	1.418667	1.627948	1.190861	0.731511
EBAG9	1	11.76727	12.54814	11.67246	9.716244	7.348707	18.62414	11.89525	10.62401	16.04744	15.4805	10.61056	14.53427	1.369792
EBD	1	0.048218	0	0	0	0	0	0	0	0	0	0.009644	0	0
EBF1	1	1.552607	1.319592	1.245071	0.765254	1.437337	3.999171	1.151287	14.00238	3.135318	2.25161	1.263972	4.907954	3.88296
EBF2	1	0	0.016007	0.325038	0.050938	0	0.111268	0	0.402958	0.366379	0.023562	0.078397	0.180833	2.306649
EBF3	1	0.018687	0.080195	1.281517	0.362646	0.010142	0.039119	0.015884	0.43467	3.284649	0.577805	0.350638	0.870425	2.482408
EBF4	1	3.309332	2.763414	4.671551	4.749025	10.10489	5.479897	2.094181	5.325589	2.80792	6.320346	5.119643	4.405587	0.860526
EBI3	1	0.630644	0.833783	2.149934	1.308208	6.803699	1.448941	1.699622	2.74294	1.113239	3.630838	2.345254	2.127116	0.906988
EBNA1BP2	1	23.27663	17.11997	13.30362	14.2815	29.52147	85.35829	48.09226	40.25015	46.87941	57.31335	19.50064	55.57869	2.850096
EBP	1	7.176028	6.261273	10.18145	7.219943	23.9012	12.37295	11.35692	11.57514	8.349082	8.607666	10.94798	10.45235	0.954729
EBPL	1	23.01442	25.12463	7.57173	7.721777	47.60843	11.39686	3.22081	2.29633	5.854242	4.923391	22.2082	5.538326	0.249382
ECD	1	15.86646	12.75853	8.180877	7.762716	14.11951	12.74001	11.09276	14.02311	10.05911	12.36834	11.73762	12.05667	1.027182
ECE1	1	4.996184	5.327856	7.800675	9.71355	3.315922	9.270527	7.958639	10.18413	15.5681	19.03254	6.230838	12.40279	1.990549
ECE2	1	4.072245	6.600766	14.29582	9.800131	14.80475	18.19499	9.899236	49.50888	21.69141	36.96915	9.914743	27.25273	2.748708
ECEL1	1	0.180229	0.155643	3.044706	3.384467	0.172617	0.138705	0.022528	0	1.233154	0.537518	1.387532	0.386381	0.278466
ECH1	1	15.5739	14.0113	25.9145	29.65252	18.71079	22.65729	8.00724	8.132854	18.96215	35.21839	20.7726	18.59559	0.895198
ECHDC1	1	34.12467	32.07401	28.03822	35.0802	32.31085	17.95942	17.95197	21.07285	28.89462	7.449035	32.32559	18.66558	0.577424
ECHDC2	1	5.772528	3.265981	4.051343	5.548463	9.880357	6.451936	2.154565	3.037355	1.310422	1.34074	5.703735	2.859004	0.501251
ECHDC3	9.48E-06	3.096363	2.193347	4.313982	3.981661	4.552062	0.086596	0.092299	0.245898	0.556024	0.735804	3.627483	0.343324	0.094645
ECHS1	1	15.10991	13.64482	11.73885	14.72327	19.01354	18.405	16.42948	10.30732	12.83917	16.61957	14.84608	14.92011	1.004987
ECI1	1	6.345804	6.144767	12.88591	12.29195	27.58932	8.055112	10.09904	15.66759	14.79738	39.21028	13.05155	17.56588	1.345885
ECI2	1	8.260859	8.58772	5.231818	6.362207	11.63661	5.041477	10.70625	6.76405	7.932939	9.169041	8.015844	7.922752	0.988387
ECM1	0.107756	0.591524	0.412595	1.025893	1.187918	1.581595	29.90932	19.59376	12.18511	3.327784	1.96662	0.959905	13.39652	13.95609
ECM2	1	17.2397	3.197594	3.05277	1.670139	3.413886	3.376254	3.130222	11.08781	1.27848	0.33365	5.714818	3.841283	0.672162
ECPAS	1	25.48275	25.56394	17.4379	19.09323	18.24107	16.69748	20.06281	15.83407	19.25023	13.02642	21.16378	16.9742	0.80204
ECSCR	1	1.086048	0.657043	1.033465	1.022191	1.094666	4.749905	0.593434	0.601464	2.165584	1.650628	0.978683	1.952203	1.994725
ECSIT	1	9.239469	7.774491	6.277798	7.783701	16.97745	14.66397	12.62697	11.70533	6.118878	11.74518	9.610583	11.37207	1.183286
ECT2	0.000151	0.408379	0.584167	0.416212	0.347871	0.283208	2.897065	6.286613	22.08197	8.491594	3.514994	0.407967	8.654448	21.21357
ECT2L	1	0.037941	0.092836	0.145009	0.231035	0.0858	0.463303	0.087342	0.212456	0.751878	0.572894	0.118524	0.417575	3.523123
EDA	1	1.227022	0.226748	0.722726	0.610207	0.413694	0.116753	0.197527	0.096096	0.326774	0.358496	0.64008	0.219129	0.342347
EDA2R	1	0	0.016557	0	0	0	0.153453	0	0	0.151585	0.487433	0.003311	0.158494	47.86357
EDAR	1	0.480329	0.717225	0.116558	0.153436	0.941385	0	0	0.027586	0	0.026616	0.481787	0.01084	0.0225
EDARADD	1	0.042443	0.107844	0.092693	0.050842	0.230351	0.555291	0.360754	0.191959	0.438826	0.070554	0.104835	0.323477	3.085594
EDC3	1	5.400253	5.191575	4.687336	5.385246	8.078769	5.12085	5.521859	8.815352	5.726637	5.984682	5.748636	6.233876	1.08441
EDC4	1	6.720082	6.031303	11.11848	11.90692	10.36402	8.083301	8.425838	12.57145	6.475339	13.01689	9.228162	9.714563	1.052708
EDDM13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
EDEM1	1	2.583722	1.894834	2.214385	2.31202	0.600576	5.791066	4.396598	2.673653	3.272709	3.07153	1.921108	3.841111	1.999425
EDEM2	1	5.938639	5.773304	4.461506	5.011058	6.532563	13.9143	13.26282	13.87561	6.235647	6.587021	5.543414	10.77508	1.943762
EDEM3	1	12.41993	14.60058	13.25089	13.47773	6.601112	8.296628	22.76153	14.21386	20.93	10.69022	12.07005	15.37845	1.2741
EDF1	1	67.69852	58.78962	63.22841	91.50977	124.1675	97.74228	50.33853	30.74618	60.42611	113.3327	81.07877	70.51717	0.869736
EDIL3	1	29.84912	41.18228	26.76777	45.59929	14.51077	13.68893	25.90157	4.61624	12.71099	1.571564	31.58184	11.69786	0.370398
EDN1	1	1.5047	1.437034	2.170518	2.525684	4.133671	4.37477	2.052659	0.744155	0.384136	1.652102	2.354321	1.841564	0.782206
EDN2	1	0.023818	0	0.286103	0.328118	0.064636	0	0	0	0	0.039594	0.140535	0.007919	0.056348

EDN3	1	0.756807	0.288384	0.375184	0.127922	0.302389	0.170088	0.187456	0.012	0.19202	0.069464	0.370137	0.126206	0.34097
EDNRA	1	1.06163	0.397427	0.486769	0.632347	0.159167	2.363542	0.635643	0.757934	1.061262	0.175503	0.547468	0.998777	1.824357
EDNRB	1	2.049274	2.555209	12.71139	3.994272	1.050272	17.1904	4.12264	17.1839	24.29183	20.21676	4.472083	16.60111	3.712164
EDRF1	1	4.517178	5.027744	5.839215	3.841393	4.693431	2.640851	6.182995	16.78588	12.20204	12.39333	4.783792	10.04102	2.098966
EEA1	1	13.82553	14.1062	12.60054	10.55286	6.039843	3.650642	7.332243	9.195109	11.9403	4.743127	11.42499	7.372285	0.645277
EED	1	7.500671	9.224328	8.873894	7.036091	12.95071	12.13845	10.72616	14.01589	13.88854	8.141356	9.11714	11.78208	1.2923
EEF1A1	1.59E-06	90.40965	76.712	94.17239	89.81344	194.0401	16.62467	9.585605	20.2192	16.98379	13.96586	109.0295	15.47583	0.141942
EEF1A2	1	422.3708	478.071	471.2788	450.3918	416.9923	364.9045	371.8393	396.2316	363.6749	891.991	447.8209	477.7283	1.066784
EEF1AKMT1	0.001107	9.205946	7.896125	8.372708	7.566592	18.60066	2.291061	2.657904	2.279012	1.810543	3.046116	10.32841	2.416927	0.234008
EEF1AKMT2	1	2.470601	3.049606	3.042922	2.77885	5.788392	3.645809	3.708508	4.064951	7.277136	2.757874	3.426074	4.290856	1.252412
EEF1AKMT3	1	0.418111	0.269815	0.540429	0.500853	0.439953	0.491209	0.888466	0.352844	0.838127	0.28369	0.433832	0.570867	1.31587
EEF1B2	1	84.15939	73.729	71.79173	80.86495	187.0998	169.2778	139.1691	142.5992	131.0306	137.5053	99.52897	143.9164	1.445975
EEF1D	1	8.629053	6.85555	9.988235	12.36349	18.658	12.87948	5.098865	7.659031	25.07439	51.90564	11.29887	20.52348	1.816419
EEF1E1	1	10.19279	9.418924	7.679816	7.107596	18.76248	26.64518	18.64919	11.03372	11.67542	12.53085	10.63232	16.10687	1.514897
EEF1G	1	98.56323	76.96052	91.89014	101.3577	221.0285	355.3275	139.4123	291.2971	228.9389	336.3365	117.96	270.2625	2.291136
EEF2	1	203.1203	213.7394	291.0472	291.2659	228.5185	644.9917	345.7978	549.199	630.523	1042.494	245.5383	642.6011	2.617112
EEF2K	1	10.23492	12.4013	41.1065	61.17668	29.01871	10.5437	20.67334	42.45655	33.27364	14.43758	30.78762	24.27696	0.78853
EEF2KMT	1	0.843906	0.809174	0.869366	0.867856	2.117246	0.458309	1.285731	1.934117	0.658519	1.773418	1.10151	1.222019	1.109404
EEFSEC	1	3.972698	3.880409	4.934341	6.969151	2.605736	2.266255	2.32049	2.603297	2.238675	3.38022	4.472467	2.561788	0.572791
EEPD1	1	4.439667	3.183111	2.536299	3.456138	4.185542	3.545278	4.061534	1.25058	1.031878	4.042021	3.560151	2.786258	0.782623
EFCAB1	1	1.408566	1.26667	0.313322	1.343601	1.59266	7.166724	5.127124	3.674066	0.943934	0.390251	1.184964	3.46042	2.920275
EFCAB10	1	0.541482	0.579315	0.248963	0.204833	1.933427	9.39613	6.873454	4.124635	3.609581	2.037123	0.701604	5.208185	7.423253
EFCAB11	1	0.606374	0.802848	0.666716	0.415785	2.088084	0.656556	0.613155	0.259389	0.799898	2.794584	0.915961	1.024717	1.118733
EFCAB13	1	0.139969	0.101615	0.021835	0	0	0	0.010622	0.038758	0.051685	0.058169	0.052684	0.031847	0.604491
EFCAB14	1	13.6872	15.03396	23.97845	23.47377	14.7946	19.96686	26.45199	29.06342	24.15792	16.27378	18.1936	23.18279	1.274228
EFCAB2	1	5.153343	6.45122	7.966598	6.080406	8.778237	7.563964	7.842746	11.33964	5.42603	5.062717	6.885961	7.44702	1.081479
EFCAB3	1	0.086448	0.14644	0	0.051778	0.058648	2.318611	0.964415	1.312596	0.055863	3.017822	0.068663	1.533862	22.33905
EFCAB5	1	0.825652	1.083066	0.661433	0.483724	0.489203	0.924561	0.421379	0.44727	0.89467	0.413551	0.708616	0.620286	0.875349
EFCAB6	1	2.965402	3.999341	0.92408	1.82723	4.004266	0.390764	0.612	0.220544	1.727848	0.514227	2.744064	0.693077	0.252573
EFCAB7	1	6.930338	9.669112	4.188002	3.899029	7.760029	4.533591	4.092713	8.390378	9.348154	8.62642	6.489302	6.998251	1.078429
EFCAB8	1	0.61915	0.500785	0.749191	0.624745	1.067135	0.029191	0.047411	0.086495	0.07209	0.199356	0.712201	0.086909	0.122028
EFCAB9	0.023821	0	0.038668	0.03739	0	0	0.447979	0.254657	0.486709	3.274698	2.106004	0.015212	1.314009	86.38226
EFCC1	1	0.693021	0.92493	3.426085	1.471658	1.111283	0.461594	0.562279	0.06513	0.260558	0.10473	1.525395	0.290858	0.190677
EFEMP1	1	53.02039	2.565031	13.36375	5.126912	3.656794	3.725662	3.529807	4.271179	21.11803	5.607218	15.54658	7.650379	0.492094
EFEMP2	1	3.296013	1.75284	4.386814	4.899796	5.748134	18.25253	10.74831	11.86907	5.569598	18.44065	4.016719	12.97603	3.230504
EFHB	1.89E-05	0.434711	0.836101	0.667541	1.082158	0.847883	0	0.101034	0.035109	0	0.067747	0.773679	0.040778	0.052707
EFHC1	1	4.560727	4.706138	1.806208	3.376068	3.006921	21.51462	9.333009	9.068472	20.04901	10.26432	3.491212	14.04589	4.023212
EFHC2	1	0.192978	0.233498	0.210728	0.55315	0.13092	0.180342	0.234325	0.124685	0.71259	0.103112	0.264255	0.271011	1.025567
EFHD1	0.122792	6.749535	14.81611	38.61807	66.55959	43.78504	5.434235	7.022695	2.244985	4.077692	9.261462	34.10567	5.608214	0.164436
EFHD2	1	8.862277	12.39405	16.87826	16.50561	20.63477	23.29122	8.499933	3.854143	5.219912	10.09682	15.05499	10.19241	0.677012
EFL1	1	6.388055	5.656824	4.849266	4.8077	4.949464	6.547822	6.085028	9.120111	7.037514	6.312859	5.330262	7.020667	1.317134
EFNA1	1	3.038977	3.253474	2.203487	3.829672	13.35979	11.26001	5.476107	12.00101	3.330608	7.052305	5.13708	7.824007	1.523046
EFNA2	0.078746	1.196775	1.585647	2.449066	2.26894	3.145365	0.493159	0.70085	0.51144	0.194863	0.955557	2.129158	0.571174	0.268263
EFNA3	1	4.893308	6.154825	6.477553	8.362811	17.89882	5.995813	12.5823	12.28673	3.265867	9.949846	8.757463	8.816112	1.006697
EFNA4	1	0.58735	0.388272	2.5655	1.681735	4.703876	0.449824	0.060882	1.18476	1.333048	1.000186	1.985347	0.80574	0.405843
EFNA5	1	7.675244	6.0214	2.788714	2.819422	6.546238	6.032284	8.924762	1.837349	4.103415	2.220172	5.170204	4.623596	0.894277

EFNB1	1	2.9469	0.675726	1.192441	1.182664	0.588606	1.526553	2.177401	1.00517	1.430642	0.7087	1.317268	1.369693	1.039799
EFNB2	1	11.73598	9.308344	5.077311	7.724208	10.26725	14.53044	18.65094	1.531543	3.19207	1.295096	8.822618	7.840017	0.888627
EFNB3	1	3.630853	3.00251	5.243795	6.068082	5.387334	12.22835	5.500319	16.72423	10.23278	7.126007	4.666515	10.36234	2.220573
EFR3A	1	50.24794	62.35527	60.95344	34.13657	23.04737	12.49547	27.84282	47.32328	89.66223	59.09263	46.14812	47.28329	1.024598
EFR3B	1	23.83858	22.70604	32.35817	30.36077	21.22523	20.54057	32.48276	27.70156	32.74896	37.11387	26.09776	30.11755	1.154028
EFS	1	1.565624	0.805702	7.026077	6.718388	4.535413	1.97057	0.884358	0.495113	0.922068	0.208646	4.130241	0.896151	0.216973
EFTUD2	1	19.75967	17.53299	23.63214	25.84006	18.98903	23.23444	37.47232	57.42676	31.05885	59.48267	21.15078	41.73501	1.973214
EGF	1	0.050989	0.023992	0.185596	0.157788	0.034592	0.177894	0.027087	0.164722	0.131797	0.120077	0.090591	0.124316	1.372266
EGFL7	1	6.701159	4.901276	11.5754	14.23551	11.77755	13.84317	3.122725	0.936834	2.228469	13.27302	9.838177	6.680843	0.679073
EGFL8	1	2.646828	1.774393	2.740589	3.322203	5.494276	20.97073	2.576906	5.941218	3.161842	7.555227	3.195658	8.041185	2.516285
EGFLAM	1	0.4554	0.573627	0.545104	0.529785	0.392131	1.054134	2.419256	0.407408	0.633838	0.240211	0.499209	0.950969	1.90495
EGFR	1	1.31622	1.177953	2.778487	1.88632	0.970054	1.151233	1.269902	1.283927	3.648588	1.959445	1.625807	1.862619	1.145658
EGLN1	1	30.51553	29.69413	27.40059	28.68404	22.32032	30.32597	33.06753	28.88616	35.27788	36.17973	27.72292	32.74745	1.181241
EGLN2	1	6.349445	6.656422	12.519	11.17636	16.33006	25.62474	13.89117	8.042054	7.697565	13.87655	10.60626	13.82642	1.303609
EGLN3	1	6.661199	2.820949	10.3451	10.7722	4.87056	7.940387	12.14946	3.347456	2.869666	0.907382	7.094002	5.442871	0.76725
EGR1	1	39.37617	51.35364	16.63148	22.79008	60.00772	40.90325	113.0337	4.914682	20.56349	19.7065	38.03182	39.82433	1.047132
EGR2	1	1.952773	3.489756	0.568637	0.99314	5.206216	1.613605	9.594911	0.602078	0.283372	0.13668	2.442104	2.446129	1.001648
EGR3	1	13.3718	13.82672	5.627756	8.281527	26.95041	12.85378	54.57933	0.191993	0.9361	0.416782	13.61164	13.7956	1.013515
EGR4	1	2.16445	3.494294	2.972696	2.67297	12.5344	3.269729	6.448569	2.095309	0.730581	3.845326	4.767761	3.277903	0.687514
EHBP1	1	30.23347	28.37666	16.22803	15.28278	11.53421	38.26217	44.24693	30.71732	25.40913	21.71241	20.33103	32.06959	1.577372
EHBP1L1	1	7.854629	5.163546	6.643722	8.939668	4.012213	5.938586	2.05001	0.945734	2.350347	0.639026	6.522756	2.38474	0.365603
EHD1	1	11.67707	9.055294	20.57494	18.58966	7.170419	6.594982	7.040123	13.23767	17.81041	34.53131	13.41348	15.8429	1.181118
EHD2	1	3.160036	4.329866	7.69823	9.304202	5.118329	4.336645	2.680711	1.358492	2.525564	13.44612	5.922132	4.869507	0.822256
EHD3	1	27.60596	24.41723	23.1645	27.04325	32.12076	21.33149	25.49217	26.05806	11.46265	15.44959	26.87034	19.95879	0.742781
EHD4	1	1.650597	0.772654	1.830436	1.280595	0.092833	2.416881	1.744631	3.536475	3.227503	2.559024	1.125423	2.696903	2.396346
EHF	1	0.02535	0.007157	0.041522	0.018979	0	0.033166	0.0404	0	0.409526	0.516209	0.018601	0.19986	10.74433
EHHADH	1	1.690058	1.758703	5.352946	6.672404	2.233101	1.273441	3.619492	3.052927	3.545113	2.14753	3.541442	2.727701	0.770223
EHMT1	1	3.338084	3.387736	6.503092	7.7084	3.03955	3.061478	2.863226	4.249056	4.500498	5.521356	4.795372	4.039123	0.842296
EHMT2	1	20.13446	16.37716	24.64114	28.11921	23.96014	15.68203	14.47603	21.73744	21.47589	31.98986	22.64642	21.07225	0.930489
EI24	1	19.15447	16.89365	17.74614	18.03156	20.40295	47.28994	25.71803	24.23889	22.41166	13.99923	18.44576	26.73155	1.449198
EID1	1	77.30411	77.99298	0	0.025609	82.3216	82.67925	53.44594	56.3009	14.31212	6.23691	47.52886	42.59503	0.896193
EID2	1	4.286667	4.514442	4.365232	4.050755	6.242717	5.789299	7.613053	5.425613	6.433698	7.857265	4.691962	6.623785	1.41173
EID3	1	0.05052	0.028526	0	0	0	0	0	0	0.130586	0	0.015809	0.026117	1.652008
EIF1	1	96.665	87.67309	98.1643	115.513	288.736	151.1568	110.8013	142.085	104.3778	155.8075	137.3503	132.8457	0.967204
EIF1AD	1	2.084126	1.850706	2.321211	2.382758	5.349486	2.889866	3.621156	2.286494	1.688261	2.665009	2.797657	2.630157	0.940128
EIF1AX	1	66.3807	57.89911	39.13088	40.11408	50.08643	50.83785	56.02088	34.03247	69.19083	53.82774	50.72224	52.78195	1.040608
EIF1B	1	45.57214	55.71692	45.11183	57.5016	150.5751	103.9388	110.2901	86.22106	74.36873	76.57899	70.89552	90.27952	1.273416
EIF2A	1	22.91728	24.25364	18.03503	19.25943	15.49711	25.88328	24.38059	38.03976	29.86805	25.18346	19.9925	28.67103	1.434089
EIF2AK1	1	21.2202	23.14263	21.46016	22.6252	22.64928	10.99365	20.32065	26.62709	9.692827	15.44847	22.21949	16.61654	0.747836
EIF2AK2	0.015003	8.08648	9.391218	5.424013	4.846519	3.902115	0.742442	1.012319	1.421334	1.720336	0.652178	6.330069	1.109722	0.17531
EIF2AK3	1	5.967115	6.533667	8.66153	8.05657	3.229799	7.854475	9.216231	15.16099	14.20377	7.176261	6.489736	10.72235	1.6522
EIF2AK4	1	6.192286	5.671189	7.567024	6.067079	3.263634	3.652729	4.632024	8.482838	5.070089	8.371768	5.752242	6.04189	1.050354
EIF2B1	1	6.39557	6.670891	5.76105	4.870407	7.974137	6.646826	10.31646	8.293628	9.168997	9.094928	6.334411	8.704169	1.374109
EIF2B2	1	9.872729	9.573046	12.76351	14.45006	21.06354	9.977119	15.50521	10.52881	8.037087	11.62029	13.54457	11.1337	0.822005
EIF2B3	1	10.24746	9.540063	8.556288	8.667551	10.19967	24.41145	17.56075	26.26248	29.87396	28.14693	9.442206	25.25111	2.674281
EIF2B4	1	12.23481	12.02527	12.07403	13.63863	16.1549	18.70127	14.25058	21.34932	13.5446	21.15081	13.22553	17.79932	1.34583

EIF2B5	1	13.68603	13.55981	13.24714	14.07733	23.31363	15.81446	19.72931	21.75066	25.81026	38.6338	15.57679	24.3477	1.563076
EIF2D	1	3.560112	2.825972	4.676355	4.254335	7.467419	9.495628	5.116465	5.68945	7.379578	5.546426	4.556839	6.645509	1.45836
EIF2S1	1	18.84335	20.79112	10.75848	10.96279	18.29611	9.387307	16.8774	11.73956	11.34912	8.671011	15.93037	11.60488	0.728475
EIF2S2	1	45.32541	49.08025	24.92776	31.36975	37.97261	76.89881	63.65675	79.23335	60.71566	56.50396	37.73516	67.40171	1.786178
EIF2S3	1	20.86064	17.91171	14.6816	13.2997	24.19989	34.02648	37.54249	51.98573	37.63066	62.92908	18.19071	44.82289	2.464054
EIF3A	1	58.0285	46.62908	31.55392	38.69979	10.81142	24.23697	34.26722	40.28483	39.52936	44.36912	37.14454	36.5375	0.983657
EIF3B	1	23.26926	18.02679	22.4056	28.9581	21.59563	20.21476	23.08579	27.98426	19.62123	25.19441	22.85108	23.22009	1.016149
EIF3CL	1	75.91423	66.63553	49.00177	58.31619	43.4122	45.2204	50.44672	39.03975	51.60276	54.21717	58.65598	48.10536	0.820127
EIF3D	1	33.16453	31.58215	26.86321	27.29697	52.54166	35.17346	36.7796	36.81131	28.06559	72.1975	34.2897	41.80549	1.219185
EIF3E	1	49.63877	46.51598	39.78292	44.57393	88.30323	62.67736	51.00595	87.05065	55.29478	47.37273	53.76296	60.68029	1.128663
EIF3F	1	37.30224	34.02752	40.15163	50.23078	54.59756	119.2305	38.07989	43.77256	56.41832	63.3711	43.26195	64.17447	1.483393
EIF3G	1	29.32836	27.83728	35.08393	41.13829	49.14495	148.7461	76.53866	92.78581	53.91982	110.9428	36.50656	96.58664	2.645734
EIF3H	1	57.59573	61.86354	45.98331	46.06984	101.9722	150.6682	73.43939	106.9118	118.1239	219.7236	62.69693	133.7734	2.133651
EIF3I	1	33.96789	30.03932	24.78444	25.41384	90.77946	112.9149	60.13636	57.46008	54.33864	84.36704	40.99699	73.8434	1.801191
EIF3J	1	29.41129	34.75258	23.65291	25.57461	33.56829	37.7727	39.92416	33.82554	35.85876	31.39237	29.39194	35.7547	1.21648
EIF3K	1	52.14743	52.05933	52.94884	57.61698	203.5296	273.0322	149.7862	153.3678	102.8906	193.8889	83.66044	174.5931	2.086926
EIF3L	0.006044	26.18441	24.92895	26.35424	26.37317	29.58245	105.8626	65.59186	166.8576	140.889	204.0208	26.68465	136.6444	5.120712
EIF3M	1	33.54753	41.75491	20.6336	20.02449	51.62651	75.85317	36.34408	53.13256	66.40684	53.05032	33.51741	56.9574	1.699338
EIF4A1	1	86.68346	67.98368	41.53146	47.66441	92.88854	121.2182	137.3005	107.5425	101.6319	138.1128	67.35031	121.1612	1.79897
EIF4A2	1	220.2024	220.7719	113.0357	124.7478	334.2983	299.3673	357.9377	417.1354	403.4227	301.6445	202.6112	355.9015	1.756573
EIF4A3	1	26.97868	24.37091	21.76956	25.7458	34.57862	48.81475	36.20036	44.70958	25.83019	45.53625	26.68872	40.21823	1.506937
EIF4B	1	51.7897	48.52178	46.23496	50.70248	47.05947	75.37022	66.00432	126.7607	102.9746	126.7725	48.86168	99.57647	2.037926
EIF4E	1	35.62405	33.80808	23.88885	21.1927	24.76694	73.62487	92.80292	58.10943	70.47646	47.05885	27.85612	68.41451	2.455995
EIF4E1B	1	0.026341	0	0	0.031553	0.14296	0	0	0	0	0	0.040171	0	0
EIF4E2	1	7.946977	9.543315	7.959112	8.930596	13.34391	5.873117	4.820021	4.991145	4.264104	5.181375	9.544782	5.025952	0.526565
EIF4E3	1	45.67979	43.89151	17.40943	22.98899	29.99586	39.59578	43.15715	15.79225	21.89268	11.65171	31.99312	26.41791	0.825737
EIF4EBP1	1	2.477872	2.301385	4.349491	6.047417	4.524648	2.423835	0.984178	0.359098	0.718301	1.039386	3.940163	1.10496	0.280435
EIF4EBP2	1	11.96012	10.60468	24.18046	15.67605	2.496603	20.50403	21.77436	42.01991	43.70706	18.45782	12.98358	29.29264	2.256129
EIF4EBP3	1	2.226876	2.272431	4.804814	4.274525	8.445651	2.948595	0.741156	1.456144	1.803107	1.694805	4.404859	1.728761	0.392467
EIF4ENIF1	1	12.08364	10.71772	12.96086	13.76687	12.4179	14.09438	15.12266	18.13404	17.1017	20.5387	12.3894	16.9983	1.372003
EIF4G1	1	41.47795	35.0503	40.58356	48.87277	20.48822	37.52374	54.09459	40.13712	36.0244	45.09506	37.29456	42.57498	1.141587
EIF4G2	1	218.0563	210.0532	166.0398	166.0597	180.4742	327.7649	351.1701	273.7847	231.4619	135.8957	188.1367	264.0155	1.403318
EIF4G3	1	69.82979	71.313	45.69613	54.03644	36.79351	33.62433	77.2429	43.24426	44.15883	28.4799	55.53377	45.35004	0.816621
EIF4H	1	104.3485	113.4575	106.4981	103.8074	55.63025	130.8874	149.9708	149.484	130.8235	153.7958	96.74835	142.9923	1.477982
EIF5	1	99.80794	107.8619	56.52806	63.91809	74.89802	85.3624	115.4178	80.71441	86.72832	59.79974	80.60281	85.60453	1.062054
EIF5A	1	50.17163	45.38547	39.80173	43.26727	149.3169	123.249	81.32737	68.29417	53.04553	86.82713	65.58861	82.54864	1.258582
EIF5A2	1	4.360803	5.226808	10.5171	8.652885	2.250597	9.660639	10.85828	4.425127	13.13901	4.447306	6.201639	8.506071	1.371584
EIF5B	1	21.04818	18.56083	9.94427	15.04067	20.87861	17.46373	9.84125	12.24334	11.41481	10.22352	17.09451	12.23733	0.715863
EIF6	1	14.81526	14.24943	19.12113	17.99389	32.98292	51.29945	48.22572	39.84207	33.54676	56.50437	19.83253	45.88367	2.313556
EIPR1	1	3.952298	4.165421	4.272347	5.455927	5.200524	2.370546	4.590579	1.968283	2.470362	6.958944	4.609303	3.671743	0.796594
ELAC1	1	5.231875	4.857597	5.008994	4.409549	6.954825	3.502605	7.544617	8.901819	6.287033	6.485529	5.292568	6.544321	1.236511
ELAC2	1	5.438253	5.846709	7.305301	8.486011	8.079838	6.606325	9.269711	7.887788	4.708579	5.923494	7.031223	6.879179	0.978376
ELANE	1	0.121037	0.136688	0.176226	0.265814	1.094847	0	0	0	0	0.16767	0.358922	0.033534	0.093429
ELAVL1	1	14.73613	13.0889	15.79023	16.74562	10.67658	12.13108	17.57512	20.2344	19.56481	19.09642	14.20749	17.72037	1.247255
ELAVL2	1	21.43021	24.55963	14.14478	12.01479	19.29786	17.13597	36.20979	36.88201	31.64261	27.2876	18.28945	29.8316	1.631082
ELAVL3	1	31.37362	37.8486	59.56244	55.55156	32.87193	52.77413	40.67226	62.01371	66.25882	142.0164	43.44163	72.74706	1.674593

ELAVL4	1	24.46089	30.55123	11.00809	13.92268	25.28717	20.32673	38.69335	21.75129	23.73612	11.60368	21.04601	23.22223	1.103403
ELF1	1	2.558085	2.000784	3.586436	3.901044	1.769971	7.020464	5.111424	3.921306	4.639293	1.42259	2.763264	4.423016	1.600649
ELF2	1	7.752754	8.957308	9.633999	8.26182	6.840391	11.72598	7.73701	14.92939	13.69481	10.76666	8.289254	11.77077	1.420004
ELF3	1	0.331915	0.177005	1.288694	1.634575	1.70134	0	0.039184	0.166798	0.095327	0.35251	1.026706	0.130764	0.127362
ELF4	1	0.93263	0.544231	1.423508	1.233479	0.235209	0.961636	0.478872	0.340493	0.268849	0.005763	0.873812	0.411123	0.470493
ELF5	1	0.038884	0.043912	0	0.009316	0	0	0.016525	0.040197	0	0.038783	0.018422	0.019101	1.036845
ELFN1	1	1.115741	1.53773	1.322799	2.465778	1.309967	0.405158	0.387085	0.035309	0.188342	0.476932	1.550403	0.298565	0.192573
ELFN2	1	13.13287	13.86741	16.78752	26.94452	9.611811	14.25072	7.952479	0.366311	1.354439	3.384279	16.06883	5.461645	0.339891
ELK1	1	6.07032	7.162087	8.698321	11.20112	16.72462	21.22489	9.801081	14.74641	10.92866	33.16997	9.971294	17.9742	1.802595
ELK3	1	2.546175	1.691418	1.050694	0.994935	2.266212	4.702931	2.642559	1.712558	1.126229	1.546669	1.709887	2.346189	1.372131
ELK4	1	0.549349	1.874075	4.074176	2.166121	0.279516	2.216088	2.723793	4.584648	4.555733	6.278263	1.788648	4.071705	2.276415
ELL	1	1.256847	1.764067	3.819338	3.075662	2.894196	2.800132	2.785196	3.554512	3.155901	7.04989	2.562022	3.869126	1.510185
ELL2	1	11.19226	12.69691	5.767324	8.26431	9.416908	13.85324	11.68891	4.369252	6.932679	1.986253	9.467542	7.766068	0.820283
ELL3	1	0.062306	0.040207	0.155514	0.181259	0.41062	0.838463	0.510677	5.451912	0.506158	1.997494	0.169981	1.860941	10.94792
ELMO1	1	52.59405	59.05199	77.60858	61.63861	75.90201	60.91778	44.00408	82.35791	85.43951	110.5065	65.35905	76.64516	1.172679
ELMO2	1	12.26218	12.22346	26.07734	31.42758	13.07205	15.48803	20.87629	24.74789	21.12194	41.96719	19.01252	24.84027	1.306521
ELMO3	1	0.424014	0.033024	0.175626	0.499166	0.376932	0.153035	0.093208	0.264513	0.604689	0.534715	0.301752	0.330032	1.093718
ELMOD1	1	126.188	146.0363	49.5635	56.78508	114.6348	22.79793	101.0386	53.72361	38.17268	31.52057	98.64153	49.45068	0.501317
ELMOD2	1	3.525599	4.027678	2.404148	2.165106	3.057908	2.101969	3.816984	6.151365	6.325293	3.103462	3.036088	4.299815	1.416235
ELMOD3	1	6.390936	6.332111	8.366249	7.791965	12.29956	11.51252	9.013313	11.74652	13.39853	11.80079	8.236165	11.49434	1.395593
ELMSAN1	1	3.897185	3.253474	6.100737	5.914877	2.388269	5.2165	3.910767	6.540865	5.731159	6.284432	4.310908	5.536745	1.284357
ELN	1	3.361322	0.583114	5.715805	2.971368	1.827052	8.689481	1.226297	1.151308	18.24043	30.95922	2.891732	12.05335	4.16821
ELOA	1	12.52275	10.03249	11.60997	11.99531	9.242427	7.793793	8.489398	10.07411	7.297258	9.219102	11.08059	8.574732	0.773852
ELOB	1	27.85979	30.40678	40.23914	56.457	175.3587	86.87409	34.42338	27.60462	45.55424	88.85149	66.06428	56.66156	0.857673
ELOC	1	16.88832	20.29805	13.08741	11.38746	19.46299	14.82819	18.424	14.17799	26.11525	18.62378	16.22485	18.43384	1.136149
ELOF1	1	9.220616	9.614322	7.98932	8.437396	27.84724	10.72322	5.300615	5.871198	4.087409	5.905253	12.62178	6.37754	0.505281
ELOVL1	1	7.722335	9.183245	18.52967	21.29809	34.17843	18.98692	12.06814	13.50435	8.110073	9.191496	18.18235	12.3722	0.680451
ELOVL2	1	14.00158	12.79358	25.20537	17.32371	4.13101	3.520157	13.65387	11.43688	8.601785	4.384348	14.69105	8.319408	0.566291
ELOVL3	0.034696	1.17687	1.550554	1.035235	1.683886	4.435608	0.171082	0.069466	0.084488	0.2535	0.027172	1.97643	0.121141	0.061293
ELOVL4	1	22.99164	30.13692	18.2736	16.33618	10.27166	9.999254	25.34204	17.31833	24.99819	17.77769	19.602	19.0871	0.973732
ELOVL5	1	21.3835	27.7153	59.6822	78.42867	28.58167	35.5761	38.23777	27.09797	55.11481	25.66559	43.15827	36.33845	0.841981
ELOVL6	1	11.92729	14.44145	10.68775	8.022437	7.069939	3.562144	7.763897	6.551281	6.997139	3.439997	10.42977	5.662892	0.542954
ELOVL7	1	3.134544	4.403966	6.914871	7.762554	5.083625	11.35031	8.039994	3.450448	5.81069	2.482519	5.459912	6.226792	1.140456
ELP1	1	17.11342	12.50978	10.30032	12.43631	7.929674	11.56712	20.49986	15.14611	10.31732	12.7301	12.0579	14.0521	1.165386
ELP2	1	11.12542	8.473732	6.624074	11.18048	11.9079	9.212289	18.36649	16.16846	7.103374	7.241882	9.862323	11.6185	1.178069
ELP3	1	17.49992	15.16728	10.35661	11.9346	15.65997	5.484813	12.53754	10.36639	8.996661	7.044147	14.12368	8.885911	0.62915
ELP4	1	3.885005	4.353261	3.319144	2.495703	3.714501	3.581716	6.031177	12.17355	12.07126	6.909913	3.553523	8.153522	2.29449
ELP5	1	16.27043	16.22884	13.72163	19.00259	39.14446	48.85919	22.75126	32.37043	19.4321	32.57356	20.87359	31.19731	1.494583
ELP6	1	1.720295	1.634581	4.378916	2.430242	0.515125	2.48355	5.344653	3.648791	5.642649	7.96773	2.135832	5.017475	2.34919
ELSPBP1	1	0.022506	0.025416	0	0.026959	0	0	0	0	0	0	0.014976	0	0
EMB	1	0.544456	0.585733	0.613311	0.473704	0.139971	0.479885	0.43842	0.659123	3.910872	5.863889	0.471435	2.270438	4.816014
EMC1	1	22.02353	18.0946	28.95137	32.14637	24.13961	14.23908	23.16185	28.19171	15.22188	24.4391	25.0711	21.05072	0.839641
EMC10	0.01068	64.25614	69.07455	98.2609	118.8218	219.2738	11.26001	9.802749	8.906509	23.18857	40.28301	113.9374	18.68817	0.164021
EMC2	1	56.00163	53.13037	27.52836	27.21789	45.72124	39.39392	42.75328	33.03334	40.93857	12.28228	41.9199	33.68028	0.803444
EMC3	1	53.55011	50.06585	46.70469	52.23996	74.95566	58.53272	92.05379	76.50924	57.74557	59.65009	55.50325	68.89828	1.241338
EMC4	1	39.80905	38.93418	29.29208	31.10766	68.67951	42.93617	40.24952	33.97207	34.48413	44.6806	41.56449	39.2645	0.944664

EMC6	1	12.07746	10.9241	10.81013	13.28166	24.17774	40.11392	26.08472	16.9591	17.10779	27.31758	14.25422	25.51662	1.79011
EMC7	1	59.25386	53.72503	39.9312	43.99558	72.40132	84.53754	120.7815	80.10166	65.79753	74.45017	53.8614	85.13367	1.580606
EMC8	1	11.29434	10.80511	6.02565	8.697487	25.87663	19.75863	18.27422	10.88355	7.84063	14.85905	12.53984	14.32321	1.142216
EMC9	1	6.113647	3.323599	2.882434	3.25287	14.40856	43.98281	14.28064	6.273101	3.215432	6.430632	5.996222	14.83652	2.474312
EMCN	1	4.106725	3.26829	2.158774	2.551263	4.590457	22.98507	5.824941	6.057388	7.744049	3.218566	3.335102	9.166003	2.748343
EMD	1	12.15057	11.77357	17.78919	19.37085	43.55646	25.59217	19.34857	22.9897	18.53402	44.56094	20.92813	26.20508	1.252146
EME1	1	1.582317	1.271462	1.807606	1.946479	1.684525	3.280463	2.97438	4.68709	4.058541	6.990629	1.658478	4.398221	2.651963
EME2	6.20E-09	1.492228	1.306265	1.687335	1.776954	2.240357	0.115522	0.037526	0.04564	0.022823	0.080729	1.700628	0.060448	0.035545
EMG1	1	6.651562	6.564801	4.638794	4.938067	20.89419	16.60047	15.50015	16.03491	9.246701	17.74713	8.737483	15.02587	1.719703
EMID1	1	4.523234	3.350379	3.493181	8.086327	14.11809	6.615438	2.48514	0.711181	1.467025	3.044816	6.714242	2.86472	0.426663
EMILIN1	1	1.801821	0.387582	2.415197	2.700842	0.60796	1.421911	0.810323	0.689882	1.33068	1.141039	1.58268	1.078767	0.681608
EMILIN2	1	0.448595	0.052227	0.141402	0.354553	0	0.750279	1.267714	0.513947	0.908504	0.076878	0.199355	0.703464	3.528693
EMILIN3	1	0.71294	1.253698	2.090873	2.799987	1.395737	0.879462	0.18396	0.078967	0.342238	0.355543	1.650647	0.368034	0.222963
EML1	1	7.271447	7.161472	10.71599	12.08956	8.075588	9.455528	15.028	4.806887	8.584976	2.679583	9.06281	8.110995	0.894976
EML2	1	14.6704	17.03726	35.37157	40.5393	26.08991	38.93188	26.25731	20.96964	14.37289	22.52164	26.74169	24.61067	0.920311
EML3	1	1.829437	1.716364	7.077599	10.84176	4.266189	8.437784	4.827287	6.889482	8.397453	12.345	5.14627	8.179402	1.589384
EML4	1	5.595434	5.22426	5.356637	4.16955	4.025359	4.312735	4.873541	4.483441	6.094323	5.005988	4.874248	4.954005	1.016363
EML5	1	2.422417	3.166987	5.366297	3.35444	2.250337	1.090291	2.465251	5.806626	5.353432	5.106581	3.312095	3.964436	1.196957
EML6	1	2.77681	3.17577	4.38492	1.8972	1.866917	0.989826	2.800126	4.92042	1.472043	0.87068	2.820323	2.210619	0.783818
EMP1	1	5.206646	0.998613	4.093024	4.885262	2.005655	5.905479	3.099003	2.38768	3.036206	1.1628	3.43784	3.118233	0.907033
EMP2	1	4.203764	5.245382	17.63421	20.04149	9.803436	7.586942	1.455566	3.892265	3.759432	1.902998	11.38566	3.719441	0.326678
EMP3	1	5.040672	0.571444	1.402644	1.352181	2.323799	10.99994	2.067794	4.677767	4.225694	2.297022	2.138148	4.853643	2.270022
EMSY	1	3.439828	3.926228	4.270658	3.93454	2.38542	4.50388	7.863123	12.3794	7.673621	5.976267	3.591335	7.679257	2.138274
EMX1	1	3.152221	5.668792	1.735545	3.411116	9.344806	3.604301	2.870705	0	0	0.022017	4.662496	1.299404	0.278693
EMX2	1	5.174245	4.783275	1.745031	3.559084	4.589178	11.40789	6.972847	0.020049	0.12031	0.451344	3.970163	3.794488	0.955751
EN1	1	0.006715	0	0.520591	0.028152	0	0	0	0	1.683547	0.011162	0.111092	0.338942	3.051014
EN2	1	0.014058	0.023813	10.02392	0.168394	0	0	0	15.18633	14.82517	23.41507	2.046037	10.68531	5.222445
ENAH	1	12.67839	11.19057	10.4383	9.459412	8.083558	9.910103	10.3354	7.234906	16.95282	12.76042	10.37005	11.43873	1.103055
ENAM	1	0	0	0	0.011072	0	0	0	0	0.059726	0.076821	0.002214	0.027309	12.33308
ENC1	1	278.4022	267.0697	70.57557	156.0563	241.5021	159.6715	440.5214	8.74208	26.20831	7.392391	202.7212	128.5071	0.633911
ENDOD1	1	40.61221	44.25289	25.00075	30.45261	29.67746	9.168517	17.5979	2.908452	6.180027	13.55429	33.99918	9.881836	0.290649
ENDOG	1	2.767039	3.412174	6.737715	6.934031	10.44332	4.743718	3.717127	5.794983	1.150944	3.09293	6.058856	3.69994	0.610666
ENDOU	1	0.883435	0.43648	0.67184	1.360622	1.690989	0	0.184373	0.122314	0.448548	1.075198	1.008673	0.366087	0.362939
ENDOV	1	0.270129	0.217088	0.257932	0.367232	0.47051	0.953408	0.704832	0.980634	0.811901	1.104859	0.316578	0.911127	2.878044
ENG	1	7.779871	6.435252	20.55307	19.97961	11.8894	17.53585	5.148071	3.897865	7.408785	4.288224	13.32744	7.65576	0.574436
ENGASE	1	4.239033	4.565243	7.525861	8.037224	8.284691	9.072035	6.218914	5.169418	2.68486	4.270012	6.53041	5.483048	0.839618
ENHO	1	20.35894	16.87508	79.7358	101.0521	142.9033	161.2959	53.69422	76.78488	53.58099	154.3192	72.18503	99.93504	1.384429
ENKD1	1	0.802602	0.362553	1.402281	2.100358	1.105752	2.520167	1.049531	2.233838	0.829832	1.477874	1.154709	1.622248	1.404898
ENKUR	1	2.153771	1.805282	0.418111	0.171999	1.87028	1.001901	6.610723	4.576734	0.247427	0.397809	1.283889	2.566919	1.999331
ENO1	1	187.6095	138.9865	216.197	250.3004	259.5236	255.2155	405.7505	289.2492	194.5604	479.7429	210.5234	324.9037	1.543314
ENO2	1	181.2418	190.3409	221.4902	255.4907	377.1649	265.7932	266.6959	475.8044	322.1218	476.594	245.1457	361.4019	1.474233
ENO3	1	2.807224	2.710223	2.740859	3.58694	7.558135	18.09025	2.339298	3.129656	8.479756	13.72513	3.880676	9.152817	2.358562
ENO4	1	0.645733	0.663926	0.55428	0.627282	0.993846	0.907881	1.720308	0.788765	0.298944	0.347127	0.697014	0.812605	1.165838
ENOPH1	1	30.06066	28.50915	21.71989	23.6243	49.35066	48.25968	60.68267	39.81123	39.35983	47.03061	30.65293	47.0288	1.534235
ENOSF1	1	7.704782	4.20936	7.528278	6.534167	15.3985	4.361241	0.386366	1.135624	2.271578	2.418014	8.275018	2.114564	0.255536
ENOX1	1	12.19735	9.731561	4.579035	6.636857	7.70949	8.064815	9.913061	10.60713	7.207936	5.898967	8.170859	8.338382	1.020502

ENOX2	1	2.01072	1.609758	0.96898	1.159082	1.421747	5.335482	7.16125	4.806237	2.684076	1.020008	1.434057	4.201411	2.929737
ENPEP	1	2.319991	1.984833	1.77666	0.64966	1.417212	4.861766	2.368896	0.830599	2.414279	0.133562	1.629671	2.12182	1.301993
ENPP1	1	0.331652	0.387794	0.878151	0.745346	0.191149	1.36701	2.051863	2.541064	3.869048	1.858861	0.506818	2.337569	4.612242
ENPP2	1	29.72557	49.30337	69.22583	102.8338	44.83371	29.62192	39.41548	25.48011	22.44975	7.280574	59.18446	24.84957	0.419866
ENPP3	0.050249	0	0.023264	0.029994	0.016452	0	1.581209	0.043775	0.408182	11.28875	2.796681	0.013942	3.223719	231.224
ENPP4	1	13.66064	16.15715	21.16204	25.60489	9.227007	5.639047	11.00747	3.527419	9.614132	4.179485	17.16234	6.79351	0.395838
ENPP5	1	29.78652	29.21764	74.25804	93.50524	27.24634	8.579762	26.54034	14.67927	23.42004	19.22229	50.80275	18.48834	0.363924
ENPP6	1	2.313899	2.195857	6.743844	9.216739	2.737071	0.395178	1.295133	1.784285	3.011418	1.412167	4.641482	1.579636	0.34033
ENPP7	1	0	0.018803	0	0	0	0	0	0.129091	0	0.027677	0.003761	0.031354	8.337567
ENSA	1	60.28418	60.70472	36.14263	42.04085	115.3292	150.3009	100.2917	56.24695	40.1193	47.7067	62.90032	78.9331	1.254892
ENTHD1	1	0.037288	0.014037	0	0	0	0.292713	0.277325	0.112431	0	0.041324	0.010265	0.144759	14.10217
ENTPD1	1	0.75004	0.850093	1.258218	0.686872	0.641581	3.669211	3.60914	2.914675	3.863384	1.197124	0.837361	3.050707	3.643241
ENTPD2	1	1.579979	1.862833	8.138236	4.213818	5.959415	0.052003	0.168925	0.128408	0.719188	3.518454	4.350856	0.917396	0.210854
ENTPD3	1	3.208166	3.975433	4.97544	6.482331	5.691022	1.698537	5.663309	3.081017	2.774932	3.973843	4.866478	3.438328	0.706533
ENTPD4	1	16.90572	16.21007	13.87971	12.73082	12.32386	3.33151	12.06139	20.86499	10.36861	6.349398	14.41004	10.59518	0.735264
ENTPD5	1	3.927898	4.008565	3.398301	3.089515	2.767418	5.233683	6.640918	8.025921	10.83317	3.915499	3.43834	6.929838	2.015461
ENTPD6	1	17.97788	14.15706	13.24709	16.67836	18.15295	5.383183	11.28153	5.419804	2.401528	4.26932	16.04267	5.751074	0.358486
ENTPD7	1	1.463864	1.905614	0.370873	0.242047	0.863321	1.023701	0.694298	1.027761	0.311151	0.521705	0.969144	0.715723	0.738511
ENTPD8	1	0	0	0	0	0	0	0	0.040595	0	0.078333	0	0.023786	#DIV/0!
ENTR1	1	4.801561	4.68967	6.628804	7.60856	6.651879	3.244775	3.952543	4.266882	4.025243	5.22532	6.076095	4.142953	0.681845
ENY2	1	14.12499	11.85171	7.508488	9.793358	21.45817	26.65293	17.16198	13.84006	12.41118	14.72372	12.94734	16.95798	1.309765
EOGT	1	4.175884	4.577008	3.46281	3.397478	3.393841	2.995187	2.585489	3.188395	1.950574	1.952137	3.801404	2.534356	0.66669
EOMES	1	0.034387	0.025889	3.729929	0.013731	0	0	0	30.42334	14.07321	19.01596	0.760787	12.7025	16.69653
EP300	1	8.662482	8.5919	10.10176	6.721469	5.122153	7.034913	8.774743	18.38077	8.647769	6.889409	7.839953	9.945521	1.268569
EP400	1	6.425316	5.71526	9.796806	7.481689	4.0836	5.88471	7.161899	14.36288	12.03193	14.50481	6.700534	10.78925	1.610207
EPAS1	1	25.60911	20.05636	34.0575	32.79587	6.900058	59.31904	16.59627	14.23538	19.0281	15.00467	23.88378	24.83669	1.039898
EPB41	1	5.564705	4.799059	16.5875	5.424499	3.928037	2.505429	1.747377	21.84179	10.91884	14.17988	7.260761	10.23866	1.410137
EPB41L1	1	34.07478	32.96595	101.2878	108.7774	47.94794	36.37958	30.64562	25.50289	44.43904	59.26806	65.01078	39.24704	0.6037
EPB41L2	1	25.74633	24.65776	25.2653	32.82042	21.82895	44.99912	28.80347	11.79835	27.52693	7.052141	26.06375	24.036	0.9222
EPB41L3	1	47.87384	52.96881	59.11811	45.70143	45.20226	38.41741	62.47161	56.84157	79.29823	68.08636	50.17289	61.02304	1.216255
EPB41L4A	1	1.312164	0.951242	2.773273	1.227044	1.550663	1.4177	0.944418	6.673034	4.091931	12.01097	1.562877	5.027611	3.216894
EPB41L4B	1	10.07098	9.161602	6.469006	9.750285	8.888341	12.95199	8.317723	25.34459	18.13484	16.546	8.868042	16.25903	1.83344
EPB41L5	0.000209	7.806383	6.158326	6.990843	8.600082	6.570596	0.995524	0.523995	0.831527	2.44031	0.897914	7.225246	1.137854	0.157483
EPB42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
EPC1	1	7.544779	8.392621	7.831136	6.680145	7.684163	11.8591	9.06172	22.33474	19.80402	18.40863	7.626569	16.29364	2.136432
EPC2	1	11.53896	11.93875	8.470271	7.551044	4.557221	9.292267	12.5666	22.29794	17.08969	15.75003	8.81125	15.39931	1.747687
EPCAM	1	2.197636	3.46111	1.141515	2.917133	4.93211	0.124335	0.10097	0.460513	0.85975	1.461282	2.929901	0.60137	0.205253
EPDR1	1	34.51968	27.49203	21.18427	22.20814	40.96876	8.967458	45.26591	18.47492	28.99443	29.57627	29.27458	26.2558	0.89688
EPG5	1	3.084803	3.818133	6.254321	5.613342	2.826269	2.12828	3.10439	5.291805	6.490271	5.135038	4.319373	4.429957	1.025602
EPGN	1	0.215422	0.486555	0.342162	0.211134	0	0.819908	2.455263	1.670238	0	0.618542	0.251055	1.11279	4.432463
EPHA1	1	0.044518	0.025137	0.19445	0.139984	0.105705	0	0	0.115053	0.172605	0.055502	0.101959	0.068632	0.673136
EPHA10	1	0.974099	1.149103	2.520353	2.586432	0.168368	1.168918	0.85697	0.721578	2.181085	5.291016	1.479671	2.043913	1.381329
EPHA2	1	0.503721	0.250965	0.862828	0.69214	0.214421	1.757424	1.070381	0.740261	0.816958	0.993329	0.504815	1.07567	2.130821
EPHA3	1	4.318631	2.195018	1.326543	1.142338	0.164829	2.320477	6.453497	0.094188	0.690811	0.020194	1.829472	1.915833	1.047206
EPHA4	1	18.09139	24.9515	7.753843	10.3057	0.809857	2.369647	26.28489	1.62237	0.798003	0.27371	12.38246	6.269724	0.506339
EPHA5	1	8.527283	9.541131	4.117088	4.675929	3.822603	4.869825	14.779	0.99929	11.62828	1.034802	6.136807	6.662241	1.08562

EPHA6	1	0.580492	1.063248	1.993494	1.061481	0.233785	0.78363	4.171293	0.339279	0.180268	0.075016	0.9865	1.109897	1.125086
EPHA7	1	3.934863	8.124649	2.304597	2.632059	4.708977	2.883922	13.57853	7.175569	3.28524	2.962576	4.341029	5.977167	1.376901
EPHA8	1	0.788403	1.249213	2.099592	2.023763	0.611276	0.084203	0.957324	2.453415	2.204236	2.708104	1.354449	1.681456	1.241432
EPHB1	1	2.394848	3.830984	9.145747	5.463829	2.480287	5.841079	6.13473	2.94136	14.49313	3.214048	4.663139	6.52487	1.399244
EPHB2	1	3.607809	3.85057	2.797509	3.692549	3.100921	2.483687	10.35896	2.465012	1.762681	3.056137	3.409871	4.025295	1.180483
EPHB3	1	3.11266	3.684414	2.411464	2.932635	4.162356	3.216079	10.55307	1.678626	1.343096	6.677561	3.260706	4.693686	1.439469
EPHB4	1	0.553533	0.344547	1.808581	1.827367	0.473104	2.21253	0.472344	0.428046	0.90128	0.470946	1.001426	0.897029	0.895751
EPHB6	1	15.29653	17.29816	6.750165	16.76469	22.15752	6.426108	13.01289	0.06781	4.584596	6.298101	15.65341	6.077901	0.38828
EPHX1	1	16.38006	11.41229	14.81882	18.72412	17.9741	25.84142	21.5643	20.85863	48.10506	17.01113	15.86188	26.67611	1.681775
EPHX2	1	6.985624	10.31701	14.61515	21.13214	11.90358	14.37016	12.53216	28.4757	15.08806	1.521531	12.9907	14.39752	1.108295
EPHX3	1	1.454815	1.649692	2.431976	2.41685	2.274504	2.506509	0.776032	1.315186	0.309501	1.592354	2.045567	1.299917	0.63548
EPHX4	1	5.133833	6.156698	2.468717	3.215944	7.09358	8.072434	17.94003	14.42449	3.95666	6.20487	4.813754	10.1197	2.102246
EPM2A	1	2.579169	2.657056	2.822907	2.475938	1.97201	3.647168	3.442782	3.925538	3.325645	2.25759	2.501416	3.319744	1.327146
EPM2AIP1	1	25.19128	25.37291	38.51332	33.67846	20.34946	6.389442	13.3915	14.46995	10.88049	8.950906	28.62108	10.81646	0.377919
EPN1	1	26.50029	22.28434	41.30502	53.8342	25.66169	25.85339	11.70824	9.337707	17.16951	61.18121	33.91711	25.05001	0.738566
EPN2	1	9.598128	8.979633	20.12767	20.19177	16.55562	9.917931	7.573459	6.536926	10.37241	6.103453	15.09056	8.100836	0.536815
EPN3	1	0.015693	0.017722	0.394144	0.234985	0.085173	0.225852	0.108379	0.263629	0.081128	0.35218	0.149544	0.206233	1.379086
EPO	1	0	0	0	0.023484	0	0	0	0	0.050673	0.195533	0.004697	0.049241	10.48409
EPOP	1	2.880249	4.089277	2.381532	4.053668	7.767801	3.969919	8.550906	0.520762	0.337013	1.408795	4.234505	2.957479	0.698424
EPOR	1	0.226406	0.073052	0.659281	0.774885	0.8777	0.733481	0.458191	0.278634	2.56381	2.939205	0.522265	1.394664	2.670416
EPPK1	1	0.514192	0.816278	5.306657	7.792685	0.556141	0.006422	0.026077	0.01903	0.361615	0.585479	2.99719	0.199724	0.066637
EPRS	1	31.91901	31.86634	30.29471	32.56266	14.47468	15.81552	31.01802	36.69785	47.14848	45.86774	28.22348	35.30952	1.251069
EPS15	1	52.58155	49.68133	35.20863	46.48699	38.33096	63.89633	69.75214	21.59869	45.85175	31.01013	44.45789	46.42181	1.044175
EPS15L1	1	10.54733	10.38269	12.57667	11.68496	9.907944	7.336072	11.38773	12.00127	8.912722	13.21015	11.01992	10.56959	0.959135
EPS8	1	8.075913	5.866958	15.4193	10.18552	5.451403	17.54528	6.398336	42.73073	41.37782	36.95759	8.999818	29.00195	3.222504
EPS8L1	1	0.287964	0.253814	0.061356	0.100961	0.457428	0.882153	0.179095	0.054456	0.980344	0.572096	0.232305	0.533629	2.297105
EPS8L2	1	2.373149	2.301378	11.09797	11.53428	3.04227	0.191912	0.356226	1.096677	1.868685	3.849171	6.069809	1.472534	0.2426
EPS8L3	1	0	0	0	0.017848	0.040432	0	0	0.038507	0	0.160992	0.011656	0.0399	3.423083
EPSTI1	1	3.770096	1.506533	1.697418	1.459072	2.770186	4.128155	3.179856	3.177913	1.499233	0.848477	2.240661	2.566727	1.145522
EPYC	1	0	0	0	0	0	0	0	0	0	0.039923	0	0.007985	#DIV/0!
EQTN	1	0.236297	0.298874	1.135339	0.452894	0.538635	0.197859	0.060254	0.122139	0.537491	0.031424	0.532408	0.189834	0.356557
ERAL1	1	10.97081	9.810192	9.886763	14.6075	22.32837	10.29821	11.0279	9.222769	8.697019	10.69483	13.52073	9.988144	0.738728
ERAP1	1	1.850572	1.718196	1.673189	1.215033	0.322101	4.489386	4.047019	4.280724	5.829326	1.695087	1.355818	4.068309	3.00063
ERAP2	1	0.857079	0.617092	1.250609	0.730788	0.792204	2.056613	0.564667	0.367566	1.10286	0.118211	0.849554	0.841983	0.991088
ERAS	1	0.681097	1.047376	3.164869	2.655955	5.190893	0	0	0	0.674239	3.541168	2.548038	0.843081	0.330875
ERBB2	1	3.112189	1.188697	4.28992	4.626582	3.328703	1.431357	1.179993	0.888937	2.335139	2.004644	3.309218	1.568014	0.473832
ERBB3	9.39E-05	4.414753	8.395371	19.39673	33.39369	11.93321	2.301325	1.191955	0.993313	2.61342	0.828852	15.50675	1.585773	0.102263
ERBB4	1	4.125902	7.043889	7.254105	5.709425	0.947788	2.575555	3.253547	7.19843	3.191662	5.181356	5.016222	4.28011	0.853254
ERBIN	1	10.36763	10.2074	15.91333	18.42554	9.773133	25.50624	18.99474	12.68665	25.01467	7.980907	12.93741	18.03664	1.394147
ERC1	1	5.425967	4.167715	6.43025	5.45007	2.516725	6.772608	4.516824	12.54641	9.996703	31.48944	4.798145	13.0644	2.722801
ERC2	1	22.72469	14.97016	6.387122	12.20609	12.85522	15.25971	16.11473	2.245056	4.176412	3.037292	13.82866	8.166642	0.590559
ERCC1	1	6.41065	6.514082	9.164577	11.80546	20.62345	33.62056	15.30694	20.73644	8.762157	18.49574	10.90364	19.38437	1.777789
ERCC2	1	6.551915	6.360644	9.204701	11.77275	11.05602	6.015495	6.33704	8.384007	5.909274	11.3267	8.989206	7.594504	0.844847
ERCC3	1	11.90437	12.36731	9.024793	9.861813	10.44994	22.0609	22.2378	23.98801	10.48285	16.63086	10.72164	19.08009	1.779586
ERCC4	1	3.427858	3.487761	4.478417	5.379402	2.567133	2.242388	4.546604	4.853812	3.595939	4.097926	3.868114	3.867334	0.999798
ERCC5	1	9.560924	9.574391	8.654163	8.671142	6.827027	7.137587	6.755842	10.08631	6.693423	8.946287	8.657529	7.923889	0.91526

ERCC6	1	3.44587	3.590335	3.859874	3.939192	2.949307	1.767456	2.708765	8.721898	7.298842	4.056585	3.556916	4.910709	1.380609
ERCC6L	1	0.129672	0.244066	0.15104	0.0932	0.035189	0.497653	1.01034	0.681433	0.37987	0.36645	0.130633	0.587149	4.494631
ERCC6L2	1	3.876654	4.386157	3.686835	4.847496	1.740144	3.838919	2.725252	4.563788	6.366375	2.576102	3.707457	4.014087	1.082706
ERCC8	1	2.682983	5.074009	4.289512	3.767524	4.354506	7.994596	8.947343	9.4223	9.490035	1.066989	4.033707	7.384253	1.830637
EREG	1	0.267185	0.314306	0.10941	0.100019	0.090632	0.291306	0.094626	0.100701	0.345312	0.055519	0.17631	0.177493	1.006707
ERF	1	4.767372	5.99946	7.120146	10.38445	1.798428	4.754896	4.633647	1.326027	3.481328	5.02862	6.01397	3.844904	0.639329
ERFE	0.098415	0.409638	0.211702	0.667185	0.964773	0.86669	0.036335	0.029507	0	0	0.046166	0.623997	0.022402	0.0359
ERG	1	1.916931	1.338759	1.64155	1.643653	1.574265	3.590375	0.986187	0.573644	1.199612	0.855345	1.623032	1.441033	0.887865
ERGIC1	1	15.95836	12.61303	19.16957	20.27841	15.19083	18.54329	20.05441	21.77948	23.54128	30.72738	16.64204	22.92917	1.377786
ERGIC2	1	26.60056	28.6005	15.48691	13.78483	14.05402	62.96293	52.534	33.74135	36.18822	13.13136	19.70536	39.71157	2.015267
ERGIC3	1	34.80185	29.19137	29.31445	32.86732	65.50572	89.90221	65.59858	68.57966	44.75204	59.82172	38.33614	65.73084	1.714592
ERH	1	44.52602	52.81045	26.74048	32.67709	160.3321	132.3644	76.98533	66.9917	40.81174	58.01002	63.41723	75.03264	1.183159
ERI1	1	3.621389	3.98879	2.323039	2.091207	3.988193	1.274793	3.105714	3.042813	2.518557	1.174296	3.202523	2.223235	0.694213
ERI2	1	2.097622	2.148156	1.351574	1.498273	0.40659	3.443266	6.865966	8.535839	2.155318	2.382386	1.500443	4.676555	3.116784
ERI3	1	22.07217	23.76816	16.48774	23.33984	58.94252	84.23097	50.28503	22.41386	18.8324	30.40833	28.92208	41.23412	1.425697
ERICH1	1	8.058463	6.438018	2.996256	3.446426	7.879716	8.434515	9.19875	5.370175	7.643283	4.18482	5.763776	6.966309	1.208636
ERICH2	1	3.083673	2.759995	2.686684	2.102387	5.207791	10.12909	1.115345	2.458699	3.307008	3.38104	3.168106	4.078236	1.287279
ERICH3	0.100466	44.61027	37.1886	16.20826	14.75298	13.86537	4.592126	7.966443	1.334721	2.768713	5.123195	25.3251	4.357039	0.172044
ERICH4	1	0	0	0	0	0	0	0	0	0	0.106071	0	0.021214	#DIV/0!
ERICH5	1	0.444629	0.169731	0.300889	0.285063	0.067976	0.819327	0.785127	1.310966	4.564768	2.123674	0.253658	1.920773	7.572296
ERICH6	1	0.007	0.181817	0.030575	0.01677	0	0.036633	0.133871	0	0.108562	0	0.047233	0.055813	1.181667
ERICH6B	1	0	0.014713	0.056908	0.015607	0	0	0.055371	0.050508	0	0	0.017446	0.021176	1.213804
ERLEC1	1	34.61188	31.80122	21.44168	24.08311	24.6718	20.82106	36.69389	33.32964	25.37722	29.08259	27.32194	29.06088	1.063646
ERLIN1	1	6.409348	5.982127	4.206842	4.099819	5.289422	5.670375	9.282729	12.28269	8.979969	7.919382	5.197512	8.827029	1.698318
ERLIN2	1	5.478449	5.196349	6.653515	6.280038	1.59576	1.460475	2.061429	3.331468	2.438852	2.198053	5.040822	2.298056	0.455889
ERMAP	1	0.221205	0.292459	0.27101	0.245592	0.61492	1.665873	0.183434	0.250987	0.083675	0.161437	0.329037	0.469081	1.425618
ERMARD	1	3.101278	3.674612	4.296216	5.987477	5.584454	2.395653	3.882177	7.055826	3.752284	4.079041	4.528808	4.232996	0.934682
ERMN	1	33.99577	75.02475	93.79327	116.7165	79.1895	39.87446	57.13472	22.05719	39.57354	6.342816	79.74395	32.99655	0.413781
ERMP1	1	10.57508	8.233582	12.83087	10.2604	8.328661	2.251349	5.007313	4.530224	5.775632	3.762421	10.04572	4.265388	0.424598
ERN1	1	1.634786	1.050492	2.710273	1.667615	1.340124	0.980303	1.013203	1.573377	1.496576	1.192471	1.680658	1.251186	0.744462
ERN2	1	0.02526	0.021395	0	0.045388	0.068548	0	0	0	0.065293	0	0.032118	0.013059	0.406578
ERO1A	1	12.29592	13.33541	7.376687	6.705459	12.30727	8.130757	10.68109	9.900516	11.18153	9.849647	10.40415	9.948708	0.956225
ERO1B	1	4.657524	5.663397	5.890892	5.81336	3.121861	4.646909	11.17863	13.75463	21.56601	13.00605	5.029407	12.83045	2.551086
ERP27	1	0.021245	0.023992	0	0	0.230611	3.057555	0.112863	0.054907	0.439323	0.211901	0.05517	0.77531	14.05314
ERP29	1	70.37888	54.32	36.56631	42.73614	82.08069	39.47377	48.24557	59.3462	41.43046	31.54872	57.2164	44.00894	0.769167
ERP44	1	23.24027	21.63825	13.40468	13.1052	14.16252	22.31161	25.59033	20.61208	16.02339	8.981122	17.11018	18.70371	1.093133
ERRFI1	1	4.518477	6.435704	14.17795	13.65315	9.926106	2.60596	3.500968	3.463604	5.466298	8.032403	9.742277	4.613847	0.47359
ESAM	1	2.680093	2.238575	4.793013	5.451737	4.44607	14.92558	3.309584	2.456964	2.195905	3.816349	3.921898	5.340876	1.361809
ESCO1	1	2.451534	3.791684	3.608167	2.791971	2.342892	5.131872	9.452393	13.37874	9.202094	6.396397	2.99725	8.7123	2.906765
ESCO2	1	0.200627	0.226569	0.279936	0.340467	0.211725	0.320816	0.805274	0.100821	0.086431	0	0.251865	0.262668	1.042896
ESD	1	13.51337	13.8477	7.55288	7.700652	23.56776	40.14761	16.35391	20.37795	13.27623	12.38438	13.23647	20.50802	1.549357
ESF1	1	11.85191	10.76387	5.434951	4.819037	2.824857	7.802768	8.652202	13.57778	13.67786	6.435088	7.138925	10.02914	1.404853
ESM1	1	0.482261	0.380207	0.178852	0.283399	0.518541	0	0	0.094066	0	0	0.368652	0.018813	0.051033
ESPL1	1	0.048611	0.061355	0.087429	0.085633	0.062077	1.167227	0.589391	0.495136	0.502599	0.066547	0.069021	0.56418	8.17405
ESPN	1	1.930745	1.531687	2.683336	2.886255	1.78977	0	0.022605	0.673568	2.419697	8.788663	2.164359	2.380907	1.100052
ESPNL	1	0.341471	0.489447	2.885511	3.524084	1.054943	0	0.011163	0.006789	0	0.737929	1.659091	0.151176	0.09112

ESR1	1	0.053148	0.028431	0.20771	0.103876	0.030363	0.087834	0.362588	0.1229	0.607357	0.1395	0.084706	0.264036	3.117093
ESR2	1	0.604802	0.482122	0.481727	0.583853	0.173778	0.595789	0.582108	0.064362	1.765614	4.057015	0.465256	1.412977	3.036988
ESRP1	1	0	0.016104	0	0	0.051597	0	0	0	0.049147	0.015804	0.01354	0.01299	0.959371
ESRP2	1	0.059191	0.129757	0.053229	0.095929	0.075588	0.419093	0.355136	0.449927	0.521991	0.387791	0.082739	0.426788	5.158257
ESRRA	1	8.056123	9.875557	12.48675	11.03392	19.70081	10.51193	12.71338	10.93869	14.31508	22.62204	12.23063	14.22022	1.162673
ESRRB	1	0.247358	0.227613	0.300122	0.307283	0.149166	0	0.038935	0.094709	0.236806	0.137064	0.246308	0.101503	0.412096
ESRRG	1	3.372754	4.375479	4.531859	2.326176	2.630621	1.361488	4.666074	13.71938	15.64269	18.79692	3.447378	10.83731	3.143639
ESS2	1	2.907735	2.649187	4.525029	5.805264	2.058427	3.455098	1.716331	2.4142	4.466011	10.13427	3.589129	4.437182	1.236284
ESX1	1	0	0.039867	0.154198	0.084577	0	0	0	0	0	0	0.055728	0	0
ESYT1	1	4.933048	3.232689	8.489133	8.430762	4.695848	8.447728	5.351004	12.19294	12.1057	20.70129	5.956296	11.75973	1.974336
ESYT2	1	18.33648	17.66719	14.02389	14.1921	24.18047	10.93758	19.29728	18.24341	19.39476	17.73528	17.68003	17.12166	0.968418
ESYT3	1	0.836687	1.061049	0.456823	0.747589	1.423711	0.26918	1.100269	1.639502	0.194996	0.051302	0.905172	0.65105	0.719255
ETAA1	1	7.201469	7.482715	7.24077	4.884869	3.991245	1.827748	4.693264	7.157402	5.136787	1.553645	6.160214	4.073769	0.661303
ETF1	1	27.17349	28.35538	19.32165	21.43239	20.2815	29.52214	47.52902	30.3076	31.71652	29.0112	23.31288	33.6173	1.442005
ETFA	1	12.25313	12.77783	9.177525	8.68296	12.84277	23.9133	33.34853	24.0406	23.62227	19.7358	11.14684	24.9321	2.236696
ETFB	1	41.91343	33.32615	30.35852	31.93126	69.94558	40.10753	25.34522	19.16937	47.08791	102.2121	41.49499	46.78443	1.127472
ETFBKMT	1	1.006698	0.63567	1.418445	0.635376	0.381871	2.209322	2.392205	2.685683	0.671518	0.179943	0.815612	1.627734	1.995721
ETFDH	0.198403	4.854635	3.783989	5.268321	4.633534	4.162751	17.9132	18.0112	13.93022	13.12368	11.87003	4.540646	14.96967	3.296815
ETFRF1	1	14.2485	15.15611	7.823996	9.541931	14.39839	14.34528	10.49615	8.62744	12.76766	6.76736	12.23378	10.60078	0.866517
ETHE1	1	9.727149	7.245826	9.600524	11.1143	47.81789	26.23584	14.19055	14.16501	7.252766	14.89484	17.10114	15.3478	0.897472
ETNK1	1	20.34214	26.34374	23.08035	21.23349	9.510765	10.95985	22.78275	20.48104	31.10176	12.06383	20.1021	19.47785	0.968946
ETNK2	1	3.204906	2.811763	3.81914	6.440095	6.668335	6.021707	2.458878	0.705642	1.713952	1.167106	4.588848	2.413457	0.52594
ETNPPL	1	12.84471	9.45427	9.141791	9.229744	10.40413	11.24382	11.2759	27.81129	12.01661	17.21107	10.21493	15.91174	1.557694
ETS1	1	5.244922	2.925974	4.396832	3.850243	2.546356	19.2945	5.557717	3.067566	4.45269	1.292107	3.792865	6.732915	1.775153
ETS2	1	9.27033	10.77731	4.590533	8.214204	14.48951	7.628633	11.28805	2.920753	6.209267	4.40167	9.468377	6.489675	0.685405
ETV1	1	5.584807	6.676886	20.33301	5.593599	3.032809	9.008476	13.75776	76.55875	83.52626	58.92205	8.244222	48.35466	5.865279
ETV2	1	0.404252	0.190218	0.29429	0.544783	0.822756	1.851136	0.393715	0.522383	0.696612	0.868002	0.45126	0.86637	1.919892
ETV3	1	6.351874	6.233143	4.746475	4.882645	1.724803	4.399287	10.45636	5.426095	4.30335	3.565089	4.787788	5.630035	1.175916
ETV3L	1	0	0.039386	0.076168	0.020889	0	0.182519	0.889324	0.360543	0.270447	0.057976	0.027289	0.352162	12.90504
ETV4	1	0.642756	0.662196	1.625399	0.783461	1.958432	1.504837	4.468881	4.63378	5.567174	3.6928	1.134449	3.973494	3.502577
ETV5	1	21.79692	25.46168	14.21441	14.76745	36.86813	21.61819	58.78137	17.347	26.09004	7.574332	22.62172	26.28219	1.161812
ETV6	1	2.004035	1.564556	1.496665	1.229153	0.311621	0.794822	1.369638	0.382944	0.861749	0.535729	1.321206	0.788976	0.597164
EVA1A	1	0.341643	0.19291	0.269438	0.193258	0.309036	1.489942	0.766306	0.466005	0.343422	0.141981	0.261257	0.641531	2.455558
EVA1B	1	0.47748	0.209697	4.837422	1.731799	0.719847	1.318816	0.394575	0.685567	2.056999	4.14504	1.595249	1.720199	1.078327
EVA1C	1	0.736384	1.020285	2.216389	3.47655	3.828682	1.845908	2.656179	15.16116	1.279609	6.439465	2.255658	5.476465	2.427879
EVC	1	1.535983	0.838249	1.556885	1.861953	0.927364	6.365258	4.364862	3.646769	3.894252	3.524553	1.344087	4.359139	3.243197
EVC2	1	1.343378	0.524161	0.873573	1.347047	1.259536	0.612192	0.360836	0.429109	1.2485	0.746472	1.069539	0.679422	0.635247
EVI2A	1	14.98278	28.99401	37.94651	60.43157	27.50712	40.65692	20.22935	7.075156	10.39115	2.66488	33.9724	16.20349	0.476961
EVI2B	1	0.959534	0.880431	1.200595	1.951619	0.542471	2.667702	2.442506	0.95578	2.996935	0.448612	1.10693	1.902307	1.718543
EVI5	1	7.424569	8.868336	6.467508	6.702057	4.391196	3.985149	4.708329	6.949636	10.7301	5.094197	6.770733	6.293483	0.929513
EVI5L	1	20.18519	17.17601	33.92766	42.29414	25.60784	34.48292	21.07454	13.01048	19.92048	34.55616	27.83817	24.60891	0.883999
EVL	1	39.32449	38.69916	31.02153	37.70462	46.15241	91.71338	33.81449	7.523129	11.87155	27.1966	38.58044	34.42383	0.892261
EVPL	0.054416	0.399027	0.053407	0.142016	0.2089	0.032084	0.278432	0.471063	5.782712	7.899861	8.578891	0.167087	4.602192	27.54371
EVX1	1	0	0	0.067517	0	0	0	0	0	0	0.051391	0.013503	0.010278	0.761155
EVX2	1	0	0.013306	0	0	0	0	0	0	0	0	0.002661	0	0
EWSR1	1	44.79829	47.51981	49.29112	48.0485	51.97434	86.64945	82.64863	125.7105	81.26912	131.4489	48.32641	101.5453	2.101239

EXD1	1	0.191855	0.157573	0.12951	0.225644	0.189321	0.346851	0.177898	0.198336	5.878799	1.484462	0.178781	1.617269	9.046109
EXD2	1	12.82477	11.92334	7.82189	9.446443	8.66283	13.7964	17.23666	14.02381	8.894031	6.47564	10.13585	12.08531	1.192332
EXD3	1	0.66559	0.928514	1.854436	1.749968	1.62026	0.742751	0.441983	0.486962	0.569259	3.974205	1.363754	1.243032	0.911479
EXO1	1	0.052714	0.052916	0.051167	0.077178	0.047683	0.015326	0.118238	0.090824	0.499607	0.097365	0.056332	0.164272	2.91616
EXO5	1	0.045651	0.061865	0.0997	0.087496	0	0	0.077605	0.306755	0.2832	0.091065	0.058943	0.151725	2.574117
EXOC1	1	13.91357	18.33358	11.54185	11.91336	5.961073	10.61014	25.36139	21.66863	15.45901	12.18665	12.33269	17.05716	1.383086
EXOC1L	1	0	0	0	0	0.1089	0	0	0	1.555935	0.433612	0.02178	0.39791	18.26951
EXOC2	1	12.60148	12.03452	12.48936	11.98603	11.84414	12.60791	18.53425	15.40676	10.10903	16.06607	12.19111	14.54481	1.193067
EXOC3	1	19.03461	15.89187	17.8176	21.69089	16.48521	26.45488	22.06421	13.82119	17.27901	16.25489	18.18404	19.17483	1.054487
EXOC3L1	1	0.340258	0.339048	0.582831	0.727273	0.724194	0.907797	0.198479	0.155184	0.482865	1.197787	0.542721	0.588422	1.084209
EXOC3L2	1	0.030871	0.017431	0.176978	0.097072	0.083773	0.040389	0.090198	0.009973	0.259333	0.051317	0.081225	0.090242	1.111016
EXOC3L4	1	0.020814	0.007835	0.015152	0.083109	0.433025	0	0.014743	0	0	0.161463	0.111987	0.035241	0.314691
EXOC4	1	14.79627	13.4067	10.31796	11.78515	12.44484	7.471676	17.55015	8.408354	8.767431	6.781973	12.55018	9.795916	0.78054
EXOC5	1	7.906765	9.267604	6.630065	6.681439	6.686915	9.042513	16.53023	10.37507	13.55172	6.725604	7.434557	11.24503	1.512535
EXOC6	1	9.048129	9.664363	3.737976	4.759939	5.987776	8.351932	18.94176	11.87151	11.66997	12.00359	6.639636	12.56775	1.892838
EXOC6B	1	19.76378	19.2831	20.87823	24.67479	12.90953	13.43724	10.48158	9.520036	10.13117	5.756361	19.50189	9.865277	0.505863
EXOC7	1	6.956714	5.763229	7.146851	7.826583	8.301139	25.84527	23.52656	25.9915	5.864908	12.75318	7.198903	18.79629	2.610993
EXOC8	1	6.620927	6.246651	6.556017	5.494319	0.661616	1.594913	5.974121	5.730058	4.175082	6.687305	5.115906	4.832296	0.944563
EXOG	1	1.906842	2.717396	2.809364	2.483608	0.410678	2.296784	4.309209	5.945039	3.833544	2.415092	2.065577	3.759933	1.820282
EXOSC1	1	6.939947	6.950078	5.719461	5.534744	18.12206	9.691597	8.069134	6.42985	7.252766	8.426936	8.653259	7.974057	0.921509
EXOSC10	1	9.665071	11.6276	9.428161	10.25604	11.66262	11.47264	8.722929	10.98271	16.46401	17.14782	10.5279	12.95802	1.230827
EXOSC2	1	5.032377	4.51968	4.186213	4.667035	7.319461	6.077556	9.738292	14.53884	7.39152	11.53109	5.144953	9.855461	1.915559
EXOSC3	1	7.323686	6.992309	3.221404	4.520046	13.03218	16.15669	12.46455	8.599447	5.32002	7.869173	7.017925	10.08197	1.436603
EXOSC4	1	4.656047	4.095251	3.666571	3.673609	17.19086	9.254629	7.991198	9.487784	3.124481	10.15862	6.656468	8.003343	1.202341
EXOSC5	1	1.994291	1.755624	3.189426	5.266973	10.1845	6.738707	5.439024	3.084362	2.354198	4.202704	4.478164	4.363799	0.974462
EXOSC6	1	3.986027	3.992156	6.036541	7.841886	17.96215	0	0	0	0.827261	2.394104	7.963752	0.644273	0.080901
EXOSC7	1	8.164833	6.332935	5.738488	4.985362	18.95042	19.6573	18.88624	19.27852	16.40964	29.69573	8.834407	20.78549	2.352788
EXOSC8	1	4.818649	5.174102	2.458415	3.572158	10.50386	24.70081	18.96804	29.34744	19.39765	9.651636	5.305436	20.41312	3.847585
EXOSC9	1	45.83893	47.13506	19.56055	21.729	59.97705	41.34221	41.08456	35.30636	29.00355	31.91015	38.84812	35.72937	0.919719
EXT1	1	8.362248	8.279176	4.117844	4.353474	6.090465	6.588207	12.84284	8.023438	8.245466	10.37829	6.240641	9.215647	1.476715
EXT2	1	5.6079	5.021011	8.812298	7.740039	4.680595	5.355129	7.719617	9.146369	6.768374	11.31292	6.372369	8.060481	1.264911
EXTL1	1	9.397073	8.23005	6.644571	10.88059	11.26825	22.98057	11.25743	3.268637	0.594384	0.852727	9.284107	7.79075	0.839149
EXTL2	1	27.50968	26.71649	14.19315	16.62655	30.35032	12.61925	30.28541	16.54248	6.131489	5.149034	23.07924	14.14553	0.612912
EXTL3	1	8.150403	7.111557	10.20268	14.96067	7.671118	3.092323	7.510093	3.921765	3.943848	4.187273	9.619286	4.53106	0.471039
EYA1	1	2.684594	0.543503	0.755463	1.324177	0.918291	2.144791	0.223711	5.393124	0.369313	0.762533	1.245206	1.778694	1.428434
EYA2	1	3.577311	0.992995	3.561675	3.132905	2.182181	1.17991	2.539191	4.972292	1.048995	1.711546	2.689413	2.290387	0.851631
EYA3	1	7.23423	7.275724	10.23916	12.92005	6.195436	8.093242	9.585815	9.652332	8.500344	4.618236	8.772919	8.089994	0.922155
EYA4	1	1.480601	0.937817	0.89714	0.920433	0.713752	2.149776	1.557402	1.642124	8.92223	1.911033	0.989949	3.236513	3.269374
EZH1	1	19.18378	20.38286	26.85743	23.18381	14.62452	15.2817	18.96848	33.65475	22.96843	22.74071	20.84648	22.72282	1.090008
EZH2	1	1.221418	1.87706	2.323776	3.227935	2.033138	0.955517	0.655552	3.140415	2.3109	1.548969	2.136666	1.722271	0.806055
EZR	1	30.66903	16.93153	27.2672	38.82825	24.05137	23.9901	18.59386	10.69862	23.42378	59.22002	27.54947	27.18527	0.98678
F10	1	0.294639	0.128802	1.120902	3.290373	0.412673	0.14922	0.525111	0.049128	0.294809	0.142197	1.049478	0.232093	0.221151
F11	1	0.052351	0	0	0.015678	0	0	0	0.033824	0.642758	0.239318	0.013606	0.18318	13.46347
F11R	1	4.346515	4.241872	3.602392	4.749087	7.161819	8.723116	1.377425	0.897469	2.004639	1.241107	4.820337	2.848751	0.590986
F12	1	0.039192	0.017704	0	0.075117	0	0	0	0.060774	0.040522	0	0.026403	0.020259	0.767317
F13A1	1	1.397244	0.712782	0.768143	0.825332	0.980602	0.277361	0.184287	0.834288	2.391143	0.072083	0.93682	0.751832	0.802536

F13B	1	0	0	0	0	0	0.449824	0.34703	0.222142	0.133305	0	0	0.23046	#DIV/0!
F2	1	0.184208	0.302586	1.572642	1.203611	1.022484	0	0.07117	0.064919	4.848025	0.12527	0.857106	1.021877	1.192241
F2R	1	4.733853	3.373952	4.049922	4.060163	1.621491	4.717536	8.90989	6.563163	5.56552	1.310113	3.567876	5.413244	1.517218
F2RL1	1	2.356241	0.994189	0.678585	0.858131	0.79633	0.135505	0.385146	0.044612	0.133856	0.043042	1.136695	0.148432	0.130582
F2RL2	1	0.760678	0.222165	0	0	0.373697	2.814069	1.059022	0.50843	0	0	0.271308	0.876304	3.229924
F2RL3	1	0	0	0	0	0	0	0	0	0.06114	0.11796	0	0.03582	#DIV/0!
F3	1	15.80916	9.389972	11.23207	10.40375	14.03781	17.22763	19.28447	22.39425	12.51778	4.740397	12.17455	15.2329	1.251209
F5	5.75E-12	1.11338	0.811704	1.00341	1.141251	0.986718	4.926864	26.94702	42.64478	50.92763	18.16135	1.011293	28.72153	28.40081
F7	1	0	0	0.03617	0.039678	0	0.086672	0.234617	0.014268	0.171235	0	0.01517	0.101359	6.68168
F8	1	0.806189	0.805671	0.87793	0.981603	0.803167	0.381448	0.675857	0.713544	1.313112	0.436927	0.854912	0.704178	0.823684
F8A1	1	3.414356	3.469834	0.041939	0.018403	5.159047	4.803778	2.889076	2.650241	1.429551	1.391816	2.420716	2.632892	1.08765
FA2H	1	2.694952	5.258975	25.67737	36.89925	12.33394	14.03049	7.848162	3.193772	4.547727	1.53199	16.5729	6.230428	0.375941
FAAH	1	4.268526	3.668646	2.930755	4.309487	8.036479	5.08035	6.326699	11.47861	1.615439	3.862959	4.642778	5.672811	1.221857
FAAP100	1	0.294406	0.345021	0.752155	0.858378	0.542663	0.610475	0.389523	0.990574	0.516896	2.179219	0.558525	0.937338	1.678238
FAAP20	1	5.464715	4.197685	8.089406	6.233682	12.84746	0	0	0	0.134848	2.948564	7.36659	0.616682	0.083713
FAAP24	1	2.823986	3.111738	2.574771	3.547051	5.505723	18.43769	5.680396	2.94063	1.984328	2.529511	3.512654	6.314511	1.797647
FABP1	1	0	0	0.249595	0.091268	0	0	0	0	1.969378	0	0.068172	0.393876	5.777636
FABP12	1	0	0.216791	0	0	0	0	0	0	0	0	0.043358	0	0
FABP2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
FABP3	1	86.79293	68.89941	30.22284	32.36483	218.6136	173.2946	92.71124	11.63779	22.99508	22.22834	87.37872	64.57342	0.739006
FABP4	1	0.360593	0	0.131253	0	0	0.314517	0	0	0.621378	0	0.098369	0.187179	1.90282
FABP5	1	46.49866	26.8551	21.65646	20.0897	42.99309	8.199533	4.490245	5.114884	47.53271	31.57993	31.6186	19.38346	0.61304
FABP6	1	0	0	0.32107	0.088053	0	0	0	0	0	0	0.081825	0	0
FABP7	1	26.93847	50.72029	75.59153	30.06108	56.78079	152.6757	51.07299	98.08869	95.89906	16.2038	48.01843	82.78805	1.724089
FABP9	1	0.033718	0	0	0	0	0	0	0	0	0	0.006744	0	0
FADD	1	2.416902	2.754462	5.714252	6.215366	2.587368	1.160407	1.649108	2.234931	4.011998	4.201995	3.93767	2.651688	0.673416
FADS1	1	15.91438	13.52324	16.0304	15.5998	6.890136	15.21226	14.53746	21.76924	26.8509	18.14751	13.59159	19.30348	1.420251
FADS2	1	27.8283	24.91998	38.74113	44.03727	46.94783	37.3872	28.80509	31.64776	30.47907	42.58142	36.4949	34.18011	0.936572
FADS3	1	7.033726	6.27468	6.044567	10.75642	9.684787	9.964781	10.59066	14.8169	11.29583	18.69746	7.958837	13.07313	1.642593
FADS6	1	1.945263	2.607708	11.15581	6.755956	6.532044	17.28436	14.45268	5.02742	1.374603	11.63193	5.799356	9.954198	1.716432
FAF1	1	12.50824	12.38606	9.445488	10.00677	15.77588	22.09121	23.49498	20.67081	17.99388	14.69905	12.02449	19.78998	1.645807
FAF2	1	12.00523	10.49496	8.985666	7.397964	5.295972	9.240611	14.2902	15.08765	11.74868	11.96559	8.835959	12.46654	1.410888
FAH	1	1.688461	1.0414	1.021163	2.053714	2.572929	10.67149	7.396582	8.727462	3.021484	6.088565	1.675533	7.181118	4.28587
FAHD1	1	11.04894	13.26074	7.622797	9.109757	23.74191	2.177424	3.683855	3.016831	4.062858	4.899152	12.95683	3.568024	0.275378
FAHD2A	1	6.578217	6.415078	7.596821	8.568876	22.685	25.61762	36.30206	23.01845	5.800768	17.20719	10.3688	21.58922	2.082133
FAIM	1	7.826985	7.972701	3.902313	6.176925	14.75723	4.167266	7.242946	7.002138	11.14481	11.00936	8.12723	8.113304	0.998286
FAIM2	1	219.9051	223.112	272.0507	253.7382	297.0677	112.1216	210.8548	146.3154	148.1156	212.3895	253.1748	165.9594	0.655513
FAM101A	1	2.169085	2.963665	5.692433	2.726646	6.564426	7.894686	4.590228	0.069208	0.599893	3.041881	4.023251	3.239179	0.805115
FAM102A	1	9.266619	10.22578	16.98416	19.40182	19.88963	24.87472	16.41491	12.26357	14.47476	15.76276	15.1536	16.75814	1.105885
FAM102B	1	6.343619	7.618022	4.272574	4.539426	3.97182	15.28143	11.66305	13.0802	8.502898	3.944668	5.349092	10.49445	1.961912
FAM104A	1	6.354575	8.837233	7.577384	7.250701	3.991245	4.934061	7.372641	4.483441	5.653856	9.560369	6.802227	6.400873	0.940997
FAM107A	0.011458	31.69077	25.90912	77.67462	92.32799	70.15181	18.02304	6.120719	11.08908	9.601628	12.52257	59.55086	11.47141	0.192632
FAM107B	1	5.356874	10.15845	26.97766	38.50179	16.86844	13.07341	11.56341	12.61086	19.85129	9.548533	19.57264	13.3295	0.681027
FAM110A	1	0.471318	0.309219	0.490161	0.677506	1.205915	0.399348	0.22892	0.046404	0.023205	0.044771	0.630824	0.148529	0.235453
FAM110B	1	3.380401	3.422439	6.721658	5.268879	5.493312	3.394155	2.739632	6.003773	6.25865	22.43821	4.857338	8.166885	1.68135
FAM110C	1	0.242334	0.066058	0.620497	0.165165	0.090705	0.087463	0.150933	0.043193	0.064799	0.006946	0.236952	0.070667	0.298232

FAM110D	1	0.176346	0.219064	1.579047	1.848386	0.646037	0.599871	0.149891	0.022788	0.091165	0.263832	0.893776	0.225509	0.252311
FAM111B	1	1.582425	0.940548	0.040421	0.072054	0.64036	0.629576	0.609589	0.789238	1.148149	0.78454	0.655161	0.792218	1.209196
FAM114A1	1	4.003022	1.714404	2.363066	1.818527	1.752799	4.219968	2.150596	1.648063	3.424216	1.778143	2.330364	2.644197	1.134672
FAM114A2	1	11.02131	8.682984	7.670564	9.034224	6.472232	10.99988	12.79754	13.87608	9.824452	6.96093	8.576263	10.89178	1.269991
FAM117A	1	1.424104	0.845957	1.887685	1.676342	3.071535	2.886345	1.784203	4.467677	3.425717	5.952548	1.781125	3.703298	2.079191
FAM117B	1	4.836102	4.960035	3.475866	3.326144	2.131657	3.950049	3.410976	7.935219	6.020697	5.972638	3.745961	5.457916	1.457013
FAM118A	1	2.573087	2.666148	2.479541	2.179843	3.771996	5.025383	2.976221	3.70206	3.757452	3.245478	2.734123	3.741319	1.36838
FAM118B	1	8.119372	6.691372	7.346276	6.831459	15.86923	6.57604	7.51749	6.844799	8.194966	8.178603	8.971541	7.462379	0.831783
FAM120A	1	23.34859	17.37794	19.40682	20.79582	15.90161	34.54165	37.62037	34.42877	38.28145	30.94375	19.36616	35.1632	1.815704
FAM120B	1	2.304905	2.689147	2.884893	2.534663	1.586424	1.018185	1.293686	2.12437	1.722843	0.971807	2.400006	1.426178	0.594239
FAM120C	1	4.211183	4.458649	5.791507	5.28017	2.540218	4.055481	5.106264	6.155307	6.346095	3.884291	4.456345	5.109488	1.146565
FAM122A	1	0	0	0	0.027386	0	0	0.02429	0	0.472747	0	0.005477	0.099407	18.14938
FAM122B	1	8.537545	7.860709	6.033801	7.720488	9.444466	19.47291	11.89675	11.97074	9.329204	11.19952	7.919402	12.77382	1.612978
FAM124A	1	0.874236	0.88426	1.734971	1.14286	1.103677	0.29838	0.823853	0.049118	1.454096	0.524442	1.148001	0.629978	0.548761
FAM124B	1	0.049645	0.044852	0.108424	0.095152	0.026944	0.389717	0.189889	0.128306	0.05133	0.033011	0.065003	0.158451	2.437569
FAM126A	1	3.638008	4.061006	3.674604	5.805807	1.359179	3.531534	1.969291	1.643258	2.945891	0.69799	3.707721	2.157593	0.581919
FAM126B	1	6.23892	10.95153	10.59517	5.195394	3.159873	3.516704	9.570392	20.79069	12.96748	7.968637	7.228177	10.96278	1.516673
FAM129A	1	4.22453	1.539564	2.905325	3.048834	1.156095	6.444073	2.114276	1.399387	2.3587	1.736226	2.57487	2.810533	1.091524
FAM129B	1	6.747476	3.977786	13.20408	16.84249	10.68219	5.430616	3.21959	4.129832	4.558587	9.556344	10.2908	5.378994	0.522699
FAM129C	1	0.062687	0.339803	0.136905	0.300367	0.408265	0.656118	0.612746	2.446347	0.648133	1.750659	0.249605	1.222801	4.898936
FAM131A	1	20.50895	17.64945	11.75066	19.83602	53.54173	47.80163	60.4881	9.406612	9.260725	19.67697	24.65736	29.32681	1.189373
FAM131B	1	14.76	19.04757	24.454	24.64796	24.48215	11.33614	15.86216	33.16357	26.9656	43.40057	21.47834	26.14561	1.217301
FAM131C	1	4.242062	3.838155	5.745638	9.906741	7.583284	6.916946	1.979372	5.302757	1.041183	10.7973	6.263176	5.207511	0.831449
FAM133A	1	2.403671	4.04042	1.958941	2.124797	2.256305	3.92935	3.287332	3.451194	7.137848	1.717231	2.556827	3.904591	1.527124
FAM133B	1	13.25621	13.80049	9.295153	7.661019	15.33843	6.285308	8.501675	14.4722	18.08318	12.37823	11.87026	11.94412	1.006222
FAM135A	1	5.61857	6.959505	5.598381	5.232706	2.321114	6.748641	8.687586	11.1205	14.0497	10.82267	5.146055	10.28582	1.998778
FAM135B	1	2.072912	3.109922	6.687507	2.852397	2.141517	1.455512	2.078685	1.763349	1.317392	0.817626	3.372851	1.486513	0.440729
FAM136A	1	18.53573	18.99453	9.939917	13.32996	19.23485	4.183591	3.986313	2.616981	4.463291	3.047591	16.007	3.659553	0.228622
FAM13A	1	4.188705	3.687715	3.093516	2.393673	1.537534	0.873658	2.278946	7.164684	7.191878	3.98608	2.980229	4.299049	1.442523
FAM13B	1	8.542023	11.61724	5.867551	6.648389	11.35466	15.91017	18.5133	17.17605	8.107477	5.967289	8.805972	13.13486	1.491585
FAM13C	1	11.59937	10.30265	11.59544	12.3226	5.376069	13.97058	22.59583	8.921695	11.57301	4.034241	10.23923	12.21907	1.193359
FAM149A	1	14.90694	11.48465	7.657999	9.419038	10.53664	21.80283	14.99623	8.993626	11.35239	13.2402	10.80105	14.07706	1.303304
FAM149B1	1	3.631662	2.965524	3.730376	4.092193	2.707455	5.012486	5.189961	5.940917	7.262177	7.390391	3.425442	6.159186	1.79807
FAM151A	1	0.019086	0	0.187576	0.422971	0	0	0	0	0.444011	0.507644	0.125927	0.190331	1.511441
FAM151B	1	3.030214	2.373584	1.830474	1.660475	2.624363	7.018054	8.726971	5.115414	11.26555	4.822877	2.303822	7.389773	3.207614
FAM155A	0.703812	15.38181	18.06194	12.09623	15.92336	23.9521	8.205983	11.17823	9.294533	12.96979	7.382504	17.08309	9.806207	0.57403
FAM155B	1	1.337469	1.340821	3.699908	2.495975	2.496044	2.529613	2.832082	4.790744	2.959776	7.730912	2.274043	4.168625	1.833134
FAM160A1	1	0.238326	0.017649	0.793541	0.421214	0	0.204465	0.024906	0.23224	0.484745	0.155873	0.294146	0.220446	0.749444
FAM160A2	1	5.442091	5.286344	4.130097	4.015249	3.365818	5.008485	4.548877	3.498385	1.868188	3.164009	4.44792	3.617589	0.813322
FAM160B1	1	4.678951	6.849315	7.006666	4.357624	0.794675	6.232304	12.70819	16.54938	7.872191	6.977463	4.737446	10.06791	2.125176
FAM160B2	1	4.3473	4.09034	6.672764	6.67377	7.331697	2.372351	2.754962	5.717258	4.569785	5.772288	5.823174	4.237329	0.727667
FAM161A	1	2.134496	2.213414	1.480589	1.688519	3.096524	1.08895	1.968321	2.411293	7.078782	7.676705	2.122708	4.04481	1.905495
FAM161B	1	2.969023	3.058531	1.739671	2.060211	2.790457	1.117969	2.285098	3.350038	0.879747	0.782458	2.523578	1.683062	0.666935
FAM162A	1	26.15808	22.1633	20.78508	21.75545	57.07789	52.01669	29.49753	20.23028	40.32088	36.8837	29.58796	35.78982	1.209607
FAM162B	1	0.061837	0.079809	0.115757	0.021164	0.047945	0.323615	0	0	0.045668	0.044055	0.065303	0.082668	1.265915
FAM163A	1	0.196491	0.774064	2.534852	2.315436	1.066424	0.215226	0.067971	0.035429	1.181148	0.94192	1.377454	0.488339	0.354523

FAM163B	1	23.54861	18.06989	17.04009	30.14919	49.52544	1.443757	0.616288	1.627078	3.766594	25.56402	27.66664	6.603547	0.238683
FAM166A	1	0	0	0	0.034745	0	0	0	0	0	0.024108	0.006949	0.004822	0.693857
FAM166B	1	0.463571	0.473992	1.039783	1.110617	2.039965	0	0	0.01619	1.295402	0.6873	1.025586	0.399778	0.389805
FAM167A	0.026058	1.492882	2.403031	5.547266	13.26879	6.208024	1.012355	0.321698	0.293446	1.021775	0.699062	5.783999	0.669667	0.115779
FAM167B	1	0	0	0.085097	0	0.105737	0.509785	0	0	0	0	0.038167	0.101957	2.671356
FAM168A	1	38.32812	35.63357	42.12135	40.21214	44.26868	60.89432	69.36749	52.7238	47.73961	46.67301	40.11277	55.47965	1.383092
FAM168B	1	30.64036	34.41188	28.56731	30.82901	38.19639	32.6033	27.05	27.21552	30.86385	32.05554	32.52899	29.95764	0.920952
FAM169A	1	23.27146	27.96778	21.33344	20.05987	22.32152	8.507579	16.54843	25.50433	43.07071	31.14872	22.99081	24.95596	1.085475
FAM169B	1	0.035369	0.039942	0	0.127105	0	0.740388	0.225471	0.365636	0.091422	0	0.040483	0.284583	7.029677
FAM170A	1	0	0.147209	0	0.012011	0	0	0	0	0	0	0.031844	0	0
FAM170B	1	0.08505	0.068605	0.013268	0.007277	0.041214	0	0	0	0.015703	0	0.043083	0.003141	0.072896
FAM171A1	1	17.48013	15.24087	15.94989	26.24536	22.21076	12.75508	26.39135	10.65471	8.578623	8.189347	19.4254	13.31382	0.685382
FAM171A2	1	4.978489	6.285236	10.2061	16.37908	3.712059	3.441103	4.952687	5.507764	6.100394	26.97478	8.312192	9.395346	1.130309
FAM171B	1	52.18522	58.97771	27.04469	29.06404	25.02217	17.30918	64.85732	41.88871	51.97681	33.4544	38.45877	41.89728	1.089408
FAM172A	1	5.794025	5.028855	4.404797	5.316961	4.923883	39.95017	26.93588	10.13546	8.053492	4.452288	5.093704	17.90546	3.515214
FAM173A	1	11.73277	8.626728	18.98751	26.79478	23.42106	74.21183	17.3086	10.41661	15.49082	92.25712	17.91257	41.93699	2.341205
FAM173B	1	2.29015	2.109064	1.827767	1.82232	1.991394	2.696919	1.055639	0.948281	1.246797	1.610519	2.008139	1.511631	0.752752
FAM174A	1	7.636426	8.356971	6.145248	7.572891	20.92316	4.599329	9.102197	5.649738	10.76661	5.966561	10.12694	7.216886	0.712642
FAM174B	0.027214	6.28262	5.476311	11.17574	12.33993	16.14017	2.80418	1.565594	2.977374	2.493048	4.07509	10.28295	2.783057	0.270648
FAM177A1	1	13.50479	13.75742	10.66403	13.85647	21.12715	7.333138	8.264249	6.097289	5.950342	4.456617	14.58197	6.420327	0.440292
FAM177B	1	0	0	0	0	0	0.036497	0.029639	0	0	0	0	0.013227	#DIV/0!
FAM178B	1	0.057522	0.202999	0.219845	0.284233	0.019512	0	0.061116	0	0	0.179288	0.156822	0.048081	0.306594
FAM180A	1	0.159951	0.206976	4.868733	8.853701	0.515439	0.052317	0.240753	0.103346	0.637392	0.09417	2.92096	0.225596	0.077233
FAM180B	1	0	0.100598	1.296971	0.320123	0.443175	0	0.094644	0.07674	0.153503	0.1234	0.432173	0.089657	0.207457
FAM181A	1	0.695979	0.345352	0.667875	0.947396	0.858481	3.311168	1.971893	0.790346	2.28961	5.171211	0.703016	2.706845	3.850331
FAM181B	1	0	0	0	0	0	0.052956	0	0	0.104623	0.033642	0	0.038244	#DIV/0!
FAM183A	1	0.229035	0.330498	0.333469	0.701142	0.241705	0.266359	0	0	0.131559	0	0.36717	0.079584	0.216749
FAM184A	1	9.127612	9.281842	7.830591	6.506706	7.202744	4.449043	5.212641	3.97496	15.70086	10.66381	7.989899	8.000262	1.001297
FAM184B	1	0.911191	0.661509	36.12531	38.67525	0.961018	0.210378	0.280673	0.47989	6.739225	4.801867	15.46685	2.502406	0.161792
FAM185A	0.077562	4.360859	5.702075	5.451768	5.500433	1.548697	0.638372	1.157168	0.495402	0.765732	0.869035	4.512766	0.785142	0.173982
FAM186A	1	0	0.015436	0	0.002729	0	0	0	0	0	0	0.003633	0	0
FAM186B	1	0.307386	0.547591	0.45385	0.466753	0.446444	0.657056	0.165595	0.223781	0.246195	0.136741	0.444405	0.285874	0.643273
FAM187A	1	0.00486	0.043912	26.54834	31.43478	0.065949	0.050873	0.23755	0.07537	0.025127	0.177754	11.61957	0.113335	0.009754
FAM187B	1	0	0.019414	0.037544	0.010296	0.04665	0	0	0	0.08887	0.014288	0.022781	0.020632	0.905661
FAM189A1	1	3.164472	4.024056	2.770145	4.452508	8.844602	4.071747	3.028733	0.743491	0.777399	0.923832	4.651157	1.90904	0.410444
FAM189A2	1	1.765724	1.170058	2.661146	3.303829	3.207596	1.985586	1.969064	1.640566	1.584225	5.191219	2.42167	2.474132	1.021663
FAM189B	1	2.511694	2.817219	6.850597	8.876472	9.946297	4.2229	3.29652	2.907881	2.320768	3.939116	6.200456	3.337437	0.538257
FAM192A	1	2.210593	2.261964	2.407256	2.494439	4.209119	6.231789	5.119126	5.705261	4.687992	6.649052	2.716674	5.678644	2.090293
FAM193A	1	3.5896	4.43352	9.018039	8.918435	3.300053	3.335561	3.464879	7.175112	4.265265	5.414602	5.851929	4.731084	0.808466
FAM193B	1	3.956841	3.87988	7.626603	8.283076	11.39761	24.00336	13.76121	20.03713	14.07855	14.32485	7.028803	17.24102	2.45291
FAM196A	1	1.480487	1.618468	0.051687	0.078751	1.163164	0.743135	0.642603	0.108738	0.067971	0.253538	0.878511	0.363197	0.413423
FAM196B	1	0.99861	0.969458	0.191309	0.125919	0.047542	0.871009	0.614262	6.814353	0.090569	0.378602	0.466568	1.753759	3.758853
FAM198A	1	3.157031	0.71999	5.267585	5.244816	1.188144	3.256117	4.880417	5.796781	3.29591	9.691635	3.115514	5.384172	1.728181
FAM198B	1	2.253706	1.361128	1.622639	1.651465	0.089609	2.160143	2.964626	1.088107	0.341417	0.150954	1.395709	1.341049	0.960837
FAM199X	1	2.647525	8.408997	9.937969	7.39062	0.898064	3.340133	7.383938	6.139812	6.476764	4.715432	5.856635	5.611216	0.958096
FAM19A1	1	32.67274	28.86667	6.433551	8.5805	17.61481	23.15169	77.07136	3.633013	1.923639	0.15464	18.83365	21.18687	1.124947

FAM19A2	1	8.713313	13.06335	3.419771	4.585119	9.63412	9.105159	17.83589	0.401041	3.792212	1.735318	7.883135	6.573924	0.833923
FAM19A3	1	0.097019	0.054782	0.267646	0.37924	0.187066	0.774962	0.135632	0.072583	0.369566	0.267382	0.197151	0.324025	1.64354
FAM19A4	1	0.282592	0.353633	1.100896	1.042991	1.222832	0	0	0.039478	0.197418	0	0.800589	0.047379	0.059181
FAM19A5	1	10.28588	10.51822	12.66414	13.91639	20.39689	7.072726	6.946131	2.804577	11.25436	17.65191	13.5563	9.145941	0.674663
FAM200A	1	0.006264	0.003537	0.006841	0	0	0	0	0	0.032385	0	0.003328	0.006477	1.945936
FAM204A	1	73.04679	53.6522	28.59338	38.4152	109.281	133.9626	41.69919	26.44705	42.32144	65.59221	60.59772	62.0045	1.023215
FAM205A	1	0	0.009765	0	0	0	0.022626	0	0	0.067051	0.086243	0.001953	0.035184	18.0156
FAM205C	1	0.162881	0.151952	0.216529	0.110282	0.461223	0.111184	0.030097	0	0.07322	0.223673	0.220573	0.087635	0.397305
FAM206A	1	4.813692	5.393881	6.563763	7.932386	8.967969	24.40847	16.58876	11.92504	11.8623	16.21123	6.734338	16.19916	2.405457
FAM207A	1	1.00418	0.563182	6.179179	1.414221	1.555836	0.213049	0.223476	0.140284	0.26307	1.353472	2.14332	0.43867	0.204668
FAM208A	1	9.220002	13.65267	9.096694	7.67723	10.33368	5.192909	7.486551	13.16636	10.27149	7.06372	9.996055	8.636206	0.863961
FAM208B	1	8.083076	8.550767	9.329946	8.683324	3.808584	2.383177	3.402706	3.525923	3.811059	4.752974	7.691139	3.575168	0.464842
FAM209A	1	0.08915	0.805419	0	0	0	0	0	0	0.153624	0	0.178914	0.030725	0.17173
FAM20A	1	2.813454	1.986647	3.92229	7.981326	1.646719	2.052982	2.018866	0.237621	1.013999	1.008743	3.670087	1.266442	0.345071
FAM20B	1	30.34073	30.41058	22.00418	21.23155	22.81657	21.52247	19.98055	15.02599	18.37667	15.16184	25.36072	18.01351	0.710292
FAM20C	1	6.642773	6.396473	15.82196	18.03034	6.609135	4.53313	7.338656	9.62331	5.437525	15.29682	10.70014	8.445887	0.789325
FAM210A	1	5.997049	6.231817	4.613706	4.162481	5.009451	4.39125	6.565749	4.069293	4.184709	3.634822	5.202901	4.569165	0.878196
FAM210B	1	27.18713	23.27821	26.9283	13.32263	38.81883	6.187528	6.557074	16.70544	3.358366	17.11651	25.90702	9.984984	0.385416
FAM212A	1	0.790968	0.436236	0.723115	0.749182	0.748753	3.176743	1.055365	0.950796	0.760747	0.336357	0.689651	1.256002	1.821214
FAM212B	1	19.42539	18.39988	4.926509	12.93954	22.98153	12.27738	15.53059	2.565158	1.199469	2.421325	15.73457	6.798785	0.432092
FAM213A	1	51.06304	49.34817	49.09242	49.46071	54.51957	95.1755	61.85378	70.02092	94.12139	66.1082	50.69678	77.45596	1.527828
FAM213B	1	28.15974	19.98021	34.89708	46.93683	58.69474	5.453628	1.869939	1.376543	12.68999	59.82246	37.73372	16.24251	0.430451
FAM214A	1	9.234947	10.61613	11.53133	8.256372	5.228605	8.402824	10.56611	27.44029	28.58888	26.65733	8.973478	20.33108	2.265686
FAM214B	1	2.258331	1.935805	4.308166	4.95825	4.679341	12.81534	5.499875	2.549086	4.026384	11.23403	3.627979	7.224942	1.991451
FAM216A	1	3.803648	3.283597	3.175069	2.594498	5.362208	1.024788	3.328854	3.496585	4.969554	2.860608	3.643804	3.136078	0.86066
FAM216B	1.06E-07	1.634266	1.86047	1.49675	1.45247	2.64661	0	0	0	0	0	1.818113	0	0
FAM217A	0.00037	0.340568	0.112176	0.123964	0.067994	0.231047	2.562058	3.935058	3.410687	9.573322	2.606588	0.17515	4.417543	25.2215
FAM217B	1	4.603583	4.60951	2.65937	2.403802	2.975636	5.657245	3.564431	1.059714	3.340191	0.89333	3.45038	2.902982	0.841351
FAM219A	1	38.82537	32.94758	33.89498	38.73891	50.2738	34.0243	23.44052	11.14033	13.38087	33.37992	38.93613	23.07319	0.592591
FAM219B	1	15.70825	10.85949	15.95738	15.27127	26.59912	5.105341	4.554919	6.620393	7.719198	9.26674	16.8791	6.653318	0.394175
FAM21A	1	19.08197	17.6219	19.24088	21.72911	14.37539	19.98157	21.15035	24.56227	20.52793	16.03802	18.40985	20.45203	1.110929
FAM221A	1	0.691439	0.491644	0.503358	0.874285	0.729687	0.452316	0.21767	1.149957	1.919632	1.2239	0.658082	0.992695	1.508466
FAM221B	1	0.36959	0.860446	0.434631	0.33375	0.570908	0.029757	0.072495	0.073476	0.734865	0.869588	0.513865	0.356036	0.692859
FAM222A	1	0.922169	1.599693	0.934321	1.514638	3.547308	2.562265	1.848454	2.96069	0.909224	0.78228	1.703626	1.812583	1.063956
FAM222B	1	6.060609	5.752361	11.29279	10.61298	8.19473	3.080047	2.962797	3.331846	3.984309	3.756194	8.382694	3.423039	0.408346
FAM227A	0.194626	0.822294	0.972424	0.711566	0.743412	2.526153	0.121792	0.082421	0.100244	0.200517	0.11606	1.15517	0.124207	0.107523
FAM227B	1	0.027755	0.062688	0.060616	0.077578	0.050212	0	0.176934	0.095642	0.956555	0.70745	0.05577	0.387316	6.944931
FAM228A	0.000444	0.349141	0.920003	0.317713	0.331102	0.157909	1.141981	2.256634	2.36863	14.36426	4.618929	0.415174	4.950087	11.92293
FAM228B	1	1.852044	2.107864	0.789998	1.039946	3.376735	4.391847	5.442058	5.384814	6.283197	2.597665	1.833317	4.819916	2.629068
FAM229A	1	0.289341	0.77233	2.355301	2.45771	0.07138	0	0.111788	0	1.087847	4.853543	1.189212	1.210636	1.018015
FAM229B	1	7.442793	7.645843	4.35486	4.221753	23.40621	5.581703	1.625899	1.198472	2.037699	5.665868	9.414292	3.221928	0.342238
FAM234A	1	2.928129	3.375964	17.26628	31.59276	9.054719	1.532386	2.199449	3.009434	4.787632	4.539252	12.84357	3.21363	0.250213
FAM234B	1	36.8899	31.30887	29.09563	31.81343	47.03529	11.60491	18.18996	16.16738	10.25792	13.20561	35.22862	13.88516	0.394144
FAM237A	1	0.170117	0	0	0	0	0	0.361489	0	0	0	0.034023	0.072298	2.12495
FAM240A_1	1	0.05609	0.052786	0.102082	0.044793	0.025368	0	0	0	0	0.170941	0.056224	0.034188	0.608071
FAM240A_2	1	0.010946	0.001545	0.011953	0.001639	0	0	0	0	0.007073	0.020471	0.005217	0.005509	1.056004

FAM241A	1	1.460902	1.581772	0	0.081186	0.653923	1.261094	2.480275	1.673728	0.116789	0.025036	0.755557	1.111384	1.470948
FAM241B	1	7.928646	9.061528	11.38196	10.25901	33.1144	6.070148	4.86194	4.147504	13.38894	18.72677	14.34911	9.439061	0.657815
FAM24A	1	0	0.014627	0.028287	0.06982	0	0	0	0.066949	0.334794	0.021531	0.022547	0.084655	3.754619
FAM25A	1	0.226471	0.231397	0.494603	1.291846	1.09744	0.649035	0.217703	0.09755	0	0.286834	0.668351	0.250224	0.374391
FAM32A	1	54.67469	57.42842	36.45611	40.13365	83.82517	242.2109	121.1486	125.1808	65.45112	116.9334	54.50361	134.185	2.461947
FAM3A	1	5.083255	5.170877	7.627074	10.0712	13.68898	5.889067	5.222177	5.281696	6.151731	11.9333	8.328277	6.895594	0.827974
FAM3B	1	0.020638	0.07769	0.060098	0	0	3.528233	0.994056	0.302252	0.071128	0.320206	0.031685	1.043175	32.9231
FAM3C	1	29.93113	30.45563	10.69619	12.14631	13.11912	17.57799	72.58185	37.57215	41.22853	27.93678	19.26968	39.37946	2.043597
FAM3D	1	0	0	0	0	0	0.308495	0.125262	0.274227	0	0.23518	0	0.188633	#DIV/0!
FAM43A	1	3.32969	1.096456	2.67981	2.254745	1.939682	0.65462	0.443005	1.77034	1.632029	2.990316	2.260076	1.498062	0.662837
FAM43B	0.003544	2.647858	3.839257	6.102939	8.72826	15.41015	0.04949	0.120569	0.01222	0.391099	0.841025	7.345693	0.282881	0.03851
FAM45A	1	11.803	10.90647	7.716977	8.287617	9.487976	22.84287	20.12773	17.95718	24.90579	20.80517	9.640409	21.32775	2.212328
FAM46A	1	2.658014	1.240161	1.462053	1.29968	1.449754	1.535996	1.324441	8.889422	2.812978	0.208317	1.621932	2.954231	1.821426
FAM46B	1	0.201252	0.363641	0.685663	0.607519	0.480597	0.168515	0.051318	0.145635	0.707474	0.816299	0.467735	0.377848	0.807826
FAM46D	1	0	0	0	0	0	0.067136	0.02726	0	0	0	0	0.018879	#DIV/0!
FAM47E	1	1.634758	1.114491	0.756827	0.640723	2.003443	2.168375	1.50477	0.876139	0.311562	0.425785	1.230048	1.057326	0.859581
FAM49A	1	47.6633	40.6366	17.7427	19.33525	6.555681	27.52838	76.93963	24.0173	11.63271	12.33906	26.38671	30.49142	1.15556
FAM49B	1	28.1238	31.50549	14.30785	17.40319	27.62626	36.33679	47.50642	28.78209	23.4589	16.41967	23.79332	30.50077	1.281905
FAM50A	1	42.74399	33.7319	25.55363	28.60055	36.63119	19.60502	18.54786	24.91451	28.85598	25.78148	33.45225	23.54097	0.703719
FAM53A	1	0	0.023764	0.011489	0.018905	0.028552	0.082594	0.033536	0.040788	0.027196	0.244863	0.016542	0.085796	5.186494
FAM53B	1	1.978582	2.336524	6.895606	7.764366	2.812	0.800705	0.923635	0.512252	1.599897	1.942224	4.357416	1.155742	0.265236
FAM53C	1	9.869016	8.812888	11.89259	13.1442	11.80528	17.84771	12.56987	16.95937	13.06128	18.46257	11.10479	15.78016	1.421022
FAM55A	1	0	0	0.046452	0	0	0	0	0	0	0	0.00929	0	0
FAM57A	1	2.026479	1.69793	2.626897	2.897346	3.441433	7.902604	7.167681	16.185	7.468489	10.19298	2.538017	9.783352	3.854723
FAM57B	1	3.530674	3.903563	5.751686	5.146229	20.54686	14.12707	9.56613	10.40103	4.084432	11.2458	7.775801	9.884891	1.271238
FAM69A	1	17.20963	16.46362	11.58957	12.14545	16.43193	5.934426	21.63937	16.64547	50.99734	29.22417	14.76804	24.88816	1.685271
FAM69B	1	4.405497	6.264652	9.602823	10.44235	7.237789	15.38514	7.713697	4.845003	4.008722	22.48016	7.590622	10.88654	1.43421
FAM69C	1	4.783187	4.234421	4.658806	5.426798	8.474296	3.280053	6.729289	2.586047	10.45938	12.77684	5.515502	7.166322	1.299306
FAM71A	1	0	0.095323	0	0	0	0	0	0	0	0.056126	0.019065	0.011225	0.588798
FAM71B	1	0	0.164813	0	0	0	0.047735	0	0.023574	0.094308	0.136465	0.032963	0.060416	1.832876
FAM71C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
FAM71D	1	0.136754	1.158278	0.298665	0.218422	0.123702	0.11928	0	0	0	0.056833	0.387164	0.035222	0.090976
FAM71E1	1	0.731994	0.968356	0.959188	1.277698	0.851311	0.875604	0.444415	0.108103	0.540592	2.364105	0.957709	0.866564	0.904829
FAM71E2	1	0	0	0.045676	0	0	0.054725	0.022221	0.054051	0	0	0.009135	0.026199	2.867992
FAM71F1	1	0	0.210943	0	0.020341	0.046081	0.177733	0.252585	0.329146	0.395033	1.552536	0.055473	0.541407	9.759828
FAM71F2	3.36E-07	0.45006	0.700568	0.55787	0.407986	0.693179	0	0.258474	0.440112	0	0.202203	0.561932	0.180158	0.320604
FAM72A	1	0.365128	0.434833	0.304472	0.143144	0.522442	0.312682	0.564276	0.943654	0.720713	4.348079	0.354004	1.377881	3.892275
FAM76A	1	7.17432	5.672736	3.613807	3.751943	1.699907	6.432849	7.559746	7.117295	10.38726	8.13412	4.382543	7.926254	1.808597
FAM76B	1	4.012349	4.043197	3.763516	3.77115	3.280418	4.522633	4.984454	8.654701	11.35513	8.850395	3.774126	7.673463	2.033176
FAM78A	1	1.82307	2.169378	3.075235	3.31207	2.897472	1.952066	1.704133	1.192968	1.156985	0.720821	2.655445	1.345395	0.506655
FAM78B	1	3.403955	4.216117	3.338891	3.025299	5.558374	4.15513	5.63582	4.103965	1.593793	2.344841	3.908527	3.56671	0.912546
FAM81A	1	20.68531	21.12259	3.799619	5.923509	14.52104	18.52566	22.01844	2.411303	8.256369	11.19435	13.21041	12.48122	0.944802
FAM81B	1	0	0.279071	0.161908	0.044403	0	0	0.026256	0.063866	0	0	0.097076	0.018024	0.185671
FAM83A	1	0.017406	0	0	0	0	0	0	0	0	0.021701	0.003481	0.00434	1.24675
FAM83B	1	0.019948	0.005632	0.021783	0.023895	0	0	0	0	0.206246	0	0.014252	0.041249	2.894372
FAM83C	1	0.035002	0.022587	0.065522	0.023959	0.054276	0.444854	0.191254	0.529836	0.87888	0.04156	0.040269	0.417277	10.3622

FAM83D	1	0.589799	1.170368	1.619323	4.249191	1.120364	1.102361	0.787784	0.30486	0.435578	0.364164	1.749809	0.59895	0.342294
FAM83E	1	0	0.005349	0	0.011348	0	0	0	0	0	0	0.003339	0	0
FAM83F	1	0.02394	0.013518	0.039213	0.043016	0	0	0	0	0	0	0.023937	0	0
FAM83G	1	0.039851	0.065461	0.015824	0.030379	0.088481	0.037919	0.084682	0.018726	0	0.012045	0.047999	0.030674	0.639061
FAM83H	1	0.501397	0.420628	0.834309	1.312783	0.686792	0.274892	0.030441	0.012341	0.296233	0.500093	0.751182	0.2228	0.2966
FAM84A	1	14.32665	13.94562	9.818601	14.67813	15.10913	8.610941	16.73152	13.39094	16.00272	14.76047	13.57563	13.89932	1.023844
FAM84B	0.144752	3.871905	6.639521	15.82006	23.13075	6.600848	3.252539	2.216291	1.606244	2.271227	1.710039	11.21262	2.211268	0.197213
FAM89A	1	0.495291	0.332577	1.140165	0.865905	1.198752	0.070055	0.199115	0.103788	1.591645	2.692538	0.806538	0.931428	1.154847
FAM89B	1	10.12081	9.830369	22.75451	32.90706	99.86739	76.99109	32.37017	21.30284	12.32893	30.50153	35.09603	34.69891	0.988685
FAM8A1	1	7.358433	7.776256	8.580778	9.186614	0.696145	3.744921	11.24666	10.36364	8.166479	8.10241	6.719645	8.324821	1.238878
FAM91A1	1	13.315	13.55437	11.9807	12.18184	6.152515	13.80799	22.60961	21.22793	16.62154	9.091625	11.43689	16.67174	1.457716
FAM92A	1	23.05008	24.04538	11.63511	12.57024	46.00005	15.48928	24.85224	9.364565	19.19551	13.56747	23.46017	16.49381	0.703056
FAM92B	1	0	0	0.440311	0.278664	0	0	0	0	0	0.02578	0.143795	0.005156	0.035857
FAM96A	1	21.95382	16.42483	9.292848	14.61019	32.59977	18.23675	11.84781	9.290499	13.36889	13.14049	18.97629	13.17689	0.694387
FAM96B	1	13.37326	14.00985	9.928533	9.669003	42.87258	21.29425	11.46276	7.741436	7.399971	10.48748	17.97064	11.67718	0.649792
FAM98A	1	23.68716	24.40561	15.77798	17.3995	22.45921	24.73459	44.93742	27.63132	26.68733	15.56403	20.74589	27.91094	1.345372
FAM98B	1	9.037416	11.29951	6.674577	8.530202	9.360943	13.4075	20.8544	18.40382	26.69724	23.49052	8.980529	20.5707	2.290589
FAM98C	1	1.997355	2.726222	3.514821	3.322125	5.966079	6.542407	8.122143	6.313298	5.794222	17.79569	3.50532	8.913552	2.542864
FAN1	1	12.62588	12.22078	13.08688	13.25541	10.15666	30.13218	11.19755	9.63588	10.02079	14.03472	12.26912	15.00422	1.222925
FANCA	1	1.422707	1.375284	2.149154	1.064725	2.819215	1.555549	1.490127	3.60978	3.476038	3.789777	1.766217	2.784254	1.576394
FANCB	1	0	0.024828	0	0.039504	0	0.028764	0.093435	0.099434	0.284139	0.036547	0.012866	0.108464	8.430007
FANCC	1	1.736319	1.741806	1.300997	1.344208	1.766925	0.45917	0.333633	0.775751	0.644563	0.161205	1.578051	0.474864	0.300918
FANCD2	1	0.369266	0.617181	0.282262	0.36272	0.921902	0.231899	0.745439	0.505804	4.21883	2.209837	0.510666	1.582362	3.098622
FANCD2OS	1	0	0.15769	0	0.146359	0.094731	0	0	0	0.992559	1.073553	0.079756	0.413223	5.18108
FANCE	1	1.677267	1.393005	3.022457	2.919179	3.306509	5.707466	9.90918	16.21177	10.69277	9.989928	2.463683	10.50222	4.262814
FANCF	1	2.279309	1.463322	1.363814	3.254003	3.219742	6.862898	8.061303	7.383604	4.358171	8.045077	2.316038	6.94221	2.997451
FANCG	1	5.697004	5.973374	10.46171	9.347901	10.77463	14.47575	10.56829	25.00879	16.12254	11.05378	8.450925	15.44583	1.827709
FANCI	2.66E-11	0.788616	0.725829	1.085053	0.699062	0.620613	26.22762	31.36201	75.56375	9.152545	3.906608	0.783834	29.24251	37.307
FANCL	1	6.381041	5.580306	1.683673	2.29203	9.804865	22.94324	10.71725	3.696771	7.730736	1.204336	5.148383	9.258466	1.798325
FANCM	1	4.15588	4.412773	3.677186	3.300418	1.85741	2.62984	3.050052	3.216966	1.149617	1.166613	3.480733	2.242617	0.644295
FANK1	1	1.898068	2.055753	0.581797	0.877562	2.530184	0.638978	0.54249	0.516363	2.983864	1.051741	1.588673	1.146687	0.721789
FAP	1	0.303734	0.114336	0	0.074116	0.183163	1.913334	2.37849	0.479712	2.558835	0.037401	0.13507	1.473554	10.90958
FAR1	1	17.55227	19.78265	19.83517	17.609	13.59541	10.74654	28.07243	38.94494	34.06915	14.61412	17.6749	25.28944	1.430811
FAR2	1	8.558147	7.543829	7.144336	7.503502	7.355084	10.39678	9.757956	2.974012	1.571405	0.848176	7.62098	5.109666	0.670474
FARP1	1	13.77855	10.38863	13.14153	13.13761	14.64578	13.7639	9.508527	20.49572	17.46919	20.38043	13.01842	16.32355	1.253881
FARP2	1	1.043084	1.108133	2.782983	2.141546	1.094299	1.069249	1.279629	1.889832	1.306398	2.976321	1.634009	1.704286	1.043009
FARS2	1	1.245876	1.229396	1.576211	1.7629	1.509916	1.666946	1.636434	1.010777	2.063535	4.859288	1.46486	2.247396	1.534205
FARSA	1	15.18498	12.49589	15.21298	18.14076	18.59614	24.73293	24.86635	15.87844	15.82764	71.49195	15.92615	30.55946	1.918823
FARSB	1	4.397618	3.621923	5.887154	5.609644	20.31664	37.99656	39.55303	28.80759	12.76568	20.73707	7.966596	27.97199	3.511159
FAS	1	0.518281	0.308052	0.565953	0.359437	0.203564	0.285509	0.246348	0.264369	0.49356	0.034009	0.391058	0.264759	0.677033
FASLG	1	0.029457	0.038018	0	0.040327	0	0.044045	0	0	0.021755	0	0.02156	0.01316	0.610373
FASN	1	25.69777	21.52385	50.57986	46.1748	9.062516	16.15003	19.73531	23.42352	18.84454	35.81936	30.60776	22.79455	0.744731
FASTK	1	9.119462	7.909372	11.49469	14.19515	26.58559	29.34414	14.68329	14.32979	15.19394	39.84806	13.86085	22.67984	1.636252
FASTKD1	1	3.060133	3.017918	3.006386	2.461874	3.200667	3.229993	6.454563	7.72501	2.72294	1.03673	2.949396	4.233847	1.435497
FASTKD2	1	5.442623	4.821883	3.900773	3.636331	4.493253	4.693682	7.932817	7.211377	7.806857	4.434527	4.458972	6.415852	1.438863
FASTKD3	1	1.750359	1.549298	1.188141	0.92559	0.492107	1.402914	2.61365	3.199196	1.589641	2.411627	1.181099	2.243406	1.899422

FASTKD5	1	0.161681	0.073035	0.141242	0.147194	0	0	0.329822	0.43457	0.267467	0.032252	0.104631	0.212822	2.034034
FAT1	1	3.780215	3.1375	11.79605	5.999928	1.356607	2.922377	2.382255	15.96037	15.32485	15.91328	5.21406	10.50063	2.013906
FAT2	1	0.910304	0.005719	31.72615	0.054598	0.013743	0	0.010761	109.147	60.8631	80.28113	6.542103	50.06039	7.652034
FAT3	1	5.58613	6.107227	5.610289	6.572224	3.554268	1.918001	5.790669	0.471413	1.794251	0.494131	5.486028	2.093693	0.381641
FAT4	1	1.120083	0.531522	0.762107	0.616198	0.291568	1.448024	1.624462	0.869912	1.160051	0.643306	0.664296	1.149151	1.729878
FATE1	1	0	0.309908	0.074916	0.14382	0.093087	0	0	0	0	0	0.124346	0	0
FAU	1	133.3838	122.0655	125.3768	149.0596	805.6952	936.5095	252.6456	344.7229	149.9629	618.8864	267.1162	460.5454	1.724139
FAXC	1	8.763805	14.05069	13.76479	11.60775	16.16689	14.54336	14.31917	11.45387	9.53063	14.52308	12.87079	12.87402	1.000251
FAXDC2	1	0.007364	0.004158	6.955391	10.47472	0	3.795813	4.24824	3.577795	14.46553	16.29247	3.488327	8.475969	2.429809
FBF1	1	2.613963	2.611353	5.635604	6.797758	4.668331	2.835328	1.643812	2.432319	5.096341	6.708257	4.465402	3.743211	0.83827
FBH1	1	9.503905	8.395769	9.830695	10.84911	5.193021	9.394382	13.61709	10.46042	4.780102	5.579641	8.7545	8.766327	1.001351
FBL	1	12.03818	9.453208	7.255144	7.013231	24.05447	34.51216	24.67193	19.59376	24.48513	33.05174	11.96285	27.26295	2.278968
FBLIM1	1	2.014298	0.762598	4.109234	3.449986	2.302359	0.81553	0.760394	0.357995	1.223327	1.256863	2.527695	0.882822	0.34926
FBLL1	1	4.146946	3.922656	3.057627	3.327656	4.220043	3.941662	2.344232	0.973281	1.626189	4.382155	3.734985	2.653504	0.710446
FBLN1	1	41.6341	1.307678	14.90354	13.16965	1.553492	6.162056	3.704696	5.026982	6.961449	1.946524	14.51369	4.760342	0.32799
FBLN2	1	3.287643	1.866304	5.490652	7.492147	1.90836	0.460035	1.1301	0.658837	2.681175	5.034084	4.009021	1.992846	0.497091
FBLN5	1	6.222656	2.486468	8.699268	6.402094	4.323695	0.919179	2.692552	3.047818	18.32199	3.722636	5.626836	5.740836	1.02026
FBLN7	1	1.022261	0.400717	0.811847	1.244801	1.834103	0.574775	0.915578	0.262014	2.140093	3.84809	1.062746	1.54811	1.456708
FBN1	1	4.690459	3.288289	4.092521	3.449221	2.527069	1.983271	3.132136	2.185249	5.788798	2.488237	3.609512	3.115538	0.863147
FBN2	1	0.252141	0.061901	0.34716	0.157585	0.044624	0.124304	0.089298	0.037777	0.066119	0.179199	0.172682	0.099339	0.575272
FBN3	1	1.014669	1.319684	0.979355	0.942328	0.948764	0.218768	0.62584	0.437059	1.247519	0.58435	1.04096	0.622707	0.598205
FBP1	1	0.344741	0.406245	0.261878	0.538647	0.976188	2.902315	1.242162	3.060264	9.298358	1.320562	0.50554	3.564732	7.051339
FBP2	1	0	0	0.032019	0	0	0.306906	0	0	3.486461	2.875855	0.006404	1.333844	208.2876
FBRS	1	3.429614	3.732171	8.805979	10.47577	5.359659	7.183049	5.015068	8.568802	6.284702	13.57138	6.360639	8.124599	1.277324
FBRSL1	1	3.491243	4.404987	8.948946	9.058216	10.00858	4.790027	2.978976	5.928777	4.831558	7.395752	7.182394	5.185018	0.721907
FBXL12	1	0.917189	0.73638	1.158045	1.236032	2.41117	0.337497	0.715641	0.481492	0.963124	1.477028	1.291763	0.794957	0.615404
FBXL13	1	0	0.023496	0.030293	0	0.03764	0	0	0	0	0.023058	0.018286	0.004612	0.25219
FBXL14	1	2.072611	2.523472	0.127308	0.062069	4.230007	3.253996	2.904016	2.159358	0	0.046656	1.803093	1.672805	0.927742
FBXL15	1	3.443161	3.240319	6.266441	5.436896	5.76897	5.528616	2.688276	3.40441	3.708312	15.45828	4.831157	6.157579	1.274556
FBXL16	1	116.7418	84.98929	83.51403	173.8925	255.4034	495.5082	129.4643	32.81246	46.98107	112.3718	142.9082	163.4276	1.143584
FBXL17	1	37.48232	32.79196	24.09992	25.69987	22.66914	28.72926	37.53654	18.76643	18.78969	15.17423	28.54864	23.79923	0.833638
FBXL18	0.146491	4.637364	4.141353	6.363097	9.79512	2.842132	1.459547	0.573723	0.398733	0.567511	1.795278	5.555813	0.958958	0.172605
FBXL19	1	6.625066	6.89165	11.31458	16.13207	4.026379	8.745177	7.499851	9.108859	6.956868	12.02916	8.997949	8.867983	0.985556
FBXL2	1	7.324001	7.138648	5.016112	7.620907	11.85877	6.134042	7.918338	2.013666	2.767005	1.599297	7.791688	4.08647	0.524465
FBXL20	1	7.313127	8.275833	8.30159	7.759555	5.909001	6.439665	6.334097	10.0828	7.817259	5.523844	7.511821	7.239532	0.963752
FBXL21	1	1.646986	1.055781	0.505672	0.748347	1.956094	0.411528	0.176381	0	0	0.014524	1.182576	0.120486	0.101885
FBXL22	1	0.110152	0	0.240567	0.098963	0	0	0	0	0.142361	0.228886	0.089936	0.07425	0.825579
FBXL3	1	20.05424	19.87443	14.48293	16.16649	9.363218	18.51082	50.31468	44.92872	59.45752	33.4127	15.98826	41.32489	2.584702
FBXL4	1	5.819326	6.759564	3.489104	4.243178	4.256903	4.161476	7.649883	7.435785	8.595374	4.470313	4.913615	6.462566	1.315237
FBXL5	1	37.50534	32.20339	27.39467	24.8704	28.23836	30.80475	45.9826	54.54868	43.16567	39.5253	30.04243	42.8054	1.424831
FBXL6	1	0.927685	0.609341	1.839963	1.258681	2.13211	6.786921	2.816119	6.311912	4.208554	7.993853	1.353556	5.623472	4.154591
FBXL7	1	2.31249	2.76283	3.001913	2.257517	2.557054	1.719166	1.083819	0.569722	0.916158	0.582009	2.578361	0.974175	0.377827
FBXL8	1	0.153606	0.219726	0.805126	1.324826	0.694726	0.160774	0.02176	0.264657	0	1.242675	0.639602	0.337973	0.528412
FBXO10	1	2.09534	2.48394	1.651793	1.271176	3.340431	2.403142	3.411117	9.005531	2.912511	1.610077	2.168536	3.868476	1.783911
FBXO11	1	30.73199	29.52101	21.85499	19.03019	21.32606	32.00169	40.68456	45.72652	53.0119	42.28618	24.49285	42.74217	1.745088
FBXO15	7.78E-09	1.985357	2.041292	1.359026	2.90359	3.650705	0.093045	0.163714	0.122532	0.030638	0.029555	2.387994	0.087897	0.036808

FBXO16	1	2.0923	2.601116	1.273572	1.140847	1.956221	1.686927	2.166973	1.560127	0.848348	0.41406	1.812811	1.335287	0.736583
FBXO17	1	0.381338	0.260182	3.938576	4.777388	1.530679	4.44867	1.434948	1.047142	2.382082	2.87901	2.177632	2.43837	1.119734
FBXO2	1	12.04687	14.92556	12.34321	21.73798	18.09589	5.892613	7.015334	5.339758	15.88032	51.80936	15.8299	17.18748	1.08576
FBXO21	1	16.9649	17.3248	16.8191	16.32178	19.65139	19.80889	20.91597	25.66913	24.06021	20.21921	17.4164	22.13468	1.27091
FBXO22	1	11.75014	10.96282	3.967844	3.96636	10.26888	12.26472	14.93996	8.279541	5.168519	5.289723	8.183209	9.188492	1.122847
FBXO24	1	0.085679	0.077406	0.523936	0.379748	0.093002	2.735163	1.438305	2.568623	0.265758	0.227884	0.231954	1.447147	6.238929
FBXO25	1	12.69303	14.0041	9.251273	10.28329	23.51924	8.985073	12.50623	11.72278	9.728415	8.474914	13.95019	10.28348	0.737157
FBXO28	1	6.956394	9.417705	3.986896	3.412728	1.989066	6.224329	15.2228	10.40103	6.148579	2.87372	5.152558	8.174091	1.586414
FBXO3	1	36.4069	34.59355	22.64594	22.25222	22.13749	37.3343	77.86755	70.78564	48.98977	31.08394	27.60722	53.21224	1.927475
FBXO30	1	2.807804	2.782855	4.074641	3.204129	1.062714	2.184789	3.3836	4.969822	9.253522	2.198641	2.786428	4.398075	1.578391
FBXO31	0.875883	5.407736	6.103512	13.16138	13.10695	14.85021	4.026815	4.15304	3.269283	2.116194	3.67867	10.52596	3.4488	0.327647
FBXO32_1	1	0	0	0	0.212241	0.160268	0	0	0	0	0	0.074502	0	0
FBXO32_2	1	7.680321	10.6253	18.07606	18.53164	4.954485	6.115038	12.15616	3.177155	4.467541	1.881703	11.97356	5.55952	0.464316
FBXO33	1	6.104758	8.760387	5.265085	5.98536	1.582768	3.968089	14.35629	9.82319	7.638579	6.479946	5.539672	8.453219	1.525942
FBXO34	1	21.13983	17.20736	8.555346	9.63448	10.94903	14.91475	33.94314	16.96558	13.27095	11.19629	13.49721	18.05814	1.337917
FBXO36	1	0.282688	0.337588	0.503838	0.688937	0.573137	0.357096	0.497129	0.302314	1.075049	0.766999	0.477238	0.599717	1.256642
FBXO38	1	10.20013	10.38738	7.639143	7.572196	5.904056	9.252371	12.16118	16.14983	10.91257	12.97828	8.34058	12.29085	1.47362
FBXO39	7.83E-12	0	0.036993	0	0.02616	0	3.885745	5.986264	10.2438	8.128495	9.7109	0.012631	7.591041	601.0044
FBXO4	1	4.343623	3.963578	2.881227	3.115956	8.882591	2.670475	1.63971	3.248741	1.608521	3.206835	4.637395	2.474856	0.533674
FBXO40	1	0.06224	0.091374	0.890338	1.073617	0.160454	0	0.059515	0.016086	0.868746	0.191407	0.455605	0.227151	0.49857
FBXO41	1	15.57257	15.64822	19.06509	21.72822	16.07484	23.98592	11.68148	8.043774	4.656149	10.95007	17.61779	11.86348	0.673381
FBXO42	1	4.948595	5.249588	8.334417	8.417063	3.887301	5.007663	9.781595	9.438374	6.820034	8.998012	6.167393	8.009135	1.298626
FBXO43	1	0.022744	0.038527	0	0	0	0.327324	0.024165	0.02939	0	0.018904	0.012254	0.079957	6.52479
FBXO44	1	33.84716	29.55837	21.15973	35.1537	134.4028	32.44684	39.29386	23.91869	22.47375	73.39275	50.82434	38.30518	0.753678
FBXO45	1	9.39044	8.46118	9.417843	6.043212	1.129546	8.364809	16.20395	18.6321	21.94862	21.61604	6.888444	17.3531	2.519161
FBXO46	1	1.202837	1.559918	0.336378	0.172787	1.877523	0.806047	0.805234	1.04254	0.151664	0.292612	1.029889	0.619619	0.601637
FBXO47	1	0.655776	0.545885	0.354356	0.340135	0.376093	0	0	0.017472	0.157274	0.084287	0.454449	0.051807	0.113999
FBXO48	1	1.153507	1.163543	0.75821	0.643936	1.200431	1.260083	1.523041	1.534001	1.128958	0.539882	0.983925	1.197193	1.216752
FBXO5	1	0.557848	0.918722	0.329961	0.584712	0.189227	1.946267	1.284182	3.664388	1.381855	1.081884	0.516094	1.871715	3.626694
FBXO6	1	6.241946	6.477184	5.265333	7.398064	22.67441	18.20547	12.37489	12.0634	6.430956	5.325349	9.611387	10.88001	1.131992
FBXO7	1	7.506994	7.394532	8.4959	8.183827	6.70326	14.86215	14.16436	17.73961	12.68684	14.91082	7.656903	14.87276	1.942399
FBXO8	1	5.17976	3.289562	5.173501	5.716022	8.058458	12.33771	7.394017	11.01408	13.18366	13.32082	5.483461	11.45006	2.088108
FBXO9	1	31.21917	32.81393	26.55116	25.24085	34.00756	56.53924	51.57703	40.19907	38.55447	36.414	29.96653	44.65676	1.490221
FBXW11	1	13.08743	11.78141	12.85299	12.08754	4.49027	9.990062	21.91155	17.93519	12.75577	13.25433	10.85993	15.16938	1.396821
FBXW12	1	3.821128	3.214958	4.572503	4.221385	8.32543	1.844228	1.350837	2.142963	1.500292	3.101333	4.831081	1.987931	0.411488
FBXW2	1	6.249514	6.628495	6.721349	6.472591	5.960193	8.292791	8.498221	7.598663	8.693411	6.218035	6.406428	7.860224	1.226928
FBXW4	1	7.040879	7.078601	6.154211	7.358908	13.30262	4.983771	2.720275	7.161692	4.398524	6.851291	8.187044	5.223111	0.637973
FBXW5	1	6.162835	6.882035	14.46102	15.01894	9.334274	11.04073	6.176304	4.622678	11.58801	17.63039	10.37182	10.21162	0.984555
FBXW7	1	66.95526	72.76052	23.11527	25.92337	74.86679	41.55323	66.11294	26.2169	34.11852	24.71873	52.72424	38.54406	0.73105
FBXW8	1	10.62147	10.50893	16.1756	19.45071	14.17232	5.679249	12.92808	12.51579	17.46154	17.02504	14.18581	13.12194	0.925005
FBXW9	1	0.980994	0.867324	1.268558	2.087397	3.345134	5.809374	3.126846	1.501179	1.434669	3.733536	1.709882	3.121121	1.825343
FCAMR	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
FCAR	1	0.016156	0	0.035283	0	0	0.084548	0	0	0	0.013428	0.010288	0.019595	1.904701
FCER1A	1	0.580353	0	0.070415	0.038622	0	0	0	0	0	0.026798	0.137878	0.00536	0.038873
FCER1G	1	5.365966	4.544862	10.69107	10.3184	19.09596	42.24595	7.701626	3.162885	2.920011	0.899827	10.00325	11.38606	1.138236
FCER2	1	1.259391	0.086949	0.120107	0.724663	0.149239	0	0	0	0	0.027426	0.46807	0.005485	0.011719

FCF1	1	11.09296	11.32568	6.623094	7.297348	17.32526	23.94515	14.01882	14.85019	20.90331	26.17888	10.73287	19.97927	1.861504
FCGBP	1	0.018858	0.025556	0.11532	0.237196	0.051175	0.197382	0.332604	0.887031	0.214478	1.520408	0.089621	0.630381	7.033848
FCGR1A	2.44E-06	2.405109	2.255999	1.176826	0.661228	3.459495	0	0	0	0	0	1.991732	0	0
FCGR2A	1	0.260168	0.201994	0.236749	0.577858	0.235337	1.588469	0.518291	0.182105	1.7933	0.234263	0.302421	0.863286	2.854582
FCGR2B	1	1.869958	1.495279	1.166833	1.25218	0.598848	1.884281	0.888499	0.600348	1.681218	0.695067	1.27662	1.149883	0.900724
FCGR3A	1	1.17612	0.585663	0.343828	0.266243	0.3267	9.692949	3.325702	2.10619	1.292623	0.600386	0.539711	3.40357	6.306286
FCGRT	1	3.717434	1.552158	4.714101	4.320493	5.106526	48.51569	11.46681	16.18732	14.63985	13.04926	3.882142	20.77179	5.350599
FCHO1	1	7.932476	8.952775	9.950427	15.64369	8.446469	15.88748	10.45609	6.296569	4.462785	10.97805	10.18517	9.616195	0.944137
FCHO2	1	1.4071	1.088791	1.892203	0.788154	0.194456	1.227303	1.550379	1.986645	3.300331	1.202022	1.074141	1.853336	1.725412
FCHSD1	1	0.911653	0.864242	1.296899	1.628076	1.895163	3.764257	2.354873	4.182643	2.226744	3.114362	1.319207	3.128576	2.371559
FCHSD2	1	6.918644	6.197656	6.118658	5.669599	3.526365	14.16274	14.98888	11.99588	11.05261	9.202197	5.686184	12.28046	2.159701
FCMR	0.073173	1.086705	0.840875	0.50543	0.825652	2.075194	0.078987	0.053454	0.013002	0.026009	0.167265	1.066771	0.067743	0.063503
FCN1	1	0.090792	0.058589	0.283265	0.838995	0.211181	0	0	0.100562	0.268205	0.129365	0.296564	0.099627	0.335936
FCN3	1	0	0	0.036122	0.019813	0.044883	0	0	0	0	0	0.020164	0	0
FCRL1	1	0.316358	0.287555	0.151664	0.221832	0.083755	0	0	0	1.116898	0.012827	0.212233	0.225945	1.064608
FCRL3	1	0	0	0	0.00553	0	0	0	0	0	0	0.001106	0	0
FCRL4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
FCRL5	1	0	0	0.020136	0.044178	0	0.048251	0	0	0	0.030653	0.012863	0.015781	1.226858
FCRL6	1	0.104049	0.082252	0.045448	0.12464	0.282355	0	0	0	1.828849	3.234436	0.127749	1.012657	7.926931
FCRLA	1	0.064861	0.065109	0	0	0.156455	0.150862	0.49005	0.353885	0	0	0.057285	0.198959	3.473147
FCRLB	1	0	0	0	0	0	0.313514	0.06365	0	0.154849	0.995856	0	0.305574	#DIV/0!
FDCSP	1	0	0	0	0.049229	0	0	0	0	0	0	0.009846	0	0
FDFT1	1	27.0099	21.12835	15.46519	15.34888	23.03535	7.20434	21.62372	18.9191	12.83825	20.95914	20.39753	16.30891	0.799553
FDPS	1	12.66414	9.384353	9.26577	8.798386	27.31125	19.15648	19.36957	7.234344	7.70951	13.95956	13.48478	13.48589	1.000082
FDX1	1	19.90721	14.84951	10.26848	9.695576	20.57797	7.333791	5.593859	6.261891	10.1559	5.094492	15.05975	6.887985	0.457377
FDX2	1	14.3267	10.2903	8.689729	11.56596	44.81099	20.11213	11.83113	4.176454	2.878311	12.25778	17.93674	10.25116	0.571518
FDXACB1	0.216307	1.073193	0.786872	0.682154	0.661973	0.391204	2.850099	4.629037	2.566621	11.26165	4.673028	0.719079	5.196088	7.22603
FDXR	1	4.397568	3.871033	9.35248	4.784745	7.764627	8.944273	5.549638	6.551157	6.651384	8.060401	6.034091	7.151371	1.185161
FECH	1	9.266811	8.291924	9.367868	7.919841	3.909175	4.838374	7.195852	5.917927	5.501972	7.094663	7.751124	6.109758	0.788242
FEM1A	0.015403	13.50629	11.56982	18.99685	22.57287	18.9234	1.09756	2.428821	3.048877	3.198398	6.475859	17.11385	3.249903	0.189899
FEM1B	1	15.53442	20.58946	19.24959	18.44889	3.660127	6.319884	12.49742	9.200962	15.44527	13.6873	15.4965	11.43017	0.737597
FEM1C	1	5.676695	6.875945	7.782288	8.887475	4.583397	2.888877	5.479858	7.495248	11.84081	5.088073	6.76116	6.558573	0.970037
FEN1	1	3.201611	3.927659	3.516907	6.460469	5.145643	6.183423	7.795405	6.919945	7.782992	6.842759	4.450458	7.104905	1.596444
FER	1	3.471844	3.650376	3.686601	3.945578	2.164495	1.27655	1.41508	1.152539	2.537501	0.982624	3.383779	1.472859	0.43527
FER1L5	1	0.019271	0.034199	0.096199	0.013191	0	0	0	0.220563	0.298871	0.022882	0.032572	0.108463	3.329965
FER1L6	1	0.169342	0.148742	0.123279	0.090157	0.072943	0.661152	0.416962	0.458497	0.013896	0.067025	0.120893	0.323506	2.675978
FERD3L	1	0.018819	0	0.027399	0.045085	0	0	0	0	0	0	0.018261	0	0
FERMT1	1	0.60366	0.62981	0.970374	0.491869	0.981218	0.176399	0.403707	2.225357	0.221776	0.091689	0.735386	0.623786	0.848242
FERMT2	1	21.99434	17.74167	20.95395	24.97821	21.37158	18.97928	27.40046	26.28599	40.23897	16.21206	21.40795	25.82335	1.206251
FERMT3	1	0.671278	0.572771	2.150201	2.689336	1.012016	3.317853	1.632473	0.944546	1.966485	0.272773	1.41912	1.626826	1.146362
FES	1	1.084257	0.575787	2.043788	2.566725	0.823148	5.606721	1.97485	1.884813	1.06766	0.547156	1.418741	2.21624	1.562118
FETUB	1	0.013088	0	0	0	0	0	0	0	2.368057	0.087025	0.002618	0.491016	187.5867
FEV	1	0.078254	0.147287	0.227871	0.09374	0	0	0	0	0	0	0.10943	0	0
FEZ1	1	113.9124	107.9963	94.35811	131.6797	110.4903	148.8266	150.721	159.5361	129.8839	153.8416	111.6874	148.5618	1.330158
FEZ2	1	11.36738	9.721801	12.10876	10.99041	11.97315	13.30865	14.7031	12.79641	17.51343	21.1968	11.2323	15.90368	1.415888
FEZF1	1	0	0	0.038369	0.042091	0	0.321799	0.186662	0.136215	0	0.029205	0.016092	0.134776	8.375363

FEZF2	1	4.751005	8.851232	1.543203	5.067506	17.48457	19.17073	12.88133	0	0	0.015455	7.539504	6.413504	0.850653
FFAR1	1	0	0	0	0	0	0	0	0	0	0.069147	0	0.013829	#DIV/0!
FFAR2	1	0.073708	0.016648	0	0	0	0.38574	0.031325	0.038099	0	0.049011	0.018071	0.100835	5.579865
FFAR3	1	0.101409	0.114521	0.398651	0.340135	0.715493	0	0	0	0	0	0.334042	0	0
FFAR4	1	0.611423	0.368258	0.044511	0.280761	0.08296	1.013263	2.750065	0.289701	0.89557	3.133867	0.277583	1.616493	5.823468
FGA	1	0.006104	0	0.01333	0	0	0	0	0	15.0195	0.43629	0.003887	3.091159	795.3076
FGB	1	0.14896	0.053831	0.130129	0.042825	0.161691	0	0	0.123193	23.22529	2.060209	0.107487	5.081739	47.27757
FGD1	1	4.440222	2.896864	4.521601	4.481822	5.535848	8.018289	6.013472	4.408477	3.051604	3.910628	4.375272	5.080494	1.161184
FGD2	1	0.679663	0.767547	2.181095	1.154783	1.016291	4.609448	3.360089	3.441403	6.417716	1.98296	1.159876	3.962323	3.416161
FGD3	1	1.777308	1.569818	1.127607	2.004139	3.314148	8.443858	3.344164	1.244567	7.750803	5.521078	1.958604	5.260894	2.686043
FGD4	1	5.992365	8.118087	6.698802	6.206285	3.158635	2.351257	6.368751	7.275573	4.723685	1.055691	6.034835	4.354992	0.721642
FGD5	1	0.85118	0.406547	1.352565	1.092715	0.571247	4.598199	0.914082	0.938277	0.883213	0.486863	0.854851	1.564127	1.829707
FGD6	1	1.52196	1.344712	2.726078	1.488685	0.393697	2.908054	0.360636	0.700375	0.933969	0.327627	1.495026	1.046132	0.699742
FGF1	1	49.47159	56.6206	2.194171	3.817981	38.09589	2.215929	10.99343	18.9616	2.586954	4.178462	30.04005	7.787274	0.25923
FGF10	1	2.070115	2.513284	2.18174	1.449307	2.19885	2.294514	8.750606	0.215151	0.516438	0.166064	2.082659	2.388555	1.146877
FGF11	1	4.811789	3.968273	7.506257	5.631573	9.405135	9.609789	5.628242	7.242826	0.869763	65.40477	6.264605	17.75108	2.833551
FGF12	1	20.3385	22.38036	13.53883	11.70384	14.21493	18.36147	22.73223	14.08091	16.41663	17.75355	16.43529	17.86896	1.087231
FGF14	1	7.934218	8.438916	6.007854	4.323678	8.67998	13.8891	14.05475	15.73403	15.05628	16.8722	7.076929	15.12127	2.1367
FGF16	1	0.079133	0.059577	0	0	0	0.828257	0.112102	0	0	0	0.027742	0.188072	6.77933
FGF17	1	0.140418	0.198218	0.536667	0.189231	0.309601	0.091857	0.167839	0.544353	0.090739	0.481431	0.274827	0.275244	1.001515
FGF18	1	0.303461	0.133272	0.147277	0.444295	0.182999	0.088228	0.64484	0.087142	0.348619	0.280252	0.242261	0.289816	1.196298
FGF19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
FGF2	1	6.371372	5.763902	0.497625	0.334358	5.804491	2.429587	2.118282	1.339693	1.001235	0.37877	3.75435	1.453513	0.387155
FGF20	1	0.198346	0.055998	0.541475	0.059399	0.067281	0.259502	0	2.210647	3.973335	0.473968	0.1845	1.38349	7.498602
FGF21	1	0.010416	0.023527	0.136495	0	0.056534	0	0.044269	0	0	0.017316	0.045394	0.012317	0.271331
FGF22	1	1.044146	1.194675	1.260206	1.415351	2.796185	0	0.058388	0	0.071024	0.890697	1.542113	0.204022	0.1323
FGF23	1	0.003442	0	0	0.008245	0	0	0	0	0.088959	0.045769	0.002337	0.026946	11.52806
FGF3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
FGF4	1	0	0.034154	0	0	0	0	0	0	0	0	0.006831	0	0
FGF5	1	0.420302	0.47465	0.144935	0.052998	0.660326	0.46307	0.094013	3.201572	0	4.449506	0.350642	1.641632	4.681787
FGF6	1	0.089861	0	0	0.143525	0	0.47027	0.954747	0.774133	2.167887	2.48964	0.046677	1.371335	29.3792
FGF7	1	0.236344	0.276437	0.073738	0.060667	0.045811	1.015995	1.022373	3.468567	0.087272	0.168378	0.138599	1.152517	8.315456
FGF8	1	0	0.045465	0	0.048226	0	0.210689	0.171097	0	0	0.033462	0.018738	0.08305	4.432105
FGF9	1	18.40365	16.27978	8.650582	8.779512	6.873347	4.512436	10.30634	13.37061	6.964875	11.60115	11.79737	9.351083	0.792641
FGFBP1	1	0	0	0	0	0	1.04375	0.776978	0	0	0	0	0.364146	#DIV/0!
FGFBP3	1	0	0.034656	1.843071	2.242398	0.333105	0.080299	0.19563	0.356898	0.079322	0.025507	0.890646	0.147531	0.165645
FGFR1	1	15.46805	6.393754	58.864	18.32978	6.267729	5.429062	4.107303	54.22914	51.58083	45.24391	21.06466	32.11805	1.524736
FGFR1OP	1	13.41764	13.31333	7.030642	9.046251	8.960334	6.159554	8.287217	9.701046	10.32736	10.42785	10.35364	8.980605	0.867386
FGFR1OP2	1	20.67646	19.47005	7.811533	11.05615	15.37068	7.764899	19.01315	12.83074	13.41591	7.193094	14.87697	12.04356	0.809544
FGFR2	1	18.50686	15.29729	20.6934	20.59716	20.3704	8.962582	12.77928	12.60742	12.2458	6.862546	19.09302	10.69153	0.55997
FGFR3	1	5.890563	5.350985	11.31252	10.44465	11.26065	2.817847	9.458419	7.820648	18.77971	26.95358	8.851873	13.16604	1.487373
FGFR4	1	0.134495	0.072905	0.79895	0.592887	0.175188	0	0	0	0.389363	0.044715	0.354885	0.086816	0.24463
FGFRL1	1	1.968711	1.849202	9.322599	11.1926	4.51139	0.948522	0.717156	0.258439	1.970886	2.327221	5.7689	1.244445	0.215716
FGG	1	0.037637	0.021252	0.184945	0.09017	0.051067	0	0	0	20.23526	0.719501	0.077014	4.190953	54.41785
FGGY	1	1.631598	1.549975	0.948186	1.585394	2.755386	15.1351	7.49957	6.840943	4.778496	3.562024	1.694108	7.563226	4.46443
FGL1	1	5.024324	6.20671	6.301048	6.79393	6.01341	2.640876	3.170295	2.693412	9.58427	0.638261	6.067884	3.745423	0.617253

FGL2	1	22.8892	6.162559	1.281772	0.598338	3.219207	14.76912	11.78148	10.71453	0.645548	0.020758	6.830215	7.586286	1.110695
FGR	1	1.294626	0.835445	1.384855	1.561374	0.896222	5.692091	1.244507	0.785259	0.523582	0.380644	1.194504	1.725216	1.444295
FH	1	35.61621	40.36513	25.94237	28.77478	42.21006	40.11276	58.62654	47.02209	42.20221	39.71988	34.58171	45.5367	1.316785
FHAD1	1	0.38177	0.339048	0.607115	0.683761	0.130757	0.387948	0.20478	0.364012	0.651485	0.449786	0.42849	0.411602	0.960586
FHDC1	1	1.17914	1.113839	4.591165	1.96536	1.904437	0.198525	0.691898	17.01816	0.653697	0.110355	2.150788	3.734527	1.736353
FHIT	1	0.8321	0.618054	0.804967	1.003457	4.273615	2.075035	1.471497	1.096907	0.923845	0.90049	1.506439	1.293555	0.858684
FHL2	1	7.269386	8.253616	7.724064	8.039013	27.78225	5.383455	4.99636	2.9371	6.634761	20.53653	11.81367	8.097642	0.685447
FHL3	1	2.280142	1.405664	3.512281	3.509874	5.201134	2.594072	0.397914	0.59783	0.398611	0.457773	3.181819	0.88924	0.279475
FHL5	1	1.163507	1.112684	0.932699	0.781471	0.419767	0.035197	0	0	0.191225	0.01118	0.882025	0.04752	0.053876
FHOD1	1	1.788197	0.960854	3.884357	6.518344	6.744043	6.892885	3.983692	2.000163	2.78324	2.005693	3.979159	3.533135	0.88791
FHOD3	1	9.94342	9.034096	3.503127	4.901536	5.163746	5.86805	12.28244	2.310396	2.310732	2.381949	6.509185	5.030713	0.772864
FIBCD1	0.043313	4.523686	3.484923	2.876516	9.813487	2.582408	0.360883	0.937815	0.071288	0.178246	0.492919	4.656204	0.40823	0.087674
FIBIN	1	10.67359	6.274554	5.219307	5.586628	8.742744	0.712412	2.485572	1.967585	4.14426	1.718153	7.299365	2.205596	0.302163
FIBP	1	22.71717	20.60244	18.01817	21.81892	47.73301	100.5669	30.18595	28.79253	27.10721	40.00904	26.17794	45.33233	1.7317
FICD	1	2.48819	2.237413	3.117932	2.896824	3.16259	0.945356	1.956417	1.189734	5.030745	1.113965	2.78059	2.047243	0.736262
FIG4	1	5.708369	7.335666	5.803535	7.559271	7.431106	7.786569	13.58166	16.89258	10.47522	9.392974	6.767589	11.6258	1.717864
FIGLA	1	0	0	0	0	0	0	0	0	0	0.136332	0	0.027266	#DIV/0!
FIGN	1	0.627925	0.711689	1.207397	1.384462	0.333388	0.631034	0.93305	1.058372	1.387845	0.601332	0.852972	0.922327	1.081309
FIGNL1	1	0.368876	0.675137	0.722272	1.455138	0.310658	2.629405	3.959759	5.687162	2.301498	2.558504	0.706416	3.427266	4.851624
FIGNL2	1	0.347698	0.290566	0.40246	0.47065	0.452898	0.272942	0.147768	0.215665	0.125823	0.260095	0.392854	0.204459	0.520444
FILIP1	1	5.919326	4.123739	1.52585	3.030955	1.089379	0.828229	0.516747	0.414003	0.907946	0.529372	3.13785	0.639259	0.203725
FILIP1L	1	1.220324	0.943181	0.028353	0.031103	1.479633	3.578172	2.234504	1.632849	0.089484	0.028774	0.740519	1.512757	2.042834
FIP1L1	1	11.49348	10.14112	7.069122	7.403857	8.783708	10.14473	9.383437	12.65562	11.79742	12.0179	8.978257	11.19982	1.247438
FIS1	1	84.92088	66.12017	55.09911	70.94212	97.51329	261.8516	72.63333	72.60493	75.73048	95.92372	74.91911	115.7488	1.544984
FITM1	1	0.614912	1.082831	1.638847	2.122406	1.244432	0	0	0	0.107758	0.710335	1.340686	0.163619	0.122041
FITM2	1	6.068562	6.221571	10.25706	11.6059	6.214911	3.258726	7.06443	17.96142	7.856708	9.631823	8.073601	9.154622	1.133896
FIZ1	1	5.712909	6.423693	7.378038	7.73222	10.73798	2.226136	0.683183	1.086579	1.866631	4.801826	7.596968	2.132871	0.280753
FJX1	1	6.002683	6.231893	6.664637	9.533538	17.15118	2.410069	3.509422	0.526696	1.436653	2.670602	9.116785	2.110688	0.231517
FKBP10	1	1.785955	0.512226	1.439454	1.222506	1.288552	3.560568	4.984788	4.560751	3.95689	5.56071	1.249739	4.524741	3.62055
FKBP11	1	1.842266	1.459227	1.06174	1.877346	6.683098	1.305577	0.543712	0.330641	0.529103	0.382808	2.584736	0.618368	0.239238
FKBP14	1	5.091384	2.49722	2.44758	2.64167	2.861373	5.202847	2.957602	3.161129	8.410137	3.846171	3.107845	4.715577	1.517314
FKBP15	1	11.32299	5.555304	6.944831	6.597724	5.399253	9.883816	11.79706	15.60802	7.901647	8.024059	7.164021	10.64292	1.485607
FKBP1A	1	157.6223	115.9548	74.33904	124.3931	250.5104	538.1365	260.57	60.40693	80.08183	93.91094	144.5639	206.6212	1.429272
FKBP1B	1	4.45366	4.371946	1.537253	1.70935	11.87739	12.08907	9.423011	4.101347	3.308019	1.244549	4.789921	6.0332	1.259561
FKBP2	1	37.44364	33.43293	31.00291	32.36347	74.45164	108.2894	41.18622	32.35874	27.42289	41.62679	41.73892	50.1768	1.202159
FKBP3	1	116.7098	114.9609	47.08854	62.32227	99.87267	178.4622	212.6384	66.92834	104.0254	60.01626	88.19082	124.4141	1.410738
FKBP4	1	60.26915	73.53927	91.17652	74.03235	94.51052	70.79443	81.58844	94.75938	99.08314	156.3389	78.70556	100.5129	1.277074
FKBP5	1	7.949771	5.349739	13.96292	27.46554	17.21412	21.91796	8.378937	2.345403	2.674149	18.75921	14.38842	10.81513	0.751655
FKBP6	1	0.921635	0.925163	1.051137	0.699213	0.111156	0	0	0	0.105878	0.017023	0.741661	0.02458	0.033142
FKBP7	1	8.281021	4.116584	2.985393	3.464805	4.515898	10.67881	9.808716	18.02259	8.602943	3.95191	4.67274	10.21299	2.185654
FKBP8	1	78.41764	70.58135	101.1295	144.8632	179.7428	152.0866	89.77634	60.53695	86.68986	211.1536	114.9469	120.0487	1.044384
FKBP9	1	16.69225	13.8396	17.42157	19.58358	4.302104	22.03655	20.78304	15.06654	21.59491	20.26029	14.36782	19.94826	1.388399
FKBPL	1	1.833194	2.154736	1.28007	1.478919	3.079567	4.76422	2.384966	1.8371	1.031504	1.202367	1.965297	2.244031	1.141828
FKRP	1	3.8185	5.704151	4.926474	5.866733	3.508744	2.117614	3.10333	2.259823	4.664569	7.430041	4.76492	3.915075	0.821645
FKTN	1	3.468578	4.574613	5.63844	5.110586	2.198518	4.391663	7.427793	7.116853	4.863087	4.780834	4.198147	5.716046	1.361564
FLAD1	1	2.723131	2.714097	3.555628	3.482585	5.285858	21.30048	12.4791	27.29956	5.961689	8.650768	3.55226	15.13832	4.261603

FLCN	1	9.415736	8.385981	10.66852	11.09724	17.96975	7.884101	8.660164	18.16003	19.17978	18.62366	11.50744	14.50155	1.260188
FLI1	1	2.262679	1.759001	2.855771	3.017583	1.948155	23.34724	4.467564	3.627934	3.910124	2.876937	2.368638	7.645959	3.227998
FLII	1	11.24582	9.49933	21.64412	22.14385	6.0887	11.52816	12.19933	15.21291	16.15433	40.71824	14.12437	19.1626	1.356705
FLNA	1	8.998901	4.472971	25.3697	23.7465	6.163717	8.298089	7.828156	12.53985	14.79504	21.57574	13.75036	13.00737	0.945966
FLNB	1	7.078467	5.34534	13.60827	15.30943	4.710751	4.690529	3.867192	5.319107	5.51168	3.388831	9.210452	4.555468	0.494598
FLNC	1	1.539626	0.98149	3.71692	3.962323	1.269058	2.0786	3.521198	1.330038	3.731272	5.381428	2.293884	3.208507	1.398723
FLOT1	1	61.01087	42.35305	48.0554	58.20892	66.7889	50.94727	60.77165	60.3238	66.04377	106.198	55.28343	68.8569	1.245525
FLOT2	1	13.47134	10.67597	11.10796	14.39592	11.25432	13.68997	7.395545	10.21635	10.94589	14.61171	12.1811	11.37189	0.933568
FLRT1	1	0.359567	0.367809	0	0.05306	0.11313	0.422708	0.775136	0.397301	0.02694	0.051976	0.178713	0.334812	1.873459
FLRT2	1	13.72245	14.17174	4.524903	6.504935	8.03558	3.662626	8.078867	0.835732	1.110491	0.165104	9.391921	2.770564	0.294994
FLRT3	1	5.313369	4.34166	0.194673	0.1857	2.261144	3.813013	11.03535	10.35667	0.62109	0.26414	2.459309	5.218052	2.121755
FLT1	1	6.605325	6.922913	11.14263	10.94495	3.923749	20.89924	5.39883	3.137806	3.64252	2.064044	7.907914	7.028489	0.888792
FLT3	1	2.393691	3.535843	2.966791	2.546773	3.014878	2.272826	3.873875	4.346113	2.793404	3.626534	2.891595	3.38255	1.169787
FLT3LG	1	1.03381	0.344259	1.1289	0.968488	2.158016	3.606844	1.577185	6.337016	5.138869	14.93805	1.126695	6.319593	5.608968
FLT4	1	0.039826	0.044976	0.124255	0.074969	0.061757	0.535946	0.151122	0.242617	0.294124	1.825349	0.069157	0.609832	8.818111
FLVCR1	1	3.752855	4.613176	6.056402	5.36081	0.473151	1.564241	3.140451	7.93948	6.009129	6.266101	4.051279	4.98388	1.230199
FLVCR2	1	0.985417	1.578337	2.939812	3.80359	1.275876	1.044884	0.287406	0.166454	0.499436	0.224836	2.116606	0.444603	0.210055
FLYWCH1	1	6.702457	7.406839	16.28758	16.11946	12.5288	1.793338	2.004425	1.466523	4.000191	13.14466	11.80903	4.481827	0.379525
FLYWCH2	1	2.162759	2.797297	4.138004	4.030064	8.000924	4.40161	2.945996	3.917446	4.825849	6.975355	4.22581	4.613251	1.091685
FMC1	1	5.226354	4.654542	10.67177	10.12897	46.69882	36.02356	20.0445	27.01443	30.09362	65.33616	15.47609	35.70245	2.306943
FMN1	1	2.085817	2.61832	0.707781	0.604214	0.800101	0.293297	0.99674	0.299132	0.491278	0.074936	1.363247	0.431077	0.316213
FMNL1	1	5.901224	5.490103	5.492761	7.001716	7.219002	5.073642	2.697053	0.895716	2.421206	3.176508	6.220961	2.852825	0.458583
FMNL2	1	19.06131	22.41619	29.79974	33.16823	15.61724	18.04696	33.56302	31.77765	26.46019	10.3647	24.01254	24.0425	1.001248
FMNL3	1	4.28864	3.916049	9.06739	10.16696	5.272621	13.4213	5.241927	3.303906	5.638678	2.37855	6.542332	5.996873	0.916626
FMO1	1	0.149773	0.003933	0.068463	0.025034	0	0	0	0	0.090032	0.02895	0.049441	0.023796	0.481312
FMO2	1	0.318072	0.024772	0.031938	0.013139	0	0	0	0	0	0	0.077584	0	0
FMO3	1	0.120556	0	0.20687	0.02063	0	0.09013	0	0	2.804536	0.042944	0.069611	0.587522	8.440037
FMO4	1	1.086349	0.469524	0.917774	1.07641	0.885612	0.187168	0.237494	0.254187	0.693337	0.445895	0.887134	0.363616	0.409877
FMO5	0.029487	3.579326	2.942646	3.050829	2.72697	2.871814	0.221532	0.599676	0.948153	0.170206	0.258017	3.034317	0.439517	0.144849
FMOD	1	11.28689	1.754817	4.350023	4.086609	2.491714	0	0.150088	0	0.803305	0.72796	4.794011	0.336271	0.070144
FMR1	1	14.62297	14.66078	9.820902	9.179218	7.469802	13.97295	21.71075	20.22065	26.13149	19.60874	11.15073	20.32892	1.823101
FMR1NB	0.740883	0	0.04067	0	0.08628	0.097728	0	0	0	0	0	0.044936	0	0
FN1	1	75.60151	2.613997	16.76045	8.745052	3.050582	70.14509	19.52865	10.78053	25.45376	5.815831	21.35432	26.34477	1.233698
FN3K	1	15.84843	17.37679	9.534585	15.62984	54.49693	26.89946	28.98612	31.37947	29.12711	57.75717	22.57731	34.82986	1.542693
FN3KRP	1	12.7738	14.40295	11.26377	12.03299	40.03435	32.43088	35.08713	23.45535	17.41323	25.32167	18.10157	26.74165	1.477311
FNBP1	1	18.57243	20.3573	40.16559	32.99851	22.26381	15.29613	15.47902	34.6659	23.78942	22.06385	26.87153	22.25886	0.828344
FNBP1L	1	8.062683	9.801606	5.83574	4.642467	4.426275	13.77573	11.81402	38.642	20.10362	6.514059	6.553754	18.16988	2.772439
FNBP4	1	13.35458	15.4806	19.96193	17.95511	12.90635	15.52019	13.97917	37.26674	24.44465	16.9112	15.93171	21.62439	1.357317
FNDC1	1	0.668272	0.002301	0.133489	0.146436	0.066346	2.079179	1.411385	1.053116	0.631962	8.619562	0.203369	2.759041	13.56668
FNDC10	1	1.782764	2.048216	4.5076	3.695128	6.043478	0.779935	0.233033	0.305225	0.47971	1.958559	3.615437	0.751293	0.207801
FNDC11	1	0	0.083065	0.107093	0.08811	0.232869	0.128311	0.07815	0	0	0	0.102228	0.041292	0.403924
FNDC3A	1	7.153438	7.026746	6.904877	5.756375	3.318534	7.39707	8.714783	15.04879	11.97568	6.409842	6.031994	9.909231	1.642779
FNDC3B	1	2.528942	1.344128	2.260135	2.189271	0.756325	2.379153	3.034031	3.548401	3.247762	1.849432	1.81576	2.811756	1.548528
FNDC4	1	31.27931	34.23528	14.97896	12.52958	112.6946	74.22226	45.60626	51.20127	14.32011	26.61536	41.14354	42.39305	1.030369
FNDC5	1	2.918001	2.698633	6.477703	3.107072	0.619142	1.131175	1.07171	3.072426	1.05533	3.353565	3.16411	1.936841	0.612128
FNDC7	1	0	0	0.049019	0	0	0	0.023847	0.07251	0.087025	0.345128	0.009804	0.105702	10.78172

FNDC8	1	0	0.065109	0	0.034532	0	0	0	0	0	1.317809	0.019928	0.263562	13.22555
FNDC9	1	0.244225	0.220644	0.106675	0.146278	0	2.939648	6.227583	0.126237	0	0.081197	0.143564	1.874933	13.05989
FNIP1	1	6.070345	8.596191	7.42126	6.959064	3.458988	5.556279	13.46638	13.6809	17.36525	12.82307	6.50117	12.57838	1.934787
FNIP2	1	5.049516	5.219434	3.192667	2.821746	3.811125	6.648203	5.552634	9.651529	1.848083	3.080976	4.018898	5.356285	1.332775
FNTA	1	21.89015	33.26101	37.31053	49.34716	52.38684	37.55033	35.64894	24.87247	22.78591	14.52141	38.83914	27.07581	0.697127
FNTB	1	6.95227	8.354725	23.186	23.57398	19.03631	5.614288	8.48202	20.39825	10.01154	14.39413	16.22066	11.78005	0.726237
FOCAD	1	4.719313	5.115131	4.784288	4.896829	2.853298	5.878974	10.12917	9.230309	6.848451	4.366078	4.473772	7.290595	1.629631
FOLH1B	1	25.5301	32.31792	21.03478	35.46643	29.50467	27.32268	34.68829	9.185395	15.3775	2.804863	28.77078	17.87575	0.621316
FOLR1	1	0.038525	0.130519	0.084137	0.184595	0.052272	0.100807	0	0	0	0	0.09801	0.020161	0.205708
FOLR2	1	2.387132	0.642708	0.552414	0.511307	1.415698	10.34159	1.948391	1.143996	1.144162	0.525591	1.101852	3.020747	2.741518
FOLR3	1	0	0	0	0	0	0.246538	0	0	0.324717	0.130519	0	0.140355	#DIV/0!
FOPNL	1	18.00982	17.57525	8.746336	8.63331	20.9668	11.69391	7.791087	8.276084	13.13791	2.851269	14.7863	8.750052	0.591767
FOS	1	38.12707	12.63644	10.05331	7.438256	28.48983	25.17036	48.35536	25.99676	76.95791	23.10555	19.34898	39.91719	2.063013
FOSB	1	10.28831	1.299675	1.809242	1.853994	3.499983	1.53167	2.013341	0.807687	3.92362	2.440873	3.750241	2.143438	0.571547
FOSL1	1	0.013386	0.05291	0.29235	0.16837	0.108977	0	0.298673	0.069192	0.138404	0.267029	0.127199	0.15466	1.215888
FOSL2	1	6.799204	6.420198	5.653061	5.890291	7.130269	8.095558	14.3827	5.376286	6.683443	3.690153	6.378605	7.645627	1.198636
FOXA1	1	0	0	0.204063	0.095938	0	0	0	0	0	0.044378	0.06	0.008876	0.147927
FOXA2	1	0	0	0.274753	0.17223	0	0	0	0	0	0	0.089397	0	0
FOXA3	1	0	0	0.024829	0.013618	0	0.029748	0.060394	0	0.235086	0.028348	0.007689	0.070715	9.19646
FOXB1	1	0	0	2.281207	1.983863	0	0	0	0.19536	0.248676	0	0.853014	0.088807	0.10411
FOXB2	1	0	0.016635	0	0	0	0	0	0	0	0	0.003327	0	0
FOXC1	1	5.953719	0.835837	2.804968	2.796705	1.506359	4.129685	1.133302	1.265845	3.347943	1.157975	2.779517	2.20695	0.794005
FOXC2	1	5.256735	0.044973	0.643604	0.82052	0.216137	2.751022	0.54159	0.267598	1.52347	0.529603	1.396394	1.122657	0.803968
FOXD1	1	0.381599	0.071824	0.292816	0.300626	0.125943	0.359826	0.105926	0.124388	0.275471	0.080008	0.234562	0.189124	0.806287
FOXD2	1	0.450794	0	0.15926	0.095295	0.071959	0.138774	0.084522	0.239864	0.034271	0.077141	0.155462	0.114914	0.739181
FOXD3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
FOXE1	1	0	0	0	0.018799	0	0.061596	0.050021	0.01014	0.020282	0.058697	0.00376	0.040147	10.67807
FOXE3	1	0.066565	0.010739	0.041536	0	0	0	0	0	0	0	0.023768	0	0
FOXF1	1	1.128746	0.814163	1.033767	1.229991	0.968318	2.705832	0.804668	0.37641	0.75293	0.532642	1.034997	1.034497	0.999516
FOXF2	1	1.51328	1.668266	2.773792	3.344952	1.759947	17.11175	2.526577	2.188289	4.79631	2.500602	2.212047	5.824706	2.633174
FOXG1	1	16.54686	22.31259	6.185584	18.67837	27.68147	26.83063	36.60954	0	0.078299	0	18.28097	12.70369	0.694913
FOXH1	1	0.064318	0	0.140468	0	0	0.336598	0	0	0.332501	0.988993	0.040957	0.331618	8.096693
FOXI1	1	0	0	0	0	0	0	0	0	0.106576	0	0	0.021315	#DIV/0!
FOXI2	1	0	0.022587	0	0	0	0	0	0	0	0	0.004517	0	0
FOXI3	1	0.040935	0.027737	0.03576	0.049036	0	0	0.226159	0.296222	0	0.013609	0.030693	0.107198	3.492548
FOXJ1	1	0.019656	0.022197	0.837076	1.259672	0	0	0.041767	0	0.711285	0.130696	0.42772	0.17675	0.413237
FOXJ2	1	8.028172	7.934804	10.29829	8.99358	11.26127	12.60083	5.988667	17.25688	13.61704	19.03507	9.303223	13.6997	1.472576
FOXJ3	1	17.83445	18.9883	13.03959	11.96102	17.57715	20.84307	21.53919	24.4691	22.53559	24.12568	15.8801	22.70252	1.429621
FOXK1	0.00013	3.801472	3.635619	6.62789	7.292848	3.004644	0.632124	0.306577	0.264477	0.563722	1.307925	4.872494	0.614965	0.126212
FOXK2	1	14.46923	12.20033	16.02024	17.31919	15.78288	13.67532	14.19918	11.27829	13.4124	15.79311	15.15837	13.67166	0.901921
FOXL1	1	0.307737	0.010073	0.155846	0.192332	0.072617	0.140043	0	0	0.184451	0.118623	0.147721	0.088623	0.599937
FOXL2	1	0.049371	0.033453	0.165332	0.110398	0.071455	0.241152	0.027976	0.042533	0.068062	0.021886	0.086002	0.080322	0.933953
FOXM1	1	0.005322	0.09015	0	0	0	0	0	0	0	0.017693	0.019094	0.003539	0.185326
FOXN1	1	0.010674	0.024108	0.023312	0.038359	0.057931	0.335163	0.102068	0	0	0	0.030877	0.087446	2.832092
FOXN2	1	3.745913	3.991242	6.527932	4.733081	2.410748	4.464517	5.635975	7.758142	10.89282	3.273418	4.281783	6.404975	1.495866
FOXN3	1	4.270941	4.003437	10.24979	6.072398	4.605415	5.503623	3.307186	17.08188	20.05217	17.97662	5.840395	12.7843	2.188944

FOXN4	1	0	0	0.052687	0.086696	0.065466	0	0	0.249393	0	0.200514	0.04097	0.089981	2.196296
FOXO1	1	6.110353	4.679407	8.174658	10.57619	4.036225	2.044772	3.481522	3.148189	3.36082	4.470149	6.715366	3.30109	0.491573
FOXO3	1	13.47813	13.23057	19.08377	14.73277	13.16819	7.402947	6.7728	16.9771	20.65583	22.7751	14.73869	14.91676	1.012082
FOXO4	1	7.809064	8.757452	14.05202	18.24667	14.26021	24.00284	10.57758	19.52199	12.30485	14.91446	12.62508	16.26434	1.288256
FOXO6	1	0.317405	0.397462	0.311233	0.708705	0.667973	0.406796	0.367058	0.083706	0.23441	0.312273	0.480555	0.280849	0.584425
FOXP1	1	11.21625	7.519368	4.070837	5.686081	3.127077	4.393139	3.673002	1.272129	1.893676	1.265422	6.323923	2.499474	0.395241
FOXP2	1	1.360139	2.046051	1.989829	2.176572	1.884449	0.519167	3.017818	3.8593	0.944721	0.225666	1.891408	1.713335	0.905851
FOXP3	1	0.333286	0.185747	0.604994	0.580714	0.411104	0.453038	0.331114	1.085088	0.425148	0.453299	0.423169	0.549537	1.298624
FOXP4	1	4.67015	3.780259	10.05342	11.38317	7.191876	2.973835	1.816325	1.98694	2.814213	2.75448	7.415776	2.469159	0.33296
FOXQ1	1	0.834327	0.243565	1.710579	1.692922	0.800903	2.999981	0.566847	0.278702	1.144311	1.537889	1.056459	1.305546	1.235775
FOXR1	0.262326	0	0	0	0	0	0	0.24285	0.492273	0	0.031663	0	0.153357	#DIV/0!
FOXR2	1	0	0	0	0.023338	0	0	0	0	0	0	0.004668	0	0
FOXRED1	1	5.653139	5.371616	8.079673	8.750284	18.15793	23.80608	24.46647	17.73227	6.68411	14.1667	9.202529	17.37113	1.887647
FOXRED2	1	1.36416	1.37473	1.67584	2.000093	1.902356	0.66929	0.437835	0.758982	0.587684	1.003925	1.663436	0.691543	0.415732
FOXS1	1	1.076063	1.053177	3.039435	5.190409	7.942618	11.48803	2.347554	7.935185	2.002628	16.28978	3.66034	8.012636	2.189041
FPGS	1	1.587287	1.258878	2.394846	2.48924	3.238752	3.487586	3.411527	7.499922	1.096181	3.504707	2.193801	3.799984	1.732147
FPGT	1	2.646397	1.904022	1.444907	1.827922	1.520267	3.406521	5.770849	5.23991	11.69497	3.840426	1.868703	5.990536	3.205719
FRA10AC1	1	13.45033	14.86755	10.04436	9.310847	8.140965	28.86963	22.97039	24.28508	24.8013	10.50973	11.16281	22.28723	1.996561
FRAS1	1	3.575644	4.228789	2.511657	3.489621	3.523645	1.048356	4.464471	14.67091	1.247707	8.270926	3.465871	5.940473	1.713991
FRAT1	1	0.612896	0.873423	1.306671	1.783019	0.970199	0.916424	0.496142	2.225135	1.01843	2.789674	1.109241	1.489161	1.342504
FRAT2	1	0.965173	1.517535	2.038025	2.305962	4.167507	1.25579	1.507047	2.976784	0.827005	2.996136	2.19884	1.912552	0.8698
FREM1	0.64596	2.935853	2.700407	0.696579	0.793188	1.351444	0.126897	0.150613	0.361541	0.202493	0.359671	1.695494	0.240243	0.141695
FREM2	1	0.69639	0.391337	0.789553	0.373195	0.040689	0.340031	1.39483	0.551129	1.317735	0.858532	0.458233	0.892451	1.947593
FREM3	1	0.150777	0.131575	0.174624	0.060205	0.378162	0	0	0	0	0.007595	0.179069	0.001519	0.008483
FRG1	1	19.4652	24.94461	18.39109	22.79352	37.81118	31.63472	20.31775	42.00414	29.0878	27.27018	24.68112	30.06292	1.218053
FRK	1	0.154838	0.051429	0.019892	0.032732	0.049433	1.215473	1.432213	0.447247	0.541484	0.21197	0.061665	0.769677	12.48169
FRMD1	1	0.027803	0.054947	0.113851	0.162362	0	0.145502	0.04431	0.035928	0	0	0.071792	0.045148	0.628867
FRMD3	1	2.55012	2.541057	0.793543	0.559043	1.438313	2.16321	2.188801	5.625735	1.395868	0.720378	1.576415	2.418798	1.534366
FRMD4A	1	9.39044	8.903571	6.497061	6.559258	3.905505	11.50628	12.71435	4.250881	3.405538	2.594699	7.051167	6.89435	0.97776
FRMD4B	1	4.226285	4.996676	7.594842	9.603392	1.939776	9.939238	5.660022	2.76436	4.153887	3.139789	5.672194	5.131459	0.904669
FRMD5	1	7.218453	8.669932	10.00369	11.34321	7.72258	14.66795	17.24288	9.040687	6.67033	4.349364	8.991573	10.39424	1.155998
FRMD6	1	4.715872	2.5594	2.314004	1.914589	1.783634	4.736699	4.075559	11.12042	8.986753	6.764651	2.6575	7.136816	2.685538
FRMD7	1	0	0	0	0	0	0.118919	0.024143	0.029364	0	0.009443	0	0.036374	#DIV/0!
FRMD8	1	1.647741	1.348133	2.65611	2.443775	4.395382	0.58661	1.762592	0.86908	2.317884	2.934744	2.498228	1.694182	0.678153
FRMPD1	1	1.999155	2.155993	1.518635	1.996886	2.139693	1.315902	1.734862	0.714032	1.556655	1.104314	1.962072	1.285153	0.654998
FRMPD2	1	0.011777	0.039898	0.334358	0.155179	0	0.754983	0.250249	0.684814	0.091322	0.083201	0.108243	0.372914	3.445171
FRMPD3	1	4.494113	3.808097	4.751896	7.40316	2.6421	24.8862	7.846701	0.260834	4.189295	1.534605	4.619873	7.743527	1.676134
FRMPD4	1	7.698411	7.108832	7.298624	7.653188	2.814781	8.566566	19.98865	11.36801	2.429772	3.410824	6.514767	9.152764	1.404926
FRRS1	0.010869	0.281046	0.142824	0.03069	0.067333	0.038133	3.34608	4.299898	3.795161	2.106712	0.478872	0.112005	2.805344	25.04659
FRRS1L	1	28.71129	34.28723	23.88162	22.98788	13.82833	10.96161	27.45239	23.68489	38.48299	22.97044	24.73927	24.71046	0.998836
FRS2	1	5.443955	6.326508	5.504551	4.874153	3.55136	4.979743	7.806049	10.11376	8.41397	4.130449	5.140106	7.088793	1.379114
FRS3	1	1.007151	1.482324	2.848633	3.461154	3.696372	1.728114	1.403373	1.194784	2.261885	6.614542	2.499127	2.64054	1.056585
FRY	1	8.366587	8.184276	13.30453	9.341593	5.40399	7.787192	10.91082	16.03531	7.718886	10.29701	8.920195	10.54984	1.182692
FRYL	1	4.805052	5.863925	9.442517	8.29213	4.636793	6.608993	6.596861	7.35718	5.841345	3.198813	6.608084	5.920638	0.895969
FRZB	1	8.696317	0.6336	2.230706	1.973163	1.522513	3.839611	8.391316	3.810921	2.193922	2.235985	3.01126	4.094351	1.35968
FSBP	1	0.183721	0.186729	0.085263	0.057771	0.006232	0.07211	0.06832	0.071222	0.296803	0.099257	0.103943	0.121543	1.169316

FSCB	1	0	0.132605	0	0	0	0.068278	0	0	0	0	0.026521	0.013656	0.514901
FSCN1	1	28.28546	35.19269	62.39374	96.6771	38.36933	47.7133	49.59522	10.35122	16.87906	17.35216	52.18367	28.37819	0.543814
FSCN2	1	0	0.002965	0.040134	0.040882	0	0	0	0	0.420716	0	0.016796	0.084143	5.009707
FSCN3	1	0	0.221161	0	0	0	0.051244	0.020807	0.632666	0	0.244161	0.044232	0.189776	4.290439
FSD1	1	13.20548	16.15473	15.35398	19.17144	32.52004	21.4475	24.75691	16.18894	11.25352	21.95191	19.28113	19.11976	0.99163
FSD1L	1	4.025784	5.346353	4.661445	4.273207	2.488532	3.263419	5.733913	6.659771	10.69037	5.080124	4.159064	6.285519	1.511282
FSD2	1	3.353172	1.824688	1.948311	2.230694	2.065353	0.016324	0.013256	0	0.628886	0.171112	2.284444	0.165916	0.072628
FSHB	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
FSHR	1	0	0.008377	0	0	0	0	0	0	0.153381	0	0.001675	0.030676	18.31085
FSIP1	1	0.663259	0.935307	0.585417	0.633964	0.512915	0.269771	0.825188	0.524016	1.350204	1.2111	0.666173	0.836056	1.255014
FSIP2	1	0.027076	0.041789	0.015769	0.001081	0	0.018893	0.02685	0.032656	0.303276	0.210044	0.017143	0.118344	6.903341
FST	1	0.224652	0.12685	0.147189	0.026911	0	0.235135	0.501242	0.2903	0.232274	0.037345	0.10512	0.259259	2.466306
FSTL1	1	17.98399	9.016735	13.0472	14.58365	13.28191	25.58732	21.511	16.02436	19.00345	19.55422	13.5827	20.33607	1.497204
FSTL3	1	0.401628	0.064794	0.355033	0.366558	0.570893	0.800705	0.18288	0.172997	0.59322	1.049148	0.351781	0.55979	1.591302
FSTL4	1	3.094311	3.051023	9.221443	3.781312	1.310701	1.255693	1.284592	5.653519	3.99509	3.921289	4.091758	3.222036	0.787445
FSTL5	1	6.165254	4.612366	16.05248	3.167038	2.411599	4.495755	12.29041	101.2391	84.49464	70.49757	6.481747	54.6035	8.424195
FTCD	1	0	0	0	0	0	0	0	0	0.439987	0.04716	0	0.097429	#DIV/0!
FTCDNL1	1	0.407699	0.618921	0.948785	1.240965	1.360279	2.063667	1.434431	0.673661	2.625931	0.511076	0.91533	1.461753	1.596969
FTH1	1	705.288	517.2561	1022.048	1733.037	3578.083	2112.044	482.9135	337.5629	536.4636	1750.924	1511.142	1043.982	0.690856
FTL	2.22E-07	32.46524	32.22191	43.86509	72.90055	438.2675	3.150208	0.213186	0.259285	0.726103	0	123.9441	0.869756	0.007017
FTMT	1	0.185449	0	0.036819	0	0	0.176457	0.143298	0	0	0.05605	0.044454	0.075161	1.690776
FTO	1	33.97358	31.12775	26.87389	29.69373	17.52058	20.9659	30.26032	17.51654	11.28585	17.45674	27.83791	19.49707	0.700379
FTSJ1	1	3.830349	3.291671	5.682352	4.928487	5.346543	9.795292	4.198943	5.27165	3.085562	4.209558	4.61588	5.312201	1.150853
FTSJ3	1	7.26736	6.017279	6.118316	6.415637	5.187443	17.27704	14.61402	16.11312	6.588173	12.67432	6.201207	13.45333	2.16947
FUBP1	1	14.31791	16.36562	14.43356	11.86699	12.94399	19.33319	22.42468	51.01627	39.30516	23.85984	13.98562	31.18783	2.229993
FUBP3	1	10.98168	12.36992	14.36148	12.91908	11.39625	19.0588	17.10076	26.4434	23.21252	16.13596	12.40568	20.39029	1.643625
FUCA1	1	9.603139	8.177102	5.752223	6.917304	15.98954	6.536645	8.07785	12.11699	20.11993	10.33648	9.287862	11.43758	1.231454
FUCA2	1	6.521847	4.09687	5.563851	5.834946	1.714508	2.82647	3.702844	1.474842	2.107224	0.91475	4.746404	2.205226	0.46461
FUK	1	0.782005	0.719937	2.171964	2.901918	1.891442	6.539088	2.664174	3.514867	7.558064	3.440639	1.693453	4.743366	2.801002
FUNDC1	1	13.51127	14.44902	10.9562	11.76637	23.10877	11.58258	14.82569	14.32719	21.57563	17.72993	14.75833	16.0082	1.08469
FUNDC2	1	40.94939	36.57511	44.30943	41.27143	53.89475	24.35245	23.81058	16.45197	7.601723	10.45827	43.40002	16.535	0.380991
FUOM	0.008757	3.9714	3.761551	6.602962	6.476088	15.64414	0	0	0	0.662281	0	7.291228	0.132456	0.018167
FURIN	1	4.801276	5.037055	9.948954	10.80944	6.261707	5.685139	5.206546	7.398041	8.505911	14.28861	7.371686	8.216849	1.11465
FUS	1	67.56574	81.98076	56.07947	47.9015	66.43119	172.15	130.5196	204.7727	164.237	304.5804	63.99173	195.2519	3.051206
FUT1	1	0.347178	0.102046	0.249279	0.313336	0.335552	3.384899	1.313774	0.565397	0.12293	0	0.269478	1.0774	3.998103
FUT10	1	2.107782	2.07516	2.537724	2.58964	0.733311	2.121291	2.182043	7.961648	4.051252	2.807562	2.008724	3.824759	1.904074
FUT11	1	3.411065	3.843914	4.396635	3.741589	3.467486	4.019859	3.024655	5.936723	3.707463	2.565869	3.772138	3.850914	1.020884
FUT2	1	0.003914	0	0.017097	0.037511	0	0	0	0.020233	0.020236	0.10411	0.011705	0.028916	2.470449
FUT4	1	0.94772	0.814005	1.719961	1.950743	0.434671	0	0.198549	0.206986	1.173089	20.61369	1.17342	4.438463	3.782501
FUT6	0.41191	0	0	0	0	0	0	0.182685	0.161592	0.121211	0.168898	0	0.126877	#DIV/0!
FUT7	1	0.018252	0	0.358747	0.349815	0	0	0	0	0	0.515784	0.145363	0.103157	0.709651
FUT8	1	12.38453	12.35802	11.20484	9.463185	11.23056	10.11256	16.75385	26.07839	27.80497	21.58352	11.32823	20.46666	1.806695
FUT9	1	0.409392	2.562075	7.82335	4.209342	0.833217	1.696134	3.226022	1.983847	0.970022	1.644655	3.167475	1.904136	0.601153
FUZ	1	0.938046	0.991723	1.264064	1.769198	3.168396	3.60349	2.332586	3.120676	4.230292	4.893691	1.626285	3.636147	2.23586
FXN	1	7.709594	7.64118	5.468894	6.625976	12.14785	8.796418	5.466907	4.65434	4.610684	4.66163	7.9187	5.637996	0.711985
FXR1	1	11.22987	10.87628	10.20741	10.26345	7.587255	11.9884	15.39212	15.22954	22.53822	12.31133	10.03285	15.49192	1.544119

FXR2	1	24.58783	19.4058	29.77655	31.23827	26.55455	26.34362	30.03924	38.63506	23.51407	123.0604	26.3126	48.31849	1.836325
FXYD1	1	8.41707	4.800516	7.414638	8.742143	39.48075	27.56156	14.96816	14.559	23.82287	21.57422	13.77102	20.49716	1.488427
FXYD2	1	0.098124	0.110812	0.385737	0.258592	0.745571	0.718919	0	0.050719	0	0.260983	0.319767	0.206124	0.644607
FXYD3	1	0.049456	0.027925	0.21602	0.148107	0.167759	0	0	0	0.447421	0.226084	0.121853	0.134701	1.105434
FXYD4	1	0	0.015793	0.030541	0.033503	0.037949	0	0	0	0	0	0.023557	0	0
FXYD5	1	10.63167	1.922786	2.952068	3.90787	5.361038	2.85677	1.187586	0.638217	0.403143	1.27473	4.955086	1.27209	0.256724
FXYD6	1	16.09919	15.25501	15.0648	21.54757	25.01029	25.35966	13.92453	33.89455	11.82922	22.90312	18.59537	21.58222	1.160623
FXYD7	1	32.20657	44.51978	20.59072	34.18295	240.0205	137.3643	63.09485	13.71023	13.12734	25.95405	74.30411	50.65015	0.68166
FYB1	1	1.051553	1.092025	0.987677	0.889682	0.31928	1.597059	0.687537	0.484621	0.551218	0.067232	0.868043	0.677534	0.78053
FYB2	1	0.395656	0.623381	0.724726	0.256088	0.632085	0.033397	0.033901	0.098956	0.57733	0.100778	0.526387	0.168872	0.320814
FYCO1	1	2.68358	1.694672	4.646674	5.830924	1.899991	1.203151	0.630647	0.480736	3.90047	0.618426	3.351168	1.366686	0.407824
FYN	1	30.4783	26.14461	23.27895	26.11008	32.26975	74.87258	57.06137	26.7193	34.26169	32.82612	27.65634	45.14821	1.632473
FYTTD1	1	25.77058	27.36061	15.78095	12.89882	9.099391	24.55103	37.66713	31.40941	29.70493	25.77685	18.18207	29.82187	1.64018
FZD1	1	4.053883	1.962032	3.774604	2.509357	1.792558	2.865012	2.961165	2.209999	2.292184	1.669684	2.818487	2.399609	0.851382
FZD10	1	0.498268	0.302991	0.983564	1.262615	0.728073	0.200585	0.061084	0.718166	0.396287	0.414144	0.755102	0.358053	0.474179
FZD2	1	0.542694	0.041317	0.292976	0.321393	0.033094	0.25529	0.660821	0.220628	0.22066	0.152046	0.246295	0.301889	1.225721
FZD3	1	8.070234	9.681654	8.501212	8.036906	8.253794	1.979376	4.928808	3.362012	5.473322	1.81238	8.50876	3.511179	0.412655
FZD4	1	1.642541	1.483945	2.457644	2.210398	1.043201	3.694431	3.727955	0.993523	3.035203	0.87142	1.767546	2.464506	1.39431
FZD5	1	0.258257	0.306685	0.686131	0.988691	0.13005	0.111468	0.214987	0.172023	1.073582	4.686997	0.473963	1.251811	2.641159
FZD6	1	2.96927	2.506611	2.50402	2.013212	0.757895	10.46201	6.444903	4.05223	7.776347	1.767482	2.150202	6.100595	2.83722
FZD7	1	2.44228	0.422842	2.843478	3.119273	0.230925	0.267204	0.705224	8.797121	1.495728	6.705175	1.81176	3.594091	1.983757
FZD8	1	1.165237	0.911014	1.47393	2.059008	1.130333	1.545212	2.890616	0.545066	0.517888	0.692416	1.347904	1.23824	0.918641
FZD9	1	0.139567	0.17132	1.166226	1.061271	0.329339	0	0.63183	0.564579	0.501921	0.968378	0.573545	0.533341	0.929904
FZR1	1	8.963077	10.54598	17.2921	17.28129	22.78699	8.522999	8.332663	22.76157	8.926819	29.26163	15.37389	15.56114	1.01218
G0S2	1	0.902715	1.118899	2.981285	2.136339	4.182367	0.460898	0.280716	0.113806	1.365867	1.244412	2.264321	0.69314	0.306114
G2E3	1	2.827764	2.956399	3.142142	3.086336	1.228978	2.384542	5.210804	8.171761	6.609739	4.416075	2.648324	5.358584	2.023387
G3BP1	1	9.971347	8.96046	10.07573	11.33842	8.874697	8.3202	11.78838	9.612803	8.938374	4.290265	9.844131	8.590004	0.872602
G3BP2	1	63.10694	69.24945	42.95457	43.96069	31.79922	39.91848	94.87552	59.35636	58.43934	49.66111	50.21418	60.45016	1.203847
G6PC	1	0	0	0.087568	0	0	0	0	0	0.145097	0.193293	0.017514	0.067678	3.864316
G6PC2	1	0	0	0	0	0	0	0	0.090895	0	0.438484	0	0.105876	#DIV/0!
G6PC3	1	5.770529	5.071512	15.13866	15.1592	33.28007	19.16122	18.60715	8.972661	9.310873	11.66075	14.88399	13.54253	0.909872
G6PD	1	10.42866	8.211041	18.50171	18.96116	8.209149	26.45507	21.03263	14.72774	13.82106	41.66355	12.86234	23.54001	1.830149
GAA	1	2.256436	1.825652	4.937283	4.848996	2.893773	2.410843	8.628849	14.65073	2.976879	5.055627	3.352428	6.744585	2.011851
GAB1	1	13.01482	13.36156	25.99524	37.63936	11.03432	16.83176	12.15711	10.56691	11.36205	5.278037	20.20906	11.23917	0.556145
GAB2	1	5.043972	6.832592	9.934108	9.609598	5.886809	5.266227	3.790334	1.166665	2.592966	2.511782	7.461416	3.065595	0.41086
GAB3	1	0.357695	0.32741	0.296031	0.257089	0.388267	0.334978	0.240027	0.058386	0.03893	0.100145	0.325298	0.154493	0.474927
GABARAP	1	118.7628	109.6333	134.4769	161.3689	796.3457	691.5926	250.2773	251.5479	208.5907	265.1429	264.1175	333.4303	1.262431
GABARAPL1	1	185.8572	191.9475	148.0671	176.1619	294.001	183.7932	192.5608	102.8552	86.44337	176.2835	199.2069	148.3872	0.74489
GABARAPL2	1	134.3003	107.016	69.43636	57.33157	370.2419	278.0432	193.5198	201.3223	102.3524	101.4902	147.6652	175.3456	1.187454
GABBR1	1	125.4143	125.4472	172.8931	193.2896	191.0084	92.42695	164.67	137.2501	101.6956	145.5239	161.6105	128.3133	0.793966
GABBR2	1	79.01144	78.08569	47.66257	59.88469	91.234	58.7171	131.3798	64.94263	38.84725	63.82681	71.17568	71.54272	1.005157
GABPA	1	6.827615	5.888803	5.988943	5.225099	4.332706	3.87633	3.126918	7.112685	8.900659	3.56801	5.652633	5.31692	0.940609
GABPB1	1	4.874767	4.887842	3.483991	2.717972	3.742617	5.288512	7.900653	9.658346	6.505547	8.652878	3.941438	7.601187	1.928532
GABPB2	1	1.531411	1.394517	2.652183	1.828343	1.23493	2.100596	2.374079	7.862831	10.91705	4.203195	1.728277	5.49155	3.177471
GABRA1	1	127.5482	149.2047	63.49053	47.24911	97.30492	21.31285	148.9708	165.2081	156.0683	129.4364	96.95948	124.1993	1.28094
GABRA2	1	15.25794	17.66316	8.81186	7.701775	6.437828	4.647033	28.44994	5.072949	18.18934	5.097912	11.17451	12.29144	1.099953

GABRA3	1	29.09774	25.7518	7.055733	13.37855	3.309424	9.114287	23.72319	4.047608	0.530911	10.00835	15.71865	9.48487	0.603415
GABRA4	1	21.8815	19.87544	12.31791	12.72264	3.979982	10.35408	30.24506	2.213216	11.1949	1.292656	14.15549	11.05998	0.781321
GABRA5	1	31.57211	27.26703	11.20619	28.35706	27.77618	80.48905	91.52634	0.137599	0.412858	0.64166	25.23571	34.6415	1.372717
GABRA6	1	0.013789	0	49.11766	0.033036	0	1.443267	0.175808	385.0263	248.4287	352.9566	9.832897	197.6061	20.09643
GABRB1	1	2.233739	3.269482	7.126823	5.209554	0.795801	1.56736	5.343221	1.54806	2.580475	0.736421	3.72708	2.355107	0.631891
GABRB2	1	51.73454	82.48744	35.10321	29.70535	25.59483	10.56209	68.28278	61.56196	76.3399	46.2154	44.92507	52.59243	1.17067
GABRB3	1	52.57267	48.3409	28.53634	32.74686	3.642799	12.57306	50.33207	22.17774	21.56483	16.92392	33.16791	24.71432	0.745127
GABRD	1	13.30353	11.79165	38.58114	11.01822	31.6557	15.44281	22.64903	106.6665	58.87665	110.0168	21.27005	62.73036	2.949235
GABRE	1	0.534025	0.17618	1.113872	0.884087	0.195393	0.125606	0.051001	7.815722	0.155096	0.339132	0.580712	1.697312	2.922813
GABRG1	1	5.544696	7.390897	8.197132	8.214455	0.913077	3.372941	17.2	18.32274	27.16962	5.073363	6.052051	14.22773	2.350894
GABRG2	1	58.74051	76.75195	34.54206	36.25597	42.53886	17.49231	82.20497	75.06695	50.86162	61.36918	49.76587	57.39901	1.153381
GABRG3	1	3.750617	4.524384	1.618814	2.117673	1.835449	0.436398	0.819038	0.062259	0.431087	0.452822	2.769387	0.440321	0.158996
GABRP	1	0	0	0	0.027311	0.030935	0	0.060559	0.044193	0	0.01895	0.011649	0.02474	2.123781
GABRQ	1	0.695827	0.225554	0.337702	0.339585	0	0.13487	0.027381	0	0.066614	0	0.319734	0.045773	0.14316
GABRR1	1	0.25441	0.205219	0.793744	0.380945	0.098626	0.285302	0.019307	0.09393	0.610631	0.07552	0.346589	0.216938	0.625924
GABRR2	1	0.129907	0	10.31497	2.534303	0	0.388484	0.729551	1.390914	0.671574	1.37282	2.595837	0.910669	0.350819
GABRR3	1	0	0	0	0	0	0	0	0	0.441607	0.831724	0	0.254666	#DIV/0!
GAD1	1	33.04459	46.19827	30.98823	18.46454	54.70879	46.78448	92.66459	75.65819	44.87629	59.21137	36.68088	63.83898	1.740388
GAD2	1	33.63413	31.72019	22.86772	14.71192	1.614173	12.17709	49.98312	46.20955	22.88203	22.26267	20.90963	30.70289	1.468362
GADD45A	1	4.639457	4.90351	6.365221	5.89602	3.914187	19.76625	3.570587	18.17777	29.6729	21.48081	5.143679	18.53366	3.603192
GADD45B	1	3.51612	1.801998	3.392359	4.245769	9.771511	9.237453	13.77291	4.16041	7.665028	7.605495	4.545551	8.488259	1.867377
GADD45G	1	1.781244	1.93345	3.701324	1.947297	6.05387	2.8056	3.307328	3.396774	11.80104	16.90369	3.083437	7.642887	2.478691
GADD45GIP1	1	11.54562	7.881073	12.9438	16.22771	13.3679	25.10871	9.32287	4.973168	13.66162	46.65953	12.39322	19.94518	1.609362
GADL1	1	0.301378	0.153157	3.47748	1.173312	0.272614	0.341729	0.29886	0.532245	0.311603	0.0167	1.075588	0.300227	0.279128
GAK	1	8.79996	8.366027	16.26457	17.82766	6.049759	2.900981	5.01256	4.835125	4.578852	6.93112	11.4616	4.851728	0.423303
GAL	1	0	0.063029	2.01122	1.972292	0.302913	0	0.118599	0	1.009855	0	0.869891	0.225691	0.259447
GAL3ST1	1	0.144042	0.279455	0.250053	0.305276	0.230521	0.483218	0.353172	0.085908	0.114561	0.17805	0.241869	0.242982	1.004599
GAL3ST2	0.042417	0.760967	0.672292	0.022611	0.954966	0.196668	0	0.011	0	0.026761	0.043027	0.521501	0.016158	0.030983
GAL3ST3	1	3.759698	4.146415	6.96111	8.712112	17.89634	6.45106	4.640079	2.935498	3.095239	12.41192	8.295134	5.90676	0.712075
GAL3ST4	1	2.865334	2.409238	3.021668	2.983271	3.82723	8.034828	2.408921	1.891695	5.260599	1.691583	3.021348	3.857525	1.276756
GALC	1	3.152252	3.984244	7.116128	9.453399	5.002933	10.5968	8.079389	8.798105	13.07337	13.05247	5.741791	10.72003	1.867018
GALE	1	1.342072	1.102262	2.45141	2.64046	4.789707	5.703937	5.116022	4.477531	2.985455	10.70867	2.465182	5.798322	2.352086
GALK1	1	1.879534	1.518453	3.631194	4.035348	3.413369	4.918108	1.874068	1.756191	2.018044	20.16448	2.89558	6.146177	2.122607
GALK2	1	6.489598	5.007505	4.308021	4.457801	3.508632	7.633903	10.17964	4.455396	5.998522	6.199929	4.754312	6.893479	1.449943
GALM	1	4.340694	3.015972	7.892061	7.105382	4.39523	8.62691	2.600396	2.08366	3.870217	8.651638	5.349868	5.166564	0.965737
GALNS	1	2.559981	2.257238	4.768213	4.383467	1.752383	8.368233	6.174942	5.801527	4.21268	4.076631	3.144256	5.726803	1.821354
GALNT1	1	11.05916	10.08678	9.879248	8.967937	11.84539	12.91722	11.04089	13.75102	14.10057	9.99426	10.3677	12.36079	1.19224
GALNT10	1	6.85384	5.114962	11.81502	10.99085	6.966963	4.015498	3.474186	4.116662	3.581682	2.766269	8.348326	3.590859	0.430129
GALNT11	1	16.71072	16.73852	13.15564	12.47589	21.89184	13.37478	19.03586	29.3435	19.61115	15.85839	16.19452	19.44474	1.200698
GALNT12	1	0.954151	0.341217	0.425448	0.414327	0.453119	1.456405	0.650497	0.482915	0.226078	0.978106	0.517653	0.7588	1.465848
GALNT13	1	26.93547	20.72784	11.71282	10.7739	16.97633	55.68058	28.7386	16.03015	20.76818	8.317236	17.42527	25.90695	1.486746
GALNT14	1	8.4756	7.736922	4.891901	6.398372	12.22362	10.13351	8.473348	1.335911	0.593825	0.095474	7.945282	4.126415	0.519354
GALNT15	1	11.86309	6.847032	5.025803	10.72274	10.79457	3.834132	0.788388	5.850306	2.330751	2.061041	9.050647	2.972924	0.328476
GALNT16	1	6.914098	7.305915	15.32504	13.35158	11.90287	4.115686	6.425933	23.74883	10.1398	14.58286	10.9599	11.80262	1.076891
GALNT17	1	27.33506	25.54245	25.33152	28.12963	23.57858	10.86653	30.7428	29.32093	28.13399	44.01972	25.98345	28.61679	1.101347
GALNT18	1	4.174195	4.009561	3.765704	4.317738	5.061522	4.645187	7.073024	0.457249	0.945635	5.383633	4.265744	3.700946	0.867597

GALNT2	1	11.18168	10.68641	13.41539	14.41314	10.63001	13.84817	15.37897	9.644496	8.020711	15.68524	12.06533	12.51552	1.037313
GALNT3	1	0.588561	0.419502	0.10536	0.473875	0.183281	0.757409	2.286046	0.361573	0.548674	0.104254	0.354116	0.811591	2.291882
GALNT4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GALNT5	1	0.025544	0.075722	0.04184	0.026774	0	0	0.01357	0.008252	0	0.005308	0.033976	0.005426	0.159699
GALNT6	1	0.432609	0.801856	3.275996	4.90619	1.467449	5.512313	2.358134	1.142359	1.993342	0.28922	2.17682	2.259074	1.037786
GALNT7	1	3.800991	2.975683	5.981226	2.768694	1.475129	4.951242	4.461702	14.09171	12.80666	11.0505	3.400345	9.472364	2.785707
GALNT8	1	0.03492	0	0	0	0	0	0	0	0	0.009675	0.006984	0.001935	0.277056
GALNT9	1	11.26071	11.69875	13.02231	17.33499	17.08269	1.875697	2.571015	2.96416	5.839346	17.37579	14.07989	6.125201	0.435032
GALNTL5	1	0	0.336085	0	0	0	2.781169	2.1682	1.648153	0.439572	0.371037	0.067217	1.481626	22.04244
GALNTL6	1	2.333881	3.596909	0.879501	1.238897	1.440535	6.17883	3.928607	1.561168	1.51408	1.065013	1.897945	2.849539	1.501382
GALR1	1	0	0	0.312508	0.17141	0	0	0.228048	0	0	0	0.096784	0.04561	0.471254
GALR2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GALR3	1	0.059875	0.195339	0.297854	0.266974	0.099294	0.47002	0.445312	0.61038	0.395515	0.27095	0.183867	0.438436	2.38452
GALT	1	7.544581	5.955826	8.222538	10.02034	21.46737	70.30322	27.20746	11.58554	5.377079	5.260171	10.64213	23.94669	2.250178
GAMT	1	4.300664	5.948423	9.004718	11.0597	27.14215	23.22948	9.138694	8.361608	8.158854	25.87463	11.49113	14.95265	1.301234
GAN	0.939464	2.999931	3.057812	6.030719	2.843444	1.262395	0.218484	0.570301	0.308276	0.924964	0.743572	3.23886	0.553119	0.170776
GANAB	1	23.57822	23.51053	36.01669	41.22266	23.40736	37.83309	39.40377	48.51357	36.63602	33.70727	29.54709	39.21874	1.32733
GANC	1	2.194006	2.37934	3.357221	2.154436	1.954792	0.38191	1.180545	1.904291	1.557729	1.048757	2.407959	1.214647	0.50443
GAP43	1	179.0697	171.2316	123.7959	191.706	201.2179	516.9142	264.9006	177.3521	202.4841	305.6205	173.4042	293.4543	1.692313
GAPDH	1	713.1228	716.9502	772.3296	857.6325	2057.546	1797.74	1870.952	1211.299	714.6373	1723.092	1023.516	1463.544	1.429918
GAPDHS	1	0.377126	0.730098	0.282387	0.464664	0	0.281946	0.137378	0.473407	14.09286	6.716887	0.370855	4.340496	11.70402
GAPT	1	0.196865	0	0.042994	0.023582	0	0	0.355578	0.228953	0.203544	0	0.052688	0.157615	2.991464
GAPVD1	1	8.016321	8.824547	13.40239	11.96189	2.702697	8.033785	15.87267	15.51168	18.05927	15.45444	8.981569	14.58637	1.624034
GAR1	1	15.20234	13.75192	4.385611	6.43006	12.64522	12.26055	12.03544	7.817997	5.057483	5.927323	10.48303	8.619759	0.822258
GAREM1	1	4.467272	4.432278	6.452316	3.877722	3.925711	2.052634	2.099874	3.541295	7.228452	4.813838	4.63106	3.947218	0.852336
GAREM2	1	4.41472	3.170284	10.18166	11.12532	8.164861	1.078491	1.158035	0.686469	1.491512	5.46599	7.41137	1.9761	0.266631
GARNL3	1	25.59851	28.97417	22.97365	25.46432	23.85086	22.53033	21.30793	40.12685	25.56104	30.11278	25.3723	27.92778	1.100719
GARS	1	58.68442	54.28858	27.7466	33.83013	46.76378	38.88302	68.45931	30.82392	31.37137	46.51974	44.2627	43.21147	0.97625
GART	1	12.68883	11.20602	11.97101	13.27117	8.656266	3.513062	5.866678	12.01387	11.95039	11.10868	11.55866	8.890535	0.769167
GAS1	1	1.31521	1.025546	3.18012	3.694879	2.273143	2.089459	1.397377	3.459782	3.197223	1.444531	2.29778	2.317674	1.008658
GAS2	1	1.073813	1.32903	0.900165	0.916011	1.471705	2.809808	2.846486	4.35904	5.719444	2.353001	1.138145	3.617556	3.178467
GAS2L1	1	6.128498	5.860481	10.08627	17.08363	7.64477	8.018109	6.733088	1.873401	1.98723	5.860613	9.36073	4.894488	0.522875
GAS2L2	1	0.055945	0.044226	0.232147	0.20105	0.060727	0.322059	0.106993	0.289176	0.231374	0.5394	0.118819	0.2978	2.506335
GAS2L3	1	0.304907	0.278561	0.134677	0.20109	0.037187	0.017929	0.058239	0.221352	0.956381	0.10251	0.191285	0.271282	1.418213
GAS6	1	9.443752	6.287121	21.90552	19.08547	9.527545	22.24001	20.79575	10.56974	23.81982	47.66571	13.24988	25.0182	1.888183
GAS7	1	52.16888	51.53253	16.19056	30.98452	39.33795	43.25008	29.95624	2.772504	3.539178	5.20453	38.04289	16.94451	0.445405
GAS8	1	4.922939	3.835166	3.587668	3.822115	4.815041	1.074621	1.588729	2.027524	1.333734	2.091842	4.196586	1.62329	0.386812
GAST	1	0.042015	0.047448	0	0.35231	0.228032	0	0	0	0	0.209531	0.133961	0.041906	0.312823
GAT	1	0.045659	0.103125	0.498582	0.264355	0.123902	0	0	0	0.157359	0.08855	0.207125	0.049182	0.23745
GATA1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GATA2	1	0.882782	0.533569	1.398451	1.318126	0.421757	1.301377	0.184945	0.176736	0.257108	0.558055	0.910937	0.495644	0.544104
GATA3	1	0.07578	0.047544	0.735561	0.615265	0.068548	0.705037	0.125245	0.065283	0.631163	1.007777	0.308539	0.506901	1.642905
GATA4	1	0	0	0	0	0	0	0	0	0.15451	0.018631	0	0.034628	#DIV/0!
GATA5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GATA6	1	0.032843	0	0.059774	0.052457	0	0	0	0	1.358303	0.045497	0.029015	0.28076	9.676442
GATAD1	1	3.219291	3.715342	6.215321	4.799306	2.245643	10.24588	10.85097	12.15409	16.74691	10.03203	4.03898	12.00598	2.972527

GATAD2A	1	5.432951	5.094059	7.816932	8.818511	6.328227	4.318848	2.730087	2.5287	4.654132	7.659523	6.698136	4.378258	0.653653
GATAD2B	1	15.2045	13.94554	15.68537	16.06839	7.285469	9.179203	9.577399	15.33547	11.64377	18.34302	13.63785	12.81577	0.939721
GATB	1	12.99609	12.68229	8.186153	12.3035	13.74911	7.053563	15.47	7.4498	6.433698	5.609476	11.98343	8.403308	0.701244
GATC	1	12.44779	10.99927	11.01728	12.60906	15.23028	12.91439	9.327434	8.973908	8.467182	11.07224	12.46074	10.15103	0.814641
GATD1	1	10.98881	10.5453	26.34164	24.95383	21.28779	0.275158	0.513938	0.733779	3.479162	10.62812	18.82348	3.126031	0.166071
GATD3A	1	15.71408	14.66746	21.72483	26.84628	27.56314	7.064557	6.934541	4.267832	9.553203	29.47717	21.30316	11.45946	0.537923
GATM	1	28.13692	25.28376	32.60302	33.60433	22.90008	49.24326	56.50851	47.27379	55.08505	28.51359	28.50562	47.32484	1.660193
GBA	1	11.11553	10.92001	11.24409	15.55123	17.72881	21.89927	22.41699	24.04169	11.90395	20.47427	13.31193	20.14724	1.513472
GBA2	1	27.22014	24.52432	28.4417	25.87179	32.72063	57.9911	36.6457	48.52353	19.87332	47.74506	27.75571	42.15574	1.518813
GBA3	1	0	0	0.021679	0	0	0.051948	0	0	0	0	0.004336	0.01039	2.396255
GBE1	1	16.50095	16.96271	10.71608	9.677979	9.056642	10.62557	22.41703	14.52864	14.34488	8.634745	12.58287	14.11017	1.121379
GBF1	1	3.08581	3.484824	6.197047	5.54471	0.577509	0.835296	4.672941	6.050077	6.692725	1.415075	3.77798	3.933223	1.041092
GBGT1	1	1.787829	3.097115	9.571829	14.76269	14.83735	10.8097	7.930047	12.04481	4.307151	17.44228	8.811362	10.5068	1.192415
GBP4	1	0.096712	0.164785	0.018528	0.04065	0.073669	0.026638	0.025238	0.03508	0.228056	0.078974	0.078869	0.078797	0.999094
GBP5	1	0.446102	0.201514	0.194854	0.204847	0.383348	1.984407	1.816892	2.440357	0.384364	0.432582	0.286133	1.41172	4.933793
GBP6_1	0.264219	0	0	0	0	0	0	3.050325	2.112593	0.051534	0.447422	0	1.132375	#DIV/0!
GBP6_2	1	0.035671	0.161135	0.272666	0.256382	0.0484	0	0.0379	0	0	0	0.154851	0.00758	0.04895
GBX1	1	0.022232	0.025107	0.157803	0.153135	0.060332	0.145437	0.177161	0.028729	0.373535	0.249465	0.083722	0.194865	2.327533
GBX2	1	0.411391	0.282791	1.640668	2.742552	0	0	0	0.184907	0.647269	1.635338	1.015481	0.493503	0.48598
GC	0.004263	0	0.018483	0.089361	0	0	0	0	0	9.941714	0.190449	0.021569	2.026433	93.95193
GCA	1	2.724225	4.0427	3.416148	4.608907	4.971166	4.944542	6.792686	1.248045	2.93062	0.436278	3.952629	3.270434	0.827407
GCAT	1	4.600338	3.935355	7.208693	6.874619	11.32905	11.43566	8.358041	4.072089	5.7077	12.40774	6.789612	8.396246	1.236631
GCC1	1	1.710286	1.293698	2.501878	1.72017	0.39406	1.351017	1.937136	2.064121	1.29287	1.703158	1.524019	1.66966	1.095564
GCC2	1	9.551229	8.143959	6.692157	5.835801	0.732229	3.462563	6.13432	5.234971	4.968214	3.93861	6.191075	4.747736	0.766868
GCDH	1	8.711095	7.866108	8.657831	10.35256	24.40913	4.68031	3.270883	5.667225	5.779188	15.22408	11.99934	6.924338	0.57706
GCFC2	1	2.101041	2.667865	2.576498	2.023603	0.62602	1.169077	0.933875	1.584856	1.947393	1.582485	1.999005	1.443537	0.722128
GCG	1	0	0	0	0	0.090685	0	0	0	0	0	0.018137	0	0
GCGR	1	0.511867	0.04204	0.304881	0.089187	0.050511	0.340934	0.197762	2.429311	1.154692	0.38677	0.199697	0.901894	4.516303
GCH1	1	1.515076	1.389319	0.84707	0.798556	1.759687	1.205191	0.875693	0.673488	1.284513	0.392896	1.261941	0.886356	0.702375
GCHFR	1	0.748858	0.349015	0.960518	1.253025	1.516051	1.803993	0.732496	0.552966	1.843488	4.050708	0.965493	1.79673	1.860945
GCK	1.75E-06	0.156281	0.099755	0.163236	0.333718	0.534728	2.453607	2.237991	14.15402	10.36239	35.85114	0.257544	13.01183	50.52284
GCKR	1	0.20435	0.204648	0.042103	0.078517	0.177871	0.121067	0.761955	0.966577	0.019932	0	0.141498	0.373906	2.642492
GCLC	1	8.164756	7.740402	6.774277	7.303402	3.727871	9.627962	12.69767	11.24067	12.27118	11.08721	6.742141	11.38494	1.688623
GCLM	1	8.880791	9.724815	12.2564	11.66277	6.931004	4.169359	11.20324	18.83388	17.38299	14.84074	9.891155	13.28604	1.343224
GCM1	1	0	0	0	0	0	0	0.03316	0	0	0.012971	0	0.009226	#DIV/0!
GCM2	1	0	0.04708	0	0.058262	0	0	0	0	0.466953	0.0231	0.021068	0.098011	4.652037
GCN1	1	5.227623	5.3213	11.45951	11.69382	6.802014	5.657511	12.59539	13.99201	7.705406	7.42598	8.100853	9.47526	1.169662
GCNA	0.009266	3.222404	4.085592	4.389507	5.067858	11.39115	0.344865	0.490103	1.124041	0.85167	0.27386	5.631303	0.616908	0.10955
GCNT1	1	2.271463	1.730853	4.033734	2.658866	4.493303	0.237407	0.461329	3.207401	5.511168	2.203074	3.037644	2.324076	0.765092
GCNT2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GCNT3	0.079767	0.070481	0.05837	1.139068	0.433402	0.051003	0	0	0	0	0.007811	0.350465	0.001562	0.004457
GCNT4	1	1.580705	1.789512	0.57181	0.66472	0.625664	0.756679	1.449026	0.156542	0.171716	0.084449	1.046482	0.523683	0.500422
GCNT7	1	0	0	0	0	0	0.141674	0	0	0	0.033751	0	0.035085	#DIV/0!
GCSAM	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GCSAML	1	0.06244	0	0	0.006504	0	0.113659	0.063457	0.063146	0.042103	0.049642	0.013789	0.066401	4.815588
GCSH	1	6.962328	5.248284	0.912327	1.959931	21.63302	3.461434	4.21646	3.418811	2.429508	0.434014	7.343179	2.792045	0.380223

GDA	1	32.51078	30.24762	1.202155	2.540101	12.36573	37.05589	69.46259	0.008083	0.242524	0.010398	15.77328	21.3559	1.353929
GDAP1	1	59.9781	66.47607	44.98145	49.20417	48.24801	19.73566	32.36221	32.18945	22.15615	23.87785	53.77756	26.06426	0.484668
GDAP1L1	1	14.61008	12.18705	23.80114	11.94566	33.17626	34.1344	24.35946	74.01428	42.23346	65.75016	19.14404	48.09835	2.512445
GDAP2	1	5.069176	5.180339	4.355757	3.772811	5.186717	8.176045	9.235445	9.471376	6.873654	3.798905	4.71296	7.511085	1.593709
GDE1	1	46.87026	43.54149	30.75657	41.91943	89.59665	26.64428	50.65746	23.49256	26.03761	22.35714	50.53688	29.83781	0.590417
GDF1	1	1.165558	7.15257	49.18163	67.59788	1.700827	1.668799	1.168279	1.221978	8.01507	57.4318	25.35969	13.90119	0.548161
GDF10	1	1.894695	3.597407	7.121872	10.21792	8.152783	2.093724	0.465171	5.540525	7.180316	12.69885	6.196935	5.595716	0.902981
GDF11	0.034177	12.60907	29.68882	71.20467	68.62817	45.74256	7.640647	11.12037	11.49136	10.83138	7.675004	45.57466	9.751752	0.213973
GDF15	1	0.081039	0.045759	0.044247	0.145615	0	0.424106	0.129153	0.209442	0	0.606215	0.063332	0.273783	4.322983
GDF2	1	0.028983	0.03273	0.031649	0.190951	0	0	0	0	0.074915	0	0.056863	0.014983	0.263496
GDF3	1	0	0	0	0	0	0.462888	0.062651	0.114297	0	0.196045	0	0.167176	#DIV/0!
GDF5	1	0.025041	0	0.027344	0.149983	0.067954	0	0.026606	0	0	0	0.054064	0.005321	0.098422
GDF6	1	0.06656	0	0	0.066443	0	0	0	0	0	0	0.0266	0	0
GDF7	1	0.013881	0	0	0.033256	0	0	0.058992	0	0.143519	0.092299	0.009427	0.058962	6.254369
GDF9	1	0.283129	0.592109	0.229016	0.213544	0.426844	0.987804	1.9386	1.219551	0.596312	0.087158	0.348928	0.965885	2.768147
GDI1	1	237.2822	213.1013	255.5133	285.2978	432.9181	496.3667	273.1339	225.2639	185.3464	415.4609	284.8225	319.1143	1.120397
GDI2	1	147.5822	149.191	106.5083	129.4556	146.8906	120.6583	139.1233	168.0796	126.5291	111.4984	135.9256	133.1778	0.979784
GDNF	1	0.014182	0.048048	0.216815	0.135911	0	0	0.143149	0	0	0	0.082991	0.02863	0.344974
GDPD1	1	20.62732	28.53731	11.01131	12.07029	17.05655	8.75586	30.86017	15.36781	14.4155	6.088669	17.86055	15.0976	0.845304
GDPD2	0.021076	4.159524	3.251452	1.318446	1.199973	8.875242	0.277744	0.296036	0.051436	0.514431	0.066168	3.760927	0.241163	0.064123
GDPD3	1	0.700876	0.571641	1.842492	1.134981	4.226549	12.49808	4.8541	11.74039	5.502011	3.883632	1.695308	7.695641	4.539377
GDPD4_1	1	0	0	0.130997	0.047901	0	0	0	0	0	0.033236	0.03578	0.006647	0.185784
GDPD4_2	1	0	0.059244	0.020831	0	0.077651	0	0.010134	0	0.049309	0	0.031545	0.011889	0.376878
GDPD5	1	3.915614	3.636394	6.47767	10.1206	10.61509	10.02089	14.08337	8.231079	17.53525	41.4319	6.953072	18.2605	2.626249
GDPGP1	1	1.940619	2.057624	2.354576	2.737928	4.593299	2.313287	1.443301	2.730617	2.953955	5.394516	2.736809	2.967135	1.084159
GEM	1	2.200364	1.311466	2.172187	2.815516	1.598315	2.500781	1.523132	1.622724	1.924572	0.563439	2.019569	1.62693	0.805583
GEMIN2	1	7.777636	5.736399	3.522302	3.972271	7.853375	22.87567	22.00408	28.28144	11.84409	10.57374	5.772397	19.1158	3.311589
GEMIN4	1	2.44968	2.133486	3.376729	3.877882	6.595179	3.388318	4.548349	4.370553	4.620971	6.634369	3.686591	4.712512	1.278284
GEMIN5	1	2.841201	2.946272	2.904033	3.04053	2.329469	5.531809	8.655529	4.506676	5.812543	5.277029	2.812301	5.956717	2.118094
GEMIN6	1	1.26709	1.241544	1.383637	1.640606	2.159154	0.692364	0.502864	0.727181	1.37751	1.966937	1.538406	1.053371	0.684716
GEMIN7	1	1.134654	1.45489	3.097549	3.666993	3.36774	3.092716	1.682734	1.680048	0.549914	1.041325	2.544365	1.609347	0.632514
GEMIN8	1	3.456204	4.860478	5.233903	6.522713	12.25464	0.170636	0.069285	0.126401	0.927078	1.300837	6.465587	0.518848	0.080248
GEN1	1	0.183973	0.28733	0.170974	0.121912	0.106222	0.635032	1.039715	1.45675	3.176988	0	0.174082	1.261697	7.247711
GET4	1	4.658893	5.374131	6.783227	9.725709	6.481543	13.78292	12.65954	10.23337	7.887418	19.29365	6.604701	12.77138	1.933681
GFAP	1	267.0665	182.2839	771.4562	813.4325	424.9794	128.1206	175.3804	214.6217	259.1326	314.7638	491.8437	218.4038	0.444051
GFER	1	8.99985	9.391665	10.44966	15.86912	20.31539	10.3056	6.847373	7.066208	4.627357	7.818549	13.00514	7.333018	0.563855
GFI1	1	0.022422	0	0	0	0.048677	0	0	0.02318	0	0	0.01422	0.004636	0.326016
GFI1B	1	0	0	0	0	0	0	0	0	0.033001	0.021224	0	0.010845	#DIV/0!
GFM1	1	10.12314	8.110176	5.612441	7.544343	5.233941	16.07094	12.53578	9.830152	14.17642	8.257293	7.324809	12.17412	1.662039
GFM2	1	7.222655	8.20125	6.218906	6.111456	6.74795	7.166455	10.38943	10.10625	13.3151	12.78717	6.900443	10.75288	1.558288
GFOD1	0.014048	21.0389	21.97045	15.6036	22.48531	18.16158	6.137579	7.182132	2.488999	3.56826	2.643418	19.85197	4.404078	0.221846
GFOD2	1	1.489903	1.648218	3.929015	4.024782	4.221882	2.9173	3.887464	2.553948	3.196175	8.54214	3.06276	4.219405	1.377648
GFPT1	1	8.142959	10.16462	7.910448	6.94515	7.351252	4.283877	5.843585	4.549152	6.721002	4.331265	8.102886	5.145776	0.635055
GFPT2	1	5.944052	5.014446	6.822023	7.622864	7.811151	3.613971	8.557683	9.374028	5.905496	9.376755	6.642907	7.365587	1.10879
GFRA1	1	2.321337	1.482176	2.601159	3.155581	1.267474	1.319938	1.220775	13.62833	0.410479	0.093171	2.165545	3.33454	1.539815
GFRA2	1	4.904152	6.627276	3.790786	5.159573	3.464134	3.460454	14.55828	2.729527	1.899078	1.144991	4.789184	4.758466	0.993586

GFRA3	1	0.214285	0.172084	0.280794	0.079859	0.051689	2.217926	0.769026	0.455353	0.344641	0.182064	0.159742	0.793802	4.96927
GFRA4	1	2.18353	1.824461	3.142409	3.386721	8.836697	0	0.080461	0.293577	4.632672	5.455123	3.874763	2.092367	0.539999
GFRAL	1	0.060389	0	0.065943	0.162763	0	0	0.096242	0	0	0	0.057819	0.019248	0.332908
GFY	1	0	0.021858	0.02818	0.015457	0.070031	0.033764	0.027419	0.033348	0.200118	0.203772	0.027105	0.099684	3.67767
GGA1	1	16.56468	14.37488	21.19093	20.72765	5.358664	15.2411	11.59216	21.25837	15.42283	26.09546	15.64336	17.92198	1.145661
GGA2	1	9.325634	8.0578	9.907417	8.811133	10.51662	22.1806	12.60049	28.65725	35.44569	38.17943	9.32372	27.41269	2.940102
GGA3	1	11.09244	10.42124	15.06379	18.16043	14.32237	10.02823	12.92597	12.36268	8.251098	8.217873	13.81206	10.35717	0.749864
GGACT	1	1.324876	0.810912	3.556107	5.148863	2.030921	1.217334	1.117522	0.365931	0.627401	1.244096	2.574336	0.914457	0.355221
GGCT	8.10E-06	1.257232	1.332158	2.406765	0.669347	2.063877	18.43887	22.26296	12.71618	19.89951	13.31369	1.545876	17.32624	11.20804
GGCX	1	6.948357	5.13026	10.34736	9.939398	1.631943	4.167926	11.58743	16.40341	12.01551	12.86089	6.799463	11.40703	1.677637
GGH	1	8.954853	8.476879	5.884813	6.030883	13.35979	8.773687	9.546595	7.814794	10.73545	3.233148	8.541444	8.020735	0.939037
GGN	1	0.030464	0.103209	0.099797	0.063862	0.103336	0.079713	0.032367	0.078732	0	0.02532	0.080133	0.043226	0.539432
GGNBP2	1	26.49093	23.76724	15.98726	18.3972	16.78401	35.17622	29.80229	36.6846	30.36811	35.46414	20.28533	33.49907	1.651394
GGPS1	1	3.632571	4.308151	4.107497	3.738931	3.450764	11.82044	9.249609	7.526626	4.068417	1.877344	3.847583	6.908487	1.79554
GGT1	1	0.22921	0.24267	0.985527	1.295623	0.4665	0.712221	1.887355	10.03343	1.518194	2.143256	0.643906	3.258892	5.06113
GGT5	1	0.596447	0.442284	1.592958	2.078878	1.423553	0.112822	0.564994	10.01035	3.640656	1.164706	1.226824	3.098705	2.525795
GGT6	1	0.016518	0	0.072149	0.02968	0.044824	0.172887	0.140399	0.149414	0	0.109833	0.032634	0.114507	3.508789
GGT7	1	13.28362	14.7563	22.19141	20.78113	42.58455	28.08186	39.64156	53.46569	23.10691	38.94445	22.7194	36.6481	1.613075
GGTA1	1	1.270702	0.941899	2.400142	3.379327	0.439355	4.595947	1.188495	2.954384	2.358778	0.693236	1.686285	2.358168	1.39844
GH1	1	0	0.023724	0	0	0	0	0	0	0.434409	0	0.004745	0.086882	18.31085
GHDC	1	6.312311	5.031385	6.679912	9.384084	14.99099	8.166722	7.742931	13.87379	6.252183	15.01989	8.479737	10.2111	1.204177
GHITM	1	98.72071	136.2545	86.3839	95.44889	90.02668	45.80515	85.42693	46.89843	50.25563	41.55118	101.3669	53.98747	0.532594
GHR	1	6.128299	2.619228	0.432405	0.813163	0.230264	2.121646	4.908416	5.531201	2.144566	0.611237	2.044672	3.063413	1.498242
GHRH	1	0	0	0.281418	0	0	32.20021	0.136907	0	0	0	0.056284	6.467423	114.9077
GHRHR	1	0.070516	0.066362	0.025668	0.112628	0.063786	0	0	0	0	0.009768	0.067792	0.001954	0.028819
GHRL	1	0	0	0	0	0	0	0	0	0.301523	0.29087	0	0.118479	#DIV/0!
GHSR	1	0.178055	0.03497	0.112714	0.117464	0.021008	0.094532	0.01645	0.020007	0.066701	0	0.092842	0.039538	0.425865
GID4	1	9.711322	8.553223	8.757026	9.771578	9.513684	2.10951	4.012256	3.50911	2.659634	3.050593	9.261367	3.068221	0.331292
GID8	1	11.2509	12.31868	8.404362	10.11097	12.59514	14.04093	9.092795	11.16022	10.32661	15.07289	10.93601	11.93869	1.091686
GIF	1	0	0.028955	0.055996	0	0	0.06709	0	0	0	0	0.01699	0.013418	0.789753
GIGYF1	1	6.505572	6.41949	17.98073	15.99167	12.76773	6.337363	7.222659	18.45683	10.8578	10.24333	11.93304	10.6236	0.890267
GIGYF2	1	19.71917	18.45037	16.11726	16.12937	9.272003	10.28395	15.66027	18.86359	13.50584	17.70372	15.93763	15.20347	0.953935
GIMAP4	1	0.090973	0	0.132454	0.072651	0.301731	3.121046	0.83769	1.097202	0.731574	0.050409	0.119562	1.167584	9.765525
GIMAP5	1	0.086949	0.028055	0.244147	0.148793	0.168535	1.560103	0.184761	0.353121	1.155838	0.22713	0.135296	0.696191	5.145695
GIMAP6	1	0.095112	0.066099	0.239677	0.245395	0.337517	0.191442	0.171014	0.207993	0.264757	0.048648	0.19676	0.176771	0.89841
GIMAP7_1	1	0.100825	0.062106	0	0.01098	0.07462	0.767489	0.253201	0.236887	0.189537	0.015237	0.049706	0.29247	5.883991
GIMAP7_2	1	0.207044	0.098052	0.058345	0.040003	0.108745	0.27962	0.042577	0.017261	0.069054	0.011102	0.102438	0.083923	0.819258
GIMAP7_3	1	0.290426	0.054663	0.211426	0.101471	0.558252	2.279842	0.411427	0.312746	0.375349	0	0.243248	0.675873	2.778537
GIMAP7_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GIMAP8	1	1.519688	0.436488	0.642685	0.873383	0.42908	3.332915	1.698628	1.305398	1.498588	0.292049	0.780265	1.625516	2.083288
GIMD1	1	0.008043	0.009083	0.210793	0.183063	0	0	0	0	0.291063	0.294151	0.082196	0.117043	1.42394
GIN1	1	3.330949	3.221421	2.495828	2.30281	2.355935	4.682517	4.49911	5.906997	5.449883	3.99087	2.741389	4.905876	1.789559
GINM1	1	5.854057	5.066446	4.509629	4.551775	4.390309	12.58869	9.397535	13.6853	6.740475	7.342781	4.874444	9.950957	2.041455
GINS1	1	2.481804	3.173559	3.447941	2.405583	2.073565	0.859263	0.724632	0.620191	1.567027	2.277996	2.71649	1.209822	0.445362
GINS2	1	0.380052	0.23248	0.345841	0.075877	0.257834	1.408828	1.278685	1.432406	5.566732	5.501685	0.258417	3.037667	11.75492
GINS3	1	0.862262	1.131413	2.152167	1.278826	2.250756	3.524046	1.622861	2.504372	2.207564	6.429673	1.535085	3.257703	2.122165

GINS4	1	0.379412	0.328495	0.497172	0.393896	0.566279	1.886307	1.90808	2.827304	2.615228	2.72256	0.433051	2.391896	5.523361
GIP	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GIPC1	1	9.074096	6.129655	10.65416	14.39002	15.33924	20.60705	11.48075	7.89605	10.67305	17.49211	11.11744	13.6298	1.225984
GIPC2	1	0.203879	0.067718	0.52384	0.172395	0.06509	0	0.203874	0.37194	0.061999	0.677831	0.206584	0.263129	1.27371
GIPC3	1	0.027278	0.030805	0.238296	0.152489	0	0.856527	0.057964	0.023499	1.034126	0.173823	0.089774	0.429188	4.780785
GIPR	1	0.020038	0.022629	0.021881	0.186029	0.054377	0.07865	0.063871	0.012947	0.181284	7.153389	0.060991	1.498028	24.56144
GIT1	1	34.06138	26.77046	45.91338	64.92455	34.90416	70.64596	38.30196	24.39619	17.53355	41.28248	41.31479	38.43203	0.930225
GIT2	1	5.435938	4.866275	10.22464	10.06448	7.216663	4.513316	4.961415	9.79305	8.808037	8.187156	7.561601	7.252595	0.959135
GJA1	1	86.65298	43.40552	101.2629	70.18929	32.81858	25.11943	44.04755	47.70693	80.05641	51.24331	66.86585	49.63473	0.742303
GJA10	1	0.04486	0.055066	0.195946	0.121494	0.148201	0.071451	0.116049	0.216756	1.078894	0.418256	0.113114	0.380281	3.361939
GJA3	1	0.053204	0.040055	0.019366	0.031866	0.048126	0	0	0	0	0.471692	0.038523	0.094338	2.448861
GJA4	1	0.933211	0.48742	1.834288	1.802595	2.690706	8.180367	1.685573	0.542662	1.507614	2.579051	1.549644	2.899054	1.870787
GJA5	1	0.780004	0.652068	2.577371	1.935465	0.989614	1.431357	0.333646	0.484334	0.628417	0.774608	1.386904	0.730472	0.526693
GJA8	1	0	0	0.070963	0.077846	0	0	0	0	0	0	0.029762	0	0
GJA9	1	0.010894	0	0	0	0.059124	0	0.138892	0	0	0	0.014004	0.027778	1.983666
GJB1	1	2.017293	4.050028	10.46029	13.83483	8.963717	3.148625	4.612531	2.256169	4.452008	3.353414	7.865232	3.564549	0.453203
GJB2	1	20.6648	5.450607	4.897246	5.46211	7.148239	1.483241	2.603879	1.615783	5.08507	3.658279	8.724601	2.88925	0.331161
GJB3	1	0.277802	0.231165	0.07983	0.280234	0.555478	0.076517	0	0.018894	0.075586	0.060763	0.284902	0.046352	0.162695
GJB4	1	0	0	0	0	0	0	0	0	0	0.076271	0	0.015254	#DIV/0!
GJB5	1	0.086349	0.081262	0.03143	0.017239	0.156215	0	0	0	0	0.047847	0.074499	0.009569	0.12845
GJB6	1	18.93073	9.677978	12.71643	15.53114	11.92801	5.265348	9.06734	2.674022	7.52524	9.596144	13.75686	6.825619	0.496161
GJB7	1	0	0.015182	0	0.032208	0	0	0	0	0.03475	0	0.009478	0.00695	0.733263
GJC1	1	0.623898	0.385896	0.544065	0.464792	0.693973	4.845678	1.035305	0.98569	0.911754	0.527725	0.542525	1.66123	3.062036
GJC2	1	0.83065	1.901355	6.499871	8.236887	6.206385	1.052652	0.783605	0.500591	1.424968	3.343683	4.73503	1.4211	0.300125
GJC3	1	0.061314	0.031958	0	0	0.025598	0	0.060133	0.109704	0.365735	0.180327	0.023774	0.14318	6.022571
GJD2	1	5.40485	6.235463	1.14643	0.978152	0.738625	0.915713	8.551805	2.512325	0.703553	5.171029	2.900704	3.570885	1.231041
GJD3	1	0.024534	0	0.053582	0	0	0	0	0	0	0	0.015623	0	0
GJD4	1	0.037375	0.126623	0.204063	0.089542	0.202846	0	0.07942	0	0.772859	0.06213	0.13209	0.182882	1.384523
GJE1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GK	1	1.7305	2.374937	1.575585	1.598492	1.612254	3.306651	6.011814	3.997113	4.290209	1.59902	1.778354	3.840962	2.159841
GK2	1	0	0.172154	0	0	0	0	0	0	0	0.033788	0.034431	0.006758	0.196266
GK5	1	1.938167	2.019815	1.623777	1.400751	1.136862	0.469809	0.660331	0.559209	2.689352	0.516572	1.623874	0.979054	0.602913
GKAP1	1	12.95595	15.28796	9.848174	9.330182	13.97014	10.128	6.968781	19.85874	23.55796	16.52921	12.27848	15.40854	1.254922
GKN1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GKN2	1	0	0	0	0	0	0	0	0	0	0.165844	0	0.033169	#DIV/0!
GLA	1	9.777276	8.19105	11.53199	9.059241	2.256952	4.048878	5.178642	5.348691	2.399762	3.167022	8.163302	4.028599	0.493501
GLB1	1	2.585474	2.08473	3.071736	3.059957	2.764353	5.331069	7.823458	5.532704	3.154367	2.630327	2.71325	4.894385	1.803883
GLB1L	1	2.591682	1.543042	1.289894	1.383324	3.600212	6.689295	5.37607	13.88593	5.217952	1.663215	2.081631	6.566493	3.154494
GLB1L3	0.042609	0.068307	0.134993	0.305817	0.355934	0.157557	0	0	0	0.017656	0.034064	0.204522	0.010344	0.050577
GLCCI1	1	8.801615	12.74348	11.77527	6.711351	7.106977	6.507974	8.674527	34.86477	32.98437	28.35667	9.427738	22.27766	2.362991
GLCE	1	3.579129	2.442409	6.08048	2.736295	1.950052	4.087701	3.518728	22.26832	21.71522	25.15497	3.357673	15.34899	4.571317
GLDC	1	5.80168	3.469525	3.870235	3.136209	6.633442	4.56713	8.278775	22.22075	9.506476	7.06856	4.582218	10.32834	2.254004
GLDN	1	0.847587	1.797995	3.308343	2.379365	1.77574	0.175271	1.604001	3.895034	0.519413	1.319038	2.021806	1.502552	0.743173
GLE1	1	5.702852	4.525591	6.227403	5.262033	2.572307	10.56671	12.38029	15.91381	5.458096	9.223826	4.858037	10.70855	2.204295
GLG1	1	33.95404	28.29273	44.8996	38.56792	22.69675	11.45338	27.4766	59.84463	27.14191	26.68185	33.68221	30.51967	0.906107
GLI1	1	0.762897	0.329253	0.477555	0.593724	0.210981	0.559457	0.51628	4.332639	1.281141	1.534752	0.474882	1.644854	3.463709

GLI2	1	0.439269	0.201628	0.544661	0.522803	0.669076	0.059325	0.252928	0.637214	0.629981	0.329773	0.475487	0.381844	0.803058
GLI3	1	3.869472	2.304544	2.211327	2.431151	2.027469	0.688624	1.199006	0.939522	1.418135	1.21603	2.568793	1.092263	0.425205
GLI4	1	1.339783	1.094241	2.2729	2.24975	2.59695	1.502469	0.889678	0.432824	1.113138	3.042467	1.910725	1.396115	0.730673
GLIPR1	1	0.693374	0.202508	0.287195	0.358012	0.486618	3.003025	1.422579	1.050475	3.213685	0.814783	0.405542	1.900909	4.687334
GLIPR1L1	1	0	0.280609	0	0	0	0	0	0	0	0	0.056122	0	0
GLIPR1L2	1	0.098523	0.111262	0	0	0.03342	0	0.366372	0.254626	0.381995	0.020472	0.048641	0.204693	4.208249
GLIPR2	1	3.545155	1.62049	1.013896	1.339739	4.523871	8.945176	7.802321	2.563249	2.836348	2.595828	2.40863	4.948584	2.054522
GLIS1	1	0.05296	0.052332	0.101204	0.166531	0.197609	0.519668	0.182873	0	0.068446	0.044018	0.114127	0.163001	1.42824
GLIS2	1	2.098278	1.591433	5.023839	5.287688	3.191472	3.823006	3.126619	2.423558	2.223034	4.400956	3.438542	3.199435	0.930463
GLIS3	1	2.00013	1.071953	1.977856	2.552579	0.749101	0.722322	0.740951	0.944979	2.641318	1.42495	1.670324	1.294904	0.775241
GLMN	1	8.538009	9.216753	4.889706	4.330543	8.138071	12.93526	15.49489	15.3418	16.56518	7.69405	7.022616	13.60624	1.937488
GLMP	1	3.342313	3.115857	3.037367	4.373208	4.534969	5.957647	4.838107	4.855261	3.102021	3.719563	3.680743	4.49452	1.22109
GLO1	1	50.93588	48.99759	38.93781	41.11809	99.14049	21.86912	28.27774	16.35978	17.27254	13.19694	55.82597	19.39522	0.347423
GLOD4	1	42.96069	39.35717	28.89813	30.38821	38.97518	22.39821	33.87804	24.50757	26.41955	22.60963	36.11588	25.9626	0.71887
GLOD5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GLP1R	1	0.396893	0.243926	0.212277	0.753582	0.461588	0.395633	0.051635	0.32796	0.642058	0.228899	0.413653	0.329237	0.795926
GLP2R	1	0.102519	0.122207	0.143045	0.10575	0.092734	0.104322	0.127078	0.01472	0.103053	0.355043	0.113251	0.140843	1.243634
GLRA1	1	0.021538	0.097291	1.31705	0.928796	0.116893	0	0.274599	0	0.167013	0.143211	0.496313	0.116965	0.235667
GLRA2	1	3.509174	3.502125	4.063648	5.194238	1.520686	1.765285	3.028971	0.885835	0.450013	0.171837	3.557974	1.260388	0.354243
GLRA3	1	0.090839	0.769384	0.644761	0.557677	0	0.178271	1.447706	0	0.528303	0.113253	0.412532	0.453506	1.099324
GLRA4	1	0.365159	0.23928	0.167375	0.518425	0.489344	0	0.613091	0.163114	0.046611	0.014988	0.355916	0.167561	0.470787
GLRB	1	53.65821	64.88408	26.56425	30.60629	29.30324	22.48816	55.2165	32.53295	46.75495	26.85852	41.00321	36.77022	0.896764
GLRX	0.492319	13.28182	15.97438	8.262894	9.812884	33.20596	4.935136	3.500739	1.52691	1.174717	0.585495	16.10759	2.344599	0.145559
GLRX2	1	5.722515	5.029826	3.342771	3.881727	4.153546	4.834945	2.725025	0.926572	4.847389	3.048658	4.426077	3.276518	0.740276
GLRX3	1	42.79987	45.8321	26.53268	29.61585	54.7477	51.6772	42.37152	37.95832	38.68444	47.14721	39.90564	43.56774	1.091769
GLRX5	1	20.70206	21.20936	19.60646	19.48636	39.80738	11.65155	8.775275	5.800444	17.82156	29.90682	24.16232	14.79113	0.612157
GLS	1	38.88881	52.07425	39.80912	36.55844	35.05139	43.75271	74.70073	56.17323	92.38611	72.8924	40.4764	67.98104	1.679523
GLS2	1	5.487445	9.047926	11.73771	7.034945	20.94853	5.8061	5.92909	2.6441	11.88301	23.16935	10.85131	9.886329	0.911072
GLT1D1	0.295528	25.55749	19.94246	10.85736	13.62265	16.73597	6.109379	4.925024	4.842038	1.913546	1.618749	17.34319	3.881747	0.22382
GLT6D1	1	0	0.089934	0	0.031799	0	0	0	0	0	0.595719	0.024346	0.119144	4.893682
GLT8D1	1	9.93942	11.65971	8.560923	10.23348	23.26101	17.69157	17.41645	21.05808	22.45526	14.4573	12.73091	18.61573	1.462247
GLT8D2	1	2.884391	0.642708	0.564968	0.18593	0.631799	4.941401	6.184157	6.685691	25.54306	8.21355	0.981959	10.31357	10.50305
GLTP	1	10.48366	14.88612	23.49278	32.98234	34.62967	14.11952	8.756027	5.632595	10.10754	5.801345	23.29491	8.883405	0.381345
GLTPD2	1	0.038803	0.118943	0.423726	0.298816	0.225643	0	0	0	0.085971	0.598969	0.221186	0.136988	0.619334
GLUD1	1	131.8233	109.7463	59.35992	54.37757	179.3471	84.65529	103.6572	51.21169	38.54965	40.00266	106.9308	63.6153	0.59492
GLUL	1	395.6284	291.4358	530.7762	676.6731	806.6875	263.9534	474.763	149.9661	217.3431	205.2997	540.2402	262.2651	0.48546
GLULP	1	19.19839	13.2254	10.44034	6.985145	8.667283	23.56108	40.83997	13.07418	36.94398	27.51856	11.70331	28.38755	2.4256
GLYAT	1	0	0	0	0	0	0	0	0	0.83411	0	0	0.166822	#DIV/0!
GLYATL2	1	0.057758	0.043484	0	0	0.052245	0	0	0	0	0	0.030697	0	0
GLYATL3	1	0	0	0	0	0	0	0	0.177227	0.221566	0	0	0.079759	#DIV/0!
GLYCAM1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GLYCTK	1	1.459276	1.392534	2.103421	3.548557	3.227396	0.61095	0.403115	0.603426	0.754393	2.547094	2.346237	0.983796	0.419308
GLYR1	1	36.02523	34.71527	33.50375	37.89053	34.924	52.72848	61.42237	54.31767	40.27302	64.51447	35.41175	54.6512	1.543307
GM2A	1	9.10239	7.230885	6.937971	5.934923	2.412022	5.599143	9.268828	12.12389	3.488786	4.678909	6.323638	7.031912	1.112004
GMCL1	1	3.124397	3.879014	3.271865	3.435724	2.781618	3.791161	6.387861	10.78766	8.814816	10.72346	3.298524	8.100992	2.455945
GMDS	1	13.05731	8.748096	6.870594	7.520778	7.747582	6.40845	4.816038	3.584407	7.589556	6.455451	8.788873	5.77078	0.656601

GMEB1	1	4.354867	5.179273	6.875972	5.169649	4.72595	2.735286	2.590031	6.754011	4.891363	3.822237	5.261142	4.158586	0.790434
GMEB2	1	1.715574	1.584589	3.076403	3.125291	3.748202	0.602369	0.687173	1.161572	1.388422	4.232229	2.650012	1.614353	0.609187
GMFB	1	49.2909	47.79652	29.72155	34.1518	49.69584	93.13439	123.0005	69.89443	82.48996	53.05046	42.13132	84.31394	2.001218
GMFG	1	4.057194	2.734307	2.929765	4.820893	8.434996	5.821849	1.738172	0.507367	4.905262	0.924637	4.595431	2.779457	0.604831
GMIP	1	1.503251	1.785819	2.313052	2.934965	2.291312	12.28581	3.878833	0.971267	1.488652	2.377205	2.16568	4.200354	1.939508
GML	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GMNC	1	0.231373	0.029862	0.028875	0.015838	0	0.657319	1.910435	0.358782	1.127766	0.043956	0.061189	0.819652	13.3953
GMNN	1	5.65533	4.172333	3.149687	3.513415	5.804485	14.67089	10.19232	13.27574	10.22004	2.77452	4.45905	10.2267	2.293471
GMPPA	1	8.290475	7.694718	13.54619	14.10364	27.666	24.73153	16.01531	12.97684	12.21527	14.39104	14.2602	16.066	1.126632
GMPPB	1	3.140996	2.367214	1.990412	2.460299	4.522383	1.618235	1.888215	1.934795	0.706724	0.936062	2.896261	1.416806	0.489185
GMPR	1	5.834713	10.16492	9.396758	7.249365	22.97069	63.27486	54.72148	16.03639	19.80089	30.32869	11.12329	36.83246	3.311292
GMPR2	1	19.44226	18.55658	10.38492	11.3512	28.62341	30.37512	36.34647	59.26542	14.67851	14.59591	17.67167	31.05229	1.757179
GMPS	1	9.088384	9.581339	8.136027	6.444032	6.155964	5.000353	7.064752	6.266409	7.807594	7.92799	7.881149	6.81342	0.864521
GNA11	1	18.29677	16.34508	18.89534	18.83961	4.513766	20.26794	19.57175	18.54265	14.11757	39.74216	15.37811	22.44841	1.459764
GNA12	1	12.47038	11.98491	28.80461	31.42116	11.96142	9.473231	6.513828	4.773905	6.120231	6.259832	19.3285	6.628205	0.342924
GNA13	1.39E-06	12.72253	12.72362	21.15064	23.45222	15.59441	1.508312	2.093536	1.976184	4.941179	2.449305	17.12868	2.593703	0.151425
GNA14	1	2.673315	1.031807	1.675157	1.297153	0.673413	0.885464	0.551288	1.486753	2.799001	3.03763	1.470169	1.752027	1.191718
GNA15	1	0.05289	0.042663	0.181514	0.108611	0.061511	0.118624	0.069573	0.045563	0.1302	0.016747	0.089438	0.076142	0.851336
GNAI1	1	26.37827	29.30897	21.63854	22.58462	18.93164	26.73088	48.47976	56.823	82.3981	59.90128	23.76841	54.8666	2.308384
GNAI2	1	37.0076	36.53212	47.74882	57.81515	55.57056	132.3628	47.23141	41.73517	38.49595	58.02129	46.93485	63.56932	1.354416
GNAI3	1	8.505679	7.848524	11.12697	9.16489	9.00067	19.72888	17.29305	22.07081	36.06087	19.79499	9.129347	22.98972	2.518222
GNAL	0.000313	6.839412	5.389088	3.413226	9.583363	3.942566	0.258074	1.112374	0.166663	1.215836	1.229634	5.833531	0.796516	0.136541
GNAO1	1	90.58554	87.3949	120.9467	128.6551	37.19077	224.4992	218.4039	213.3592	169.0839	218.2161	92.95461	208.7124	2.245316
GNAQ	1	29.14708	34.5634	30.40385	21.83785	3.355729	18.75735	24.6143	24.21912	26.47011	7.034156	23.86158	20.21901	0.847346
GNAS	1	383.4657	340.2422	374.6375	386.1135	719.413	928.5023	438.5758	483.5078	338.9147	545.7899	440.7744	547.0581	1.241129
GNAT1	1	0.097956	0.120679	0.175036	0.128009	0.205407	0.046603	0.009461	0.598384	13.76483	2.531359	0.145417	3.390126	23.31308
GNAT2	1	0.045364	0.076846	0.643982	0.176611	0	0	0	0	0.058629	0.056558	0.188561	0.023038	0.122176
GNAT3	1	0.016345	0	0.071395	0	0	0.171082	0	0	0	0	0.017548	0.034216	1.949852
GNAZ	1	20.0849	27.26071	3.699033	4.255313	38.39672	56.47748	27.67791	14.39099	2.32459	3.700066	18.73933	20.91421	1.116059
GNB1	1	141.3824	139.74	137.8437	155.1409	137.5186	189.3213	138.4176	116.597	127.7269	148.8816	142.3251	144.1889	1.013095
GNB1L	1.64E-10	2.658352	3.161402	8.030813	8.655773	9.604346	0.196868	0.233149	0.137731	0.226884	1.021388	6.422137	0.363204	0.056555
GNB2	1	36.8512	34.82319	46.26085	59.52372	97.70811	110.0834	80.91023	55.2505	58.01355	119.1984	55.03341	84.69123	1.538906
GNB3	1	1.438079	1.236203	5.2267	1.645531	6.727398	11.4574	3.64877	18.99921	7.045986	6.725699	3.254782	9.575412	2.941952
GNB4	1	9.080805	5.043953	7.540276	9.302293	1.412806	7.456811	7.278309	2.407785	2.776439	0.382621	6.476027	4.060393	0.626988
GNB5	1	66.74578	68.51454	34.70335	42.28207	80.71978	19.4164	62.1515	20.17663	31.83993	29.56726	58.5931	32.63034	0.556897
GNE	1	6.147688	4.893255	5.536371	6.090077	2.901687	3.594244	5.161339	5.137378	6.29276	3.188375	5.113816	4.674819	0.914155
GNG10	1	28.8132	32.30624	15.99132	21.22549	33.97676	34.5869	36.2712	30.55649	63.08825	34.59239	26.4626	39.81904	1.504729
GNG11	1	14.59615	4.099527	7.322446	8.938604	22.71198	82.98283	18.69536	18.95918	15.76904	15.58909	11.53374	30.3991	2.635667
GNG12	1	2.175392	1.883457	2.375485	2.605888	1.770989	3.415361	4.468511	3.1859	14.99465	4.339472	2.162242	6.080779	2.812256
GNG13	0.006008	0.471666	0.290539	1.0301	0.385231	2.210816	39.15752	8.245919	49.48007	5.209186	9.907745	0.877671	22.40009	25.52221
GNG2	1	46.15024	35.51638	28.04194	37.74518	31.48905	102.808	70.91902	35.3728	34.25028	8.866192	35.78856	50.44326	1.40948
GNG3	1	107.891	82.60016	65.67865	92.26823	340.4127	373.5509	138.164	90.47136	56.53363	139.8976	137.7701	159.7235	1.159348
GNG4	1	18.77272	17.97083	11.03816	15.45115	15.46444	39.85684	9.578369	29.02377	16.25905	16.93236	15.73946	22.33008	1.418732
GNG5	1	11.39782	11.9879	10.47709	13.12354	48.65693	54.30685	17.92987	9.144863	11.78452	8.766511	19.12866	20.38652	1.065758
GNG7	1	25.70043	28.72742	44.24763	83.80633	45.4273	22.86946	7.95939	3.118371	9.220872	17.90359	45.58182	12.21434	0.267965
GNG8	1	0.358041	0.036758	0.355431	1.793562	0	2.89579	1.383308	0.925337	0.504803	0	0.508758	1.141847	2.244381

GNGT1	1	0	0	0.149152	0	0.185328	0	0	0.176502	28.24447	0	0.066896	5.684194	84.97076
GNGT2	1	0.176544	0.132915	0.201962	0.211481	0.250947	0	0.107185	0	0.130381	0.069875	0.19477	0.061488	0.315696
GNL1	1	22.20502	21.0043	27.47666	26.42317	13.63294	18.1459	24.36398	22.52598	20.33891	31.49319	22.14842	23.37359	1.055317
GNL2	1	9.917537	8.663235	7.367422	8.169429	8.802268	7.129591	12.80309	15.27819	9.641961	6.84793	8.583979	10.34015	1.204587
GNL3	1	7.535014	6.078097	5.176065	5.519749	7.635802	16.70228	20.18495	12.73851	10.20205	9.056808	6.388945	13.77692	2.156369
GNL3L	1	30.17576	27.92096	28.3097	27.10351	52.63716	35.46967	26.15261	32.08998	20.07932	34.77254	33.22942	29.71283	0.894172
GNMT	1	0	0	0	0	0	0	0	0.270407	0.631042	0.7247	0	0.32523	#DIV/0!
GNPAT	1	21.06928	21.39042	13.57674	16.53483	21.31952	43.67018	32.70725	27.17909	21.58819	18.28138	18.77816	28.68522	1.527584
GNPDA1	1	3.792532	2.799299	4.150393	4.503459	6.726591	11.45883	15.69649	14.88388	10.8068	7.046153	4.394455	11.97843	2.725806
GNPDA2	1	8.035364	8.107881	5.399668	4.376096	5.892172	11.11425	15.18878	17.63347	10.69223	5.756616	6.362236	12.07707	1.898243
GNPNAT1	1	3.353523	3.423379	0.954753	0.640817	3.621412	2.799585	3.446914	4.385527	2.943934	1.21438	2.398777	2.958068	1.233157
GNPTAB	1	19.38683	19.95749	21.22064	16.24226	10.8527	11.7705	19.89741	15.89073	19.73501	15.90927	17.53198	16.64058	0.949156
GNPTG	1	4.664666	5.164318	8.185547	8.552466	20.01017	6.875791	3.938901	5.89617	4.528075	12.69798	9.315434	6.787383	0.728617
GNRH1	1	0	0	0.080742	0	0.100325	0	0	0	0	0	0.036213	0	0
GNRH2	0.00091	1.429915	2.190462	2.457822	1.879418	2.317414	0.069289	0.225074	0.085545	0	0.022009	2.055006	0.080383	0.039116
GNRHR	1	0	0	0	0	0	0	0	0	0.143838	0.092504	0	0.047268	#DIV/0!
GNS	1	22.20583	22.44804	20.45154	19.00758	16.82367	15.26935	21.16105	19.79844	27.74651	12.28048	20.18733	19.25116	0.953626
GOLGA1	1	6.127047	6.506798	6.028327	6.150693	3.74056	5.356164	7.037063	6.875491	8.301671	5.304551	5.710685	6.574988	1.151348
GOLGA2	1	24.71688	21.16885	16.37143	15.44588	14.36854	20.22511	27.30426	45.81516	13.92965	28.53705	18.41432	27.16225	1.475061
GOLGA3	1	8.382063	6.952057	8.522757	9.222681	4.773886	3.827	7.232089	10.15693	8.547565	9.086587	7.570689	7.770034	1.026331
GOLGA4	1	22.07369	23.44838	25.58171	22.14137	5.98117	9.292152	14.10301	17.39106	24.0712	14.86022	19.84526	15.94353	0.803392
GOLGA5	1	8.031425	7.371145	5.245175	5.606974	4.67779	6.520899	10.12458	11.12923	17.6892	11.61228	6.186502	11.41524	1.845185
GOLGA7	1	32.60332	32.56099	28.91019	38.35463	58.55984	68.4756	47.63387	47.44502	56.94231	38.28089	38.19779	51.75554	1.354935
GOLGA7B	1	14.04195	13.3316	12.53544	13.03627	41.47564	15.99719	17.82107	13.13568	6.763598	19.00266	18.88418	14.54404	0.770171
GOLGB1	1	13.72809	13.97003	19.79618	18.49653	5.45836	6.28547	9.711256	15.26568	18.79384	21.28301	14.28984	14.26785	0.998461
GOLIM4	1	23.31187	18.97867	21.46155	17.67892	5.10384	13.94001	22.48793	23.18759	33.58852	15.72224	17.30697	21.78526	1.258757
GOLM1	1	17.70954	15.41666	16.5024	17.83564	15.84676	15.18471	18.72109	17.11629	14.66425	43.22782	16.6622	21.78283	1.30732
GOLPH3	1	17.44786	16.46464	12.52907	12.51533	17.727	26.55306	29.88312	20.61652	28.35861	22.87849	15.33678	25.65796	1.672969
GOLPH3L	1	10.32031	9.216053	9.713077	9.013657	9.030955	20.0735	12.45351	14.30847	10.18342	11.1355	9.45881	13.63088	1.441078
GOLT1A	1	0	0	0.054689	0	0	2.358876	0	0.194152	0.388361	0.749282	0.010938	0.738134	67.48479
GOLT1B	1	13.69554	14.20177	7.898623	6.905391	5.729218	4.035223	19.23251	15.51512	14.99538	12.90919	9.686108	13.33748	1.37697
GON4L	1	8.607995	7.25289	7.844752	9.030111	3.720998	5.505795	10.10689	11.46758	7.748568	6.852833	7.291349	8.336333	1.143318
GON7	1	16.05998	18.63126	8.985992	9.555476	22.69119	8.821474	7.163774	8.815757	7.616275	6.663228	15.18478	7.816102	0.514733
GOPC	1	15.44695	17.58241	10.83275	11.50263	13.38277	9.470314	16.57655	13.46174	15.63391	8.631596	13.7495	12.75482	0.927657
GORAB	1	3.234624	3.751989	2.655955	2.350373	1.479962	1.968355	1.971444	3.045783	3.953613	2.355053	2.694581	2.65885	0.98674
GORASP1	1	11.10377	13.28888	35.61222	41.81947	55.20136	17.74827	15.34625	12.38513	11.41752	17.24325	31.40514	14.82808	0.472155
GORASP2	1	19.81154	18.51635	17.56598	20.47208	17.96941	24.21909	33.58148	38.17937	27.16301	24.84841	18.86707	29.59827	1.568779
GOSR1	1	4.174914	4.982158	4.429641	3.687381	1.716311	3.717539	5.011725	6.433636	6.281559	3.325033	3.798081	4.953898	1.304316
GOSR2	1	10.46513	7.849771	8.338495	9.39216	10.49591	14.66056	10.67277	10.15316	6.141344	7.761393	9.308294	9.877847	1.061188
GOT1	1	132.2931	139.6533	110.5126	112.9657	200.5076	90.37782	146.6473	90.68964	142.3926	176.2292	139.1865	129.2673	0.928735
GOT1L1	1	0.087724	0.144098	0.017417	0.076425	0.302977	1.168587	3.25368	0	0	0.039771	0.125728	0.892408	7.097919
GOT2	1	64.26094	66.84436	62.12954	61.36119	94.00575	41.10316	88.08493	70.43314	71.58392	73.05581	69.72035	68.85219	0.987548
GP1BA	1	0	0	0	0.009021	0	0.078818	0	0	0.03893	0.112663	0.001804	0.046082	25.54258
GP1BB	1	0.332994	0.827315	1.199957	1.595567	0.271091	0	0	0	0.172146	0.304451	0.845385	0.095319	0.112753
GP2	1	0	0	0	0	0	0	0.095323	0	0	0	0	0.019065	#DIV/0!
GP5	0.174772	0.11062	0.138805	0.259486	0.309193	0.189007	0	0	0.021177	0	0.006811	0.201422	0.005598	0.02779

GP6	1	0.07256	0.259483	0.739516	0.478054	0	0.569593	1.104998	0.781361	0.31259	0.864433	0.309923	0.726595	2.34444
GP9	1	0.008407	0.018988	0.073441	0.030212	0	0	0	0	0.04346	0.335399	0.026209	0.075772	2.891022
GPA33	1	0	0.028681	0	0	0	0	0.107934	0	0	0.042218	0.005736	0.03003	5.23528
GPAA1	1	9.763845	9.704036	18.74647	21.94528	19.31521	11.58015	14.45872	13.34381	13.1551	27.12791	15.89497	15.93314	1.002401
GPALPP1	1	6.751276	8.313433	5.631249	5.664563	4.413279	3.043236	3.754569	4.194856	5.285627	3.521422	6.15476	3.959942	0.643395
GPAM	1	4.989097	5.653779	5.777686	5.549522	4.801696	6.721662	18.81044	9.57459	14.94288	7.170459	5.354356	11.44401	2.137326
GPANK1	1	18.11938	16.95449	11.3691	17.054	33.79465	14.90102	27.03342	38.9742	5.996903	13.75341	19.45832	20.13179	1.034611
GPAT2	1	0.012219	0.055197	0.053372	0.058549	0.132635	0	0.05193	0.03158	0.126337	0.121874	0.062395	0.066344	1.063303
GPAT3	1	2.184399	2.56469	1.392	1.423236	3.224153	0.22669	1.564778	0.079964	1.215629	0.133727	2.157696	0.644158	0.29854
GPAT4	1	9.568918	9.193786	15.83773	17.70394	8.004194	9.504197	18.78983	18.88762	19.55404	23.63108	12.06171	18.07335	1.498407
GPATCH1	1	6.72629	8.724711	3.950352	3.936879	2.828623	5.807985	5.18562	5.641387	6.402955	8.887991	5.233371	6.385188	1.220091
GPATCH11	1	12.37342	13.41086	5.093093	5.614204	7.03497	27.96337	30.5267	32.35874	24.75541	16.82385	8.705309	26.48561	3.042467
GPATCH2	1	2.540324	2.481585	1.858433	1.918763	0.978009	2.030172	3.611117	4.611897	4.774299	2.055267	1.955423	3.41655	1.747218
GPATCH2L	1	10.76864	12.04677	12.30615	10.46836	10.24092	4.672548	7.859246	10.12217	10.14377	6.916225	11.16617	7.942791	0.711326
GPATCH3	1	1.858799	1.643676	1.780837	1.890546	2.046219	1.284791	1.006095	1.472912	1.813079	3.454324	1.844015	1.80624	0.979515
GPATCH4	1	26.25141	20.67268	3.279676	5.112033	13.025	6.615438	9.371209	5.158403	2.063661	2.65434	13.66816	5.17261	0.378442
GPATCH8	1	12.61125	12.20378	16.04607	13.16731	4.628457	10.55043	18.38004	41.30992	29.84342	19.51189	11.73137	23.91914	2.038904
GPBAR1	1	0	0.048451	0	0.205574	0.116425	0.33679	0.022792	0	0.055449	0	0.07409	0.083006	1.12034
GPBP1	1	44.28535	49.74538	30.73787	32.72746	36.76352	39.62445	50.09078	61.03898	57.92219	41.95486	38.85192	50.12625	1.290187
GPBP1L1	1	16.00993	14.50153	14.53429	13.96944	10.60435	17.25281	17.13093	18.57057	18.48757	14.35415	13.92391	17.15921	1.232356
GPC1	1	13.00691	13.88087	26.38897	34.61673	19.50555	1.120242	1.711729	0.611458	4.746769	15.56322	21.47981	4.750684	0.22117
GPC2	1	0.650823	0.408321	0.699405	0.668243	0.532639	1.189386	0.72441	1.041247	0.64086	9.788477	0.591886	2.676876	4.522621
GPC3	1	1.195913	0.599188	0.551794	0.665845	0.777047	3.525973	1.807512	2.350725	3.570139	0.560002	0.757957	2.36287	3.117418
GPC4	1	1.72248	1.036089	1.001845	1.13134	1.464515	1.12973	2.045116	0.441678	1.255479	0.24671	1.271254	1.023743	0.805301
GPC5	0.005853	11.59043	11.23545	6.791307	8.946566	7.906463	1.479428	3.071369	0.271031	2.522134	0.666999	9.294044	1.602192	0.172389
GPC6	1	0.625425	0.307085	0.494893	0.640614	0	0.094871	0.211869	0.187406	1.218315	0.030135	0.413603	0.348519	0.842641
GPCPD1	1	11.74175	10.38456	12.95378	8.319819	13.12292	21.18867	12.88688	20.58343	19.51501	14.51496	11.30457	17.73779	1.569082
GPD1	1	9.644548	18.67884	36.82927	62.15177	91.77485	4.170829	2.699832	10.41808	27.04916	13.57479	43.81586	11.58254	0.264346
GPD1L	1	8.558376	8.770114	5.740031	6.091095	1.326097	13.54723	21.07681	13.24387	9.558826	7.596449	6.097143	13.00464	2.132907
GPD2	1	9.24513	7.357443	8.994106	5.981722	4.639098	13.84922	18.02527	16.25006	10.45493	9.426273	7.2435	13.60115	1.877704
GPER1	1	0.441162	0.406699	0.157303	0.032355	0.806256	1.036579	0.306105	0.232685	0	0	0.368755	0.315074	0.854426
GPHA2	1	0	0	0	0	0.07462	0.863425	0	0	0	0	0.014924	0.172685	11.57103
GPHB5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GPHN	1	11.72123	13.82299	11.05184	9.90742	10.27649	10.71393	21.83322	21.87196	16.74486	14.31586	11.35599	17.09597	1.505458
GPI	1	162.2683	157.6552	198.7018	176.8674	233.4961	225.7057	271.3026	227.1326	185.2413	400.5733	185.7977	261.9911	1.410088
GPIHBP1	0.566095	1.192437	0.797344	2.432904	2.706466	4.044852	0.164221	0.366744	0.202749	0	0.104328	2.234801	0.167608	0.074999
GPKOW	1	5.882088	4.949974	7.681666	8.004675	7.600206	11.75063	4.745867	7.886479	4.939414	9.003695	6.823722	7.665217	1.123319
GPLD1	1	3.75909	6.450014	9.180233	5.105135	3.321235	4.727512	3.870095	8.095962	2.899906	2.082954	5.563141	4.335286	0.779287
GPM6A	1	330.3316	297.7522	203.1799	206.0944	277.5248	281.7546	592.3024	574.99	591.2305	430.1648	262.9766	494.0885	1.878831
GPM6B	1	286.6272	254.9757	351.4268	403.3951	237.5888	144.1819	158.2357	107.7076	134.4328	62.19213	306.8027	121.35	0.395531
GPN1	1	5.998859	6.958074	4.5677	4.875305	10.14317	16.86179	20.41966	20.34291	18.70213	15.4456	6.508622	18.35442	2.820016
GPN2	1	2.405124	2.172896	3.928103	3.394667	8.456353	0.985054	3.310888	2.675542	2.378606	4.641294	4.071429	2.798277	0.687296
GPN3	1	9.985136	8.459912	4.650515	5.182009	7.990958	13.35251	21.70708	19.90608	20.47922	27.09036	7.253706	20.50705	2.827114
GPNMB	1	0.541756	0.513617	0.671926	0.45668	0.1815	0.805053	3.055666	9.213254	5.255603	1.489848	0.473096	3.963885	8.378609
GPR1	1	0.010504	0.007117	0.110112	0.231518	0	0.021988	0.151777	0.103157	0.249785	0.19207	0.07185	0.143755	2.000766
GPR107	1	11.89604	11.03037	15.73841	13.2807	0.361028	11.37199	25.56118	19.59863	13.29691	8.274982	10.46131	15.62074	1.493192

GPR108	1	5.763976	4.569915	9.516036	9.837185	16.88096	21.70334	10.17121	14.77863	8.68902	11.95049	9.313615	13.45854	1.445039
GPR119	1	0	0.008118	0	0	0	0	0	0	0	0.035851	0.001624	0.00717	4.415988
GPR12	1	12.38892	13.51235	9.803228	11.75204	13.46727	5.149236	8.546355	4.733162	5.643493	8.022906	12.18476	6.41903	0.526808
GPR132	1	0.047247	0.071143	0.137582	0.330152	0	0.164841	0.033466	0	0	0.02618	0.117225	0.044898	0.383004
GPR135	1	0.854025	0.69631	0.802937	0.825765	0.685909	0.100211	0.170897	0.079181	0.118789	0.241917	0.772989	0.142199	0.18396
GPR137	1	10.02173	10.41655	20.91048	22.29794	16.27458	27.39358	14.94237	13.02961	18.44807	35.89873	15.98426	21.94247	1.372755
GPR137B	1	6.411628	6.581493	16.4512	13.56287	6.310927	4.800377	10.29704	5.770935	8.90913	5.883608	9.863624	7.132219	0.723083
GPR137C	1	6.683201	11.72853	7.58119	4.79668	4.645993	4.245424	9.120208	27.99901	21.70026	11.97214	7.087119	15.00741	2.117561
GPR139	8.30E-05	0	0	0.154926	0.127465	0	0.464053	0.07537	0	0	0	0.056478	0.107885	1.910202
GPR141	1	0.051174	0	0.083822	0.122602	0	0.133905	0.027186	0.08266	0	0	0.05152	0.04875	0.946247
GPR142	1	0.234701	0.097365	0.27198	0.29836	0.077988	0.175467	0.284987	0.606572	0.519994	0.222944	0.196079	0.361993	1.846159
GPR143	1	1.512996	1.262904	1.891605	1.326473	5.295852	2.065566	1.421141	1.048401	0	0.546762	2.257966	1.016374	0.450128
GPR146	1	0.187621	0.381387	0.040976	0.108629	0.381857	0.016365	0.079737	0.056571	0.080828	0.051982	0.220094	0.057096	0.259419
GPR149	1	0.268104	0.482381	0.99242	0.849168	0.147975	0.332933	1.525655	0.328833	0.352372	0.203954	0.548009	0.548749	1.00135
GPR15	1	0	0	0	0	0	0	0.028557	0	0	0	0	0.005711	#DIV/0!
GPR150	1	0.060887	0.318797	0.205507	0.179025	0	0	0.070572	0.014305	0	0.036805	0.152843	0.024337	0.159225
GPR151	1	0.008316	0.037564	1.452883	2.096845	0	0	0	0	0.107472	0.062205	0.719121	0.033935	0.04719
GPR152	1	0	0	0.041557	0.102572	0	0	0	0	0	0	0.028826	0	0
GPR153	1	2.025117	1.425444	9.340338	7.388396	2.321159	5.928162	3.979053	1.792397	5.664799	7.147879	4.500091	4.902458	1.089413
GPR155	1	8.768361	9.032376	6.39044	8.760856	6.171908	7.5446	27.00428	14.97996	14.80347	6.779126	7.824788	14.22229	1.817594
GPR156	1	0.262533	0.230104	0.539131	0.455301	0.478496	0.082025	0.566195	1.670935	0.324107	0.110733	0.393113	0.550799	1.401122
GPR157	1	0.073322	0.159691	0.137256	0.100379	0.426368	0.054817	0.044516	0.094748	0.081225	0.278595	0.179403	0.11078	0.617492
GPR158	1	20.93633	24.97077	17.7876	13.445	23.70931	7.196196	21.97211	18.04233	13.16006	10.61249	20.1698	14.19664	0.703856
GPR160	1	0	0.010728	0.010373	0.022759	0.051558	0.273432	0.63587	0.073654	0.441989	0.252666	0.019084	0.335523	17.58157
GPR161	1	0.695336	0.423417	3.022284	2.049682	0.554974	0.963243	1.289238	0.722346	1.268694	1.05389	1.349138	1.059482	0.785303
GPR162	1	19.82554	20.41997	25.41526	24.18136	53.32058	29.10406	37.50902	65.84905	19.5372	53.51468	28.63254	41.1028	1.435528
GPR17	1	7.738011	7.355951	1.170907	1.619973	2.649232	2.093875	1.81943	0.599747	0	0	4.106815	0.90261	0.219784
GPR171	1	0.109022	0	0	0	0.039447	0.11411	0.061778	0	0	0	0.029694	0.035177	1.184676
GPR173	1	3.47976	2.380804	4.274808	4.970964	5.264049	2.441559	3.153019	4.143056	2.103564	3.177988	4.074077	3.003837	0.737305
GPR174	1	0.07741	0.006725	0.026009	0.021399	0.032318	0	0	0	0.015392	0	0.032772	0.003078	0.093931
GPR176	1	12.99613	10.48188	11.68378	6.960783	3.68252	4.324788	6.118429	9.981901	9.398742	9.457128	9.161018	7.856198	0.857568
GPR179	1	0.090382	0.075051	0.098696	0.347095	0	0.041735	0.118624	0.535877	4.493779	3.186084	0.122245	1.67522	13.70382
GPR18	1	0	0.091551	0	0	0	0	0.114844	0	0	0	0.01831	0.022969	1.254428
GPR180	1	2.608799	3.211424	2.835256	2.191988	0.234862	6.341065	13.89833	10.0016	4.602045	6.988038	2.216466	8.366215	3.774574
GPR182	1	0.095153	0	0.155858	0.056992	0	0.497968	0.126372	0.399617	0.184466	0.395441	0.061601	0.320773	5.207297
GPR183	1	0.02047	0.023116	0	0	0.166643	0.107124	0.043497	0.317415	0.05291	0	0.042046	0.104189	2.477991
GPR19	1	1.13366	1.227551	1.552664	0.979868	1.430182	1.063023	2.193155	1.482676	2.000839	1.71569	1.264785	1.691077	1.337047
GPR20	1	0.024631	0	0.295858	0.221287	0	0	0	0	0	0.020472	0.108355	0.004094	0.037787
GPR21	1	0.148802	0.264067	0.09285	0.165516	0.086528	0.16687	0.632392	0	0	0	0.151553	0.159852	1.054764
GPR22	1	11.73384	12.45621	0.469446	0.419051	5.501398	12.13141	19.10338	1.612128	1.329109	0.014013	6.115989	6.838009	1.118054
GPR25	1	0.018558	0.125747	0.141856	0.31123	0.276984	0	0	0	0	0.03085	0.174875	0.00617	0.035282
GPR26	1	16.70313	18.62372	8.160031	10.447	13.82064	3.84466	8.399253	0.011648	0.0466	0	13.5509	2.460432	0.18157
GPR27	1	6.586452	6.341367	3.476533	6.227924	7.807256	10.05029	8.09961	3.698861	5.435852	4.600472	6.087906	6.377017	1.047489
GPR3	1	1.79751	1.749947	2.069207	1.516805	7.545051	1.57555	5.475413	1.052689	1.556375	1.589708	2.935704	2.249947	0.766408
GPR31	1	0.018348	0.103602	0.064114	0.171435	0.039832	0.038408	0	0	0	0	0.079466	0.007682	0.096666
GPR32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

GPR33	1	0	0	0	0	0	0	0	0	0.061762	0	0	0.012352	#DIV/0!
GPR34	1	2.831501	2.548559	0.479943	0.263247	1.261513	18.00297	8.082264	5.111575	1.485631	0.168605	1.476953	6.57021	4.44849
GPR35	1	0.021312	0.006017	0.017454	0.012765	0	0	0	0	0	0.02657	0.011509	0.005314	0.461715
GPR37	1	11.17648	16.83406	47.27273	65.6904	19.29368	26.42304	24.88803	11.07819	15.76742	15.38166	32.05347	18.70767	0.583639
GPR37L1	1	12.76754	16.16779	47.53063	69.1291	12.45408	5.740093	6.337916	14.24813	33.27533	107.0312	31.60983	33.32653	1.054309
GPR39	1	0.199633	0.069368	0.067076	0.073581	0.062508	0.442008	0.244737	0.178595	0.119081	0.140401	0.094433	0.224964	2.382254
GPR4	1	1.062677	0.889821	2.954833	3.359411	1.209771	3.825116	0.660918	0.455505	0.991538	1.611415	1.895303	1.508899	0.796125
GPR45	1	0.834805	0.821755	1.238203	0.99466	1.005492	0.140176	0.151779	0.115375	0.738505	0.30426	0.978983	0.290019	0.296245
GPR50	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GPR52	1	2.648958	2.112407	0.456728	1.816223	2.128145	1.216041	5.344989	0.645573	1.351397	0.231761	1.832492	1.757952	0.959323
GPR55	1	0.026907	0.011395	0	0	0.018254	0.035203	0.021441	0	0	0.005591	0.011311	0.012447	1.100419
GPR6	1	0.738989	0.476883	0.415009	1.062277	0.687557	0.386737	0.201898	0.163704	0	0.245689	0.676143	0.199606	0.295212
GPR61	1	2.818851	3.071194	1.79349	2.209944	3.399749	3.957846	10.19422	4.422428	3.455524	5.092233	2.658646	5.42445	2.040306
GPR62	1	0.377333	1.007202	2.921738	2.578481	2.187545	3.859653	2.150317	1.684428	1.197004	1.539621	1.81446	2.086205	1.149766
GPR63	1	3.776501	4.923799	3.930559	3.769873	2.481982	1.166605	3.691999	1.126823	4.287635	0.779276	3.776543	2.210468	0.585315
GPR65	1	0.08297	0.093699	0.103545	0.312367	0.048247	0	0.07556	0.030633	0.183825	0.157627	0.128166	0.089529	0.698544
GPR68	1	1.15039	0.736678	0.962608	1.077092	1.542948	0.230665	0.327809	0.250608	0.296216	0.967156	1.093943	0.414491	0.378896
GPR75	1	50.50741	35.79948	39.7301	34.079	25.26503	5.151407	10.15736	7.227236	30.51301	8.999716	37.0762	12.40975	0.334709
GPR82	1	0	0	0	0	0	0	0.083982	0.061286	0	0	0	0.029054	#DIV/0!
GPR83	1	2.164025	1.394387	0.88704	1.16769	1.55188	0.748202	3.086344	0.319109	0.386346	0.032408	1.433004	0.914482	0.638157
GPR84	1	0.177059	0.399907	0.497172	0.681742	0.13728	1.125165	0.510613	0.196114	0.392284	0	0.378632	0.444835	1.174848
GPR85	1	3.318765	3.073463	1.959416	1.767264	2.530866	2.154968	4.056323	5.976524	8.402186	3.245765	2.529955	4.767153	1.884284
GPR87	1	0	0.03258	0	0	0	2.415644	0.18391	0.447356	0	0	0.006516	0.609382	93.52183
GPR88	1	0.598641	0.331396	0.28199	7.030469	0.063706	0.921436	2.369563	0	0	0.039025	1.66124	0.666005	0.400908
GPR89A	1	6.930325	6.601909	5.054546	4.081587	6.629422	3.499017	4.881542	8.949977	7.754821	5.813691	5.859558	6.17981	1.054655
GPRASP1	1	0.017171	0	0	0	0	0.404379	0.419609	0.987404	0.044384	0	0.003434	0.371155	108.0756
GPRC5A	1	0.246876	0.123911	0.419353	0.427168	0.223314	0	0.291444	0	0.094538	0.045599	0.288124	0.086316	0.29958
GPRC5B	1	82.84307	75.07811	146.434	184.6076	82.39666	51.80153	58.65544	53.77194	77.46498	91.96038	114.2719	66.73086	0.583966
GPRC5C	1	0.614161	0.140726	6.434374	1.183518	0.458928	0	0.189139	8.166366	8.190561	15.52127	1.766341	6.413467	3.630933
GPRC5D	1	0.022173	0	0.064568	0.017708	0	0	0	0	0.191048	0	0.02089	0.03821	1.829102
GPRC6A	1	0.008144	0	0	0.019512	0	0	0.242289	0	0	0	0.005531	0.048458	8.760646
GPRIN1	1	14.53313	10.74975	10.19339	11.3616	15.7218	27.74252	20.80042	10.51327	9.47439	20.38631	12.51193	17.78338	1.421314
GPRIN2	1	0.085797	0.058134	0.749506	0.575541	0.046565	0.583702	0.072925	0.022174	0	0.156885	0.303109	0.167137	0.551411
GPRIN3	1	2.236802	5.382035	1.979272	3.917338	1.635077	0.993491	2.308143	7.269838	1.749453	2.14043	3.030105	2.892271	0.954512
GPS1	1	28.59624	22.56683	29.73001	37.25432	33.53352	36.18129	31.28573	29.9381	24.53976	56.71289	30.33618	35.73155	1.177853
GPS2	1	14.27005	15.22197	13.46991	16.2361	23.23453	39.32579	17.80774	20.02853	14.4779	26.65346	16.48651	23.65869	1.435033
GPSM1	1	7.223759	5.463781	17.45454	16.65372	6.48581	6.756613	3.825665	7.931895	8.49887	38.29734	10.65632	13.06208	1.225758
GPSM2	1	6.201661	6.214677	8.429444	10.58352	6.000712	5.128678	10.52976	6.026675	4.988319	1.963265	7.486002	5.727339	0.765073
GPT	1	3.285375	3.143839	7.510416	9.440368	8.970975	1.071243	0.608957	1.216759	1.798949	3.487803	6.470195	1.636742	0.252966
GPT2	1	26.43122	16.79095	22.03897	27.2418	19.36225	18.28161	37.03197	23.64272	20.18107	13.25456	22.37304	22.47839	1.004709
GPX1	1	34.99697	29.61835	44.22396	45.76309	53.77158	183.9083	57.53318	53.24225	27.37349	47.79287	41.67479	73.97003	1.774934
GPX2	0.296839	0	0.080035	0.15478	0.084896	0.096161	3.987094	1.204783	3.663254	6.869601	5.419336	0.083174	4.228814	50.84271
GPX3	1	16.74127	13.19427	25.67085	27.22861	29.72166	11.47601	7.365397	25.01556	20.11288	43.70421	22.51133	21.53481	0.956621
GPX4	1	137.3666	92.22207	72.99978	81.40998	508.1657	148.345	92.48414	50.81764	66.50886	205.6228	178.4328	112.7557	0.631922
GPX5	1	0	0.025615	0	0	0	0	0	0	0	0	0.005123	0	0
GPX6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

GPX7	1	1.360047	0.552237	0.400489	0.732221	1.202595	2.399182	0.941696	1.342796	0.947994	1.727393	0.849518	1.471812	1.732526
GPX8	1	9.289105	3.433169	0.627054	0.586715	7.928928	4.684519	5.024442	6.023615	4.802131	2.667184	4.372994	4.640378	1.061144
GRAMD1A	1	7.121763	7.480655	10.50305	12.62385	12.31289	19.06202	17.73708	21.96158	17.74909	45.42937	10.00844	24.38783	2.436726
GRAMD1B	1	17.12966	18.23406	17.91442	16.13252	13.82736	7.021604	17.44657	19.31595	15.48023	19.87056	16.64761	15.82698	0.950706
GRAMD1C	1	2.716608	1.423187	1.349375	1.339277	1.623432	0.436259	0.948216	3.485113	5.348842	0.945569	1.690376	2.2328	1.32089
GRAMD2A	1	1.034935	0.260339	0.192818	0.434791	0.385999	0.051338	0.145917	0.126764	0.431062	0.187533	0.461776	0.188523	0.408256
GRAMD2B	1	10.55767	8.827328	11.7116	11.79887	10.54093	16.3477	17.95168	17.19728	16.42078	11.27613	10.68728	15.83871	1.482016
GRAMD4	1	7.644284	6.772777	8.474526	9.62703	3.498295	6.182392	10.44435	13.18195	7.177019	7.145645	7.203383	8.826273	1.225296
GRAP	1	1.179421	1.319242	1.864396	1.883762	2.743339	4.114866	0.692192	0.43545	0.406479	0.560169	1.798032	1.241831	0.690661
GRAP2	1	1.780946	1.109225	0.235728	0.400818	0.351484	0.395405	0.458718	0.195268	0.892785	0	0.77564	0.388435	0.500793
GRASP	1	8.394701	8.070532	5.015234	7.556238	31.98573	15.40869	17.51435	0.837289	1.72408	1.995805	12.20449	7.496043	0.614204
GRB10	1	1.339141	0.702272	1.717413	2.522495	1.348237	4.907437	1.545158	0.705793	1.122629	0.962638	1.525912	1.848731	1.211558
GRB14	1	3.020397	2.525948	0.843867	1.760164	3.57391	6.037884	4.868573	0.604793	0.759617	0.904668	2.344857	2.635107	1.123782
GRB2	1	37.51086	36.19194	34.08796	42.61722	58.43879	39.83548	48.41645	39.63727	29.38145	43.51635	41.76935	40.1574	0.961408
GRB7	1	0.028031	0.015828	0.030609	0.033578	0.038034	0.073348	0.059565	0.072445	0.253594	0.069896	0.029216	0.10577	3.620248
GREB1	1	0.473468	0.173986	0.475984	0.3451	0.173351	0.02622	0.242208	0.055032	0.563349	0.426845	0.328378	0.262731	0.800088
GREB1L	1	0.691205	0.776316	1.22085	1.040643	0.24941	0.902678	4.023749	1.649717	2.225977	1.316447	0.795685	2.023714	2.543361
GREM1	0.355031	7.691288	6.748243	6.440773	6.34658	4.286227	0	0.34424	1.446343	0.095168	0.116287	6.302622	0.400408	0.06353
GRHL1	1	0.600473	0.587299	0.468361	0.462409	0.480117	1.290659	0.592417	0.055425	0.526611	0.196072	0.519732	0.532237	1.02406
GRHL2	1	0	0.005617	0.123119	0.19266	0.004499	0.182221	0.169118	0.072848	0.48858	1.799834	0.065179	0.54252	8.323531
GRHL3	1	0.019019	0.010739	0	0.022782	0	0.049765	0.121241	0.036864	0	0.007904	0.010508	0.043155	4.106873
GRHPR	1	17.30628	13.48688	14.61596	16.16947	34.51909	34.85397	15.83941	15.53722	17.84318	26.20979	19.21954	22.05671	1.147619
GRIA1	1	50.39278	41.49117	41.15795	49.70135	33.96798	42.74651	70.0184	43.63249	58.95966	35.54188	43.34225	50.17979	1.157757
GRIA2	1	58.52517	59.13883	22.64549	28.88905	21.75482	38.04057	119.6577	60.14148	36.63166	23.0646	38.19067	55.50719	1.453423
GRIA3	1	40.66934	43.14124	25.85354	41.60497	35.09135	25.45741	52.84198	12.83443	7.210027	5.908633	37.27209	20.85049	0.559413
GRIA4	1	12.70425	11.55721	11.9594	8.833835	9.913824	7.612011	16.08656	35.81643	52.54111	24.55674	10.99371	27.32257	2.485292
GRID1	1	9.49972	8.070462	8.558561	11.47099	6.717191	8.272558	20.06762	7.159208	2.732719	8.812599	8.863384	9.408941	1.061552
GRID2	1	1.701568	1.468532	9.408222	1.441723	0.803369	2.157438	4.156638	40.18624	40.80713	14.64879	2.964683	20.39125	6.878054
GRID2IP	1	0.332035	0.194428	9.792229	8.7798	0.553969	0.102972	0.099301	2.402751	4.030598	1.98703	3.930492	1.72453	0.438757
GRIFIN	1	0.04469	0.075703	0	0.187368	0.212228	0.058469	0.094964	0	0.115515	0.538598	0.103998	0.161509	1.553006
GRIK1	1	12.28616	12.13949	4.945658	5.833933	16.08823	5.52068	4.54303	7.924591	8.616519	4.26127	10.25869	6.173218	0.601755
GRIK2	1	11.75048	10.2836	10.69057	7.297517	7.575169	11.75775	14.32242	64.47769	35.74849	45.03546	9.519466	34.26836	3.59982
GRIK3	1	2.26971	2.8751	3.897515	4.415516	0.307482	1.241553	5.898983	2.123085	0.640679	1.624575	2.753065	2.305775	0.83753
GRIK4	1	2.080344	2.534246	5.353206	4.453351	1.398274	2.973797	9.240335	17.21236	10.80441	14.41728	3.163884	10.92964	3.4545
GRIK5	1	11.98863	11.25826	16.55513	23.50644	16.29334	27.8646	17.68823	11.46941	25.41206	48.16065	15.92036	26.11899	1.640603
GRIN1	1	54.07814	64.37889	65.18145	89.84037	33.94031	38.10421	81.85465	60.4097	61.63707	118.6176	61.48383	72.12464	1.173067
GRIN2A_1	1	16.71374	25.65209	13.1821	13.58047	16.39219	7.806148	23.74536	6.821661	5.420627	6.56327	17.10412	10.07141	0.58883
GRIN2A_2	1	1.611345	3.95908	6.91934	3.899567	0.088635	0	1.318713	0.253242	0.562843	2.533804	3.295593	0.93372	0.283324
GRIN2B	0.605055	1.324775	0.896702	3.011908	1.351652	0.068044	0.262447	1.083406	0.259216	0	0.069471	1.330616	0.334908	0.251694
GRIN2C	1	0.197842	0.053196	21.09989	0.823836	0.012783	0	0.030029	49.47552	82.06534	73.26189	4.43751	40.96656	9.23188
GRIN2D	1	0.542626	0.787265	3.291871	3.371917	0.224966	0.532451	1.097001	1.548467	1.012981	1.547224	1.643729	1.147625	0.698184
GRIN3A	1	2.793808	2.382045	3.012026	2.636046	1.265873	2.175889	2.887543	0.746942	0.891218	0.151717	2.41796	1.370662	0.566867
GRIN3B	1	0.102503	0.038586	0.099495	0.204647	0	0	0	0	0.500466	0	0.089046	0.100093	1.12406
GRINA	1	62.69456	61.92068	40.03042	47.33531	148.2331	57.7491	82.44542	60.43795	31.11155	69.4904	72.04282	60.24688	0.836265
GRIP1	1	3.008492	3.338097	1.515148	2.205637	1.909408	3.802752	5.966701	1.555055	0.764893	1.022086	2.395357	2.622297	1.094742
GRIP2	1	2.758101	2.334187	4.629637	5.50652	2.153836	2.613358	2.698509	1.170932	0.239349	0.208904	3.476456	1.386211	0.398742

GRIPAP1	1	56.20402	46.6393	48.64603	47.99732	33.35982	53.3945	48.6395	79.89371	42.19575	77.28055	46.5693	60.2808	1.294432
GRK1	1	0	0	0	0	0	0	0	0	1.20526	0.075359	0	0.256124	#DIV/0!
GRK2	1	34.7405	28.1156	40.95665	43.99365	21.63966	109.3671	35.58452	29.62033	23.08561	52.2468	33.88921	49.98088	1.474831
GRK3	1	14.55833	16.49673	14.22607	14.57323	13.57197	19.50653	12.25376	25.24052	23.37662	34.75592	14.68527	23.02667	1.568012
GRK4	5.73E-06	3.643942	2.656705	3.703492	3.372864	3.105522	0.641222	0.333265	0.183665	0.760102	0.40736	3.296505	0.465123	0.141096
GRK5	1	6.255252	5.400547	6.077528	6.612649	6.49274	10.36844	3.959348	10.78017	5.472963	7.562412	6.167743	7.628666	1.236865
GRK6	1	3.211268	3.399057	4.093118	4.141631	3.537348	6.880348	3.86364	4.858149	3.730907	4.287299	3.676484	4.724069	1.284942
GRK7	1	0.033794	0	0	0	0	0.044213	0.017953	0	0	0.028088	0.006759	0.018051	2.670736
GRM1	1	7.073175	6.099871	12.3267	7.785563	4.656333	3.537044	8.962982	35.38406	21.06382	26.3087	7.588329	19.05132	2.510608
GRM2	1	1.405067	0.88504	2.383982	2.682265	3.311594	2.109278	12.09743	4.759774	3.154351	6.309157	2.13359	5.685997	2.664991
GRM3	1	28.46237	29.81093	17.11428	23.20795	28.83554	22.8473	42.9424	19.92617	8.687032	9.073909	25.48621	20.69536	0.812022
GRM4	1	1.372858	1.69132	33.7078	7.59699	2.395851	2.34649	4.115587	101.3291	33.90874	64.21518	9.352963	41.18303	4.403206
GRM5	1	32.10879	27.38617	14.27433	23.05391	16.58537	6.548299	16.49716	6.412544	8.049005	6.472506	22.68171	8.795903	0.387797
GRM6	0.497667	0.025856	0.021899	0.056468	0.034844	0.017541	0.422847	0.467006	0.501168	0.551365	0.048353	0.031321	0.398148	12.71167
GRM7	1	7.261715	6.199365	3.639991	6.444465	5.095368	8.479447	9.504141	1.428554	1.090658	0.308624	5.728181	4.162285	0.726633
GRM8	1	3.606178	2.628679	2.800644	2.723161	1.961414	3.477549	7.398706	1.586804	0.984363	0.671817	2.744015	2.823848	1.029093
GRN	1	8.374747	7.368269	19.62601	20.1003	11.00453	7.62738	7.012457	6.81134	8.003025	9.502858	13.29477	7.791412	0.586051
GRO1	1	0.55086	0.311045	0.300764	0.515525	2.242279	0	0.073159	0	0.355968	0.085848	0.784095	0.102995	0.131356
GRP	1	0.541236	0.122244	0.118204	0.615926	1.321862	0.566493	0.575049	0	0	0	0.543894	0.228308	0.419766
GRPEL1	1	16.92126	15.41551	13.45141	16.11478	21.04459	11.80266	14.90961	10.63476	9.613582	27.3395	16.58951	14.86002	0.895748
GRPEL2	1	8.612786	9.377592	5.769792	5.334064	6.619975	3.846721	6.63254	10.8612	8.150523	6.074016	7.142842	7.112999	0.995822
GRPR	1	0.162605	0.385625	0.142049	0.23374	0	0.340386	1.658532	0.29417	0.168122	0.837942	0.184804	0.65983	3.570437
GRSF1	1	21.30867	23.14836	15.37548	13.59118	16.17108	9.609558	17.90474	12.72345	18.50579	15.2797	17.91895	14.80465	0.8262
GRTP1	1	0.851043	1.0756	1.550188	2.160385	1.38567	5.136067	0.884973	0.131032	0.730143	1.372576	1.404577	1.650958	1.175413
GRWD1	1	3.754322	2.805581	5.000556	5.829806	8.653508	2.910755	4.924534	3.234277	5.654818	17.49003	5.208755	6.842883	1.313727
GRXCR1	0.110965	0.154575	0.174563	0.084397	0.115728	0.3146	8.190542	2.668773	1.697835	0.599323	1.027822	0.168772	2.836859	16.80879
GRXCR2	1	0	0	0.055353	0	0	3.050728	1.07715	0.262014	0	0.042132	0.011071	0.886405	80.06812
GSAP	1	7.729008	8.261066	4.798131	5.912337	3.286475	4.490731	5.547866	5.253315	3.555156	2.761855	5.997403	4.321785	0.720609
GSC	1	0	0	0	0	0	0	0	0	0.250879	0	0	0.050176	#DIV/0!
GSC2	1	0.00653	0.007375	0.171141	0.039112	0.177208	0	0	0.016877	0.033759	0.097698	0.080273	0.029667	0.369573
GSDMA	1	0.014771	0	0	0.017694	0	0	0	0	0	0	0.006493	0	0
GSDMB	1	0.068975	0.228117	0.107599	0.059018	0.561526	0	0.010469	0.038199	0	0.05733	0.205047	0.0212	0.103389
GSDMC	1	0.008411	0	0	0	0	0	0	0	0	0	0.001682	0	0
GSDMD	1	1.442127	1.215823	2.14808	2.332543	2.452675	1.217278	0.240072	0.171756	0.103068	0.165712	1.91825	0.379577	0.197877
GSDME	1	6.929069	7.334514	3.351806	3.493555	7.117158	0.930907	2.232762	0.62009	1.646687	0.35071	5.64522	1.156231	0.204816
GSE1	1	2.070394	2.710279	4.720647	3.708558	3.650888	1.6841	1.594195	4.654409	5.351595	8.046714	3.372153	4.266202	1.265127
GSG1	1	0	0.690956	0	0.031866	0	0	0	0	0	0	0.144565	0	0
GSG1L	1	4.15323	4.415178	4.388947	7.966041	4.693287	10.772	8.126618	1.19614	2.329665	1.255282	5.123337	4.735941	0.924386
GSG1L2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GSK3A	1	29.15451	32.18414	32.22324	41.87836	55.93823	80.01529	53.69445	33.81074	28.38717	54.65739	38.2757	50.11301	1.309265
GSK3B	1	26.335	28.77031	21.19769	20.81363	17.82474	25.06594	35.16609	27.18935	36.86837	18.9786	22.98828	28.65367	1.246447
GSKIP	1	18.07793	20.79518	10.29589	12.81387	15.09464	44.9047	32.32615	25.09843	13.70641	6.541231	15.4155	24.51538	1.590307
GSN	1	16.19496	10.77073	36.13324	49.3135	14.37866	24.22667	25.99866	10.88963	32.6081	21.61974	25.35822	23.06856	0.909707
GSPT1	1	18.82485	16.3772	4.333343	4.259843	15.385	14.58334	25.02306	19.31865	10.6126	6.573853	11.83605	15.2223	1.286097
GSPT2	1	6.881128	4.831509	7.182179	8.317541	5.096513	6.280548	8.660625	11.84249	11.76364	7.953998	6.461774	9.300262	1.439274
GSR	1	5.542276	5.999218	4.520209	5.059642	6.365441	6.859997	11.66303	10.75763	3.764728	6.830191	5.497357	7.975116	1.450718

GSS	1	4.161033	3.487674	5.365613	5.481888	6.220986	8.511222	6.838293	4.225566	10.10706	4.702427	4.943439	6.876913	1.391119
GSTA1	1	1.003202	0.368858	0.662382	0	0.506486	0.24419	3.420722	0.241183	9.166295	0.349044	0.508186	2.684287	5.282099
GSTA2	1	0.137517	0	0.042905	0.023533	0	0.411241	2.838675	0.152316	4.468594	0.228599	0.040791	1.619885	39.71194
GSTA3	1.09E-07	0.055688	0	0	0.033354	0	0.58287	0	0	0.575777	0.555435	0.017809	0.342816	19.25013
GSTA4	1	77.4473	82.99373	44.16583	55.7013	171.4899	151.234	127.7779	113.5841	129.6797	120.7996	86.35961	128.615	1.489296
GSTA5	1	0.049113	0.077649	0.021452	0	0	0	0.104363	0	0.96481	0.016328	0.029643	0.2171	7.323843
GSTCD	1	2.264417	2.281485	1.384712	1.363342	1.004555	0.886207	1.983287	3.256909	1.934071	1.204549	1.659702	1.853005	1.116468
GSTK1	1	6.844167	6.514794	4.593517	6.270459	14.77383	9.591517	8.191502	7.44589	11.74734	12.37786	7.799354	9.870822	1.265595
GSTM1_1	8.15E-06	45.06753	31.84192	40.58533	60.47312	157.9428	2.498079	1.888742	3.403198	7.488126	7.360389	67.18214	4.527707	0.067395
GSTM1_2	1	5.799322	7.002615	2.435671	5.824769	15.09181	11.20606	2.559448	4.073666	4.689241	4.4247	7.230838	5.390623	0.745505
GSTM2	2.89E-05	17.90946	12.08973	10.72135	17.97722	13.97448	1.650834	0.561382	0.998685	2.262656	1.92053	14.53445	1.478817	0.101746
GSTM3	1	119.8765	79.81762	50.77533	60.8018	352.7772	95.48528	1.631943	4.089953	50.77092	31.10403	132.8097	36.61642	0.275706
GSTO1	1	8.027655	5.867441	4.278387	6.198291	7.396301	3.00877	4.751003	5.55822	2.862074	6.123668	6.353615	4.460747	0.70208
GSTO2	1	1.57912	0.841562	0.464998	0.743895	1.372231	1.299963	1.790883	1.765439	1.100694	1.990889	1.000361	1.589574	1.589
GSTP1_1	1.01E-11	0.135358	0.038215	0.036952	0.020268	0	13.45905	7.694057	6.428021	21.77973	70.48427	0.046159	23.96903	519.276
GSTP1_2	1	65.59008	46.34837	90.36168	103.9796	293.5023	100.5316	62.59748	46.19745	116.0649	281.9317	119.9564	121.4646	1.012573
GSTT1	1	2.631968	2.18068	4.419406	5.101546	8.649716	1.384317	0.056209	0	0.136747	10.77313	4.596663	2.47008	0.537364
GSTT2	1	0.434743	0.720071	2.373652	2.846906	2.241522	2.350989	4.064747	4.531722	12.28613	25.39041	1.723379	9.724799	5.642868
GSTT4	1	0	0.132476	0.076858	0.112417	0.063667	0	0	0	1.030941	5.596606	0.077084	1.325509	17.19574
GSTZ1	1	1.29654	1.515566	1.506871	1.553118	4.197371	1.785584	2.01395	0.881799	3.410118	1.739351	2.013893	1.96616	0.976298
GSX1	1	0.215717	0.015226	0.500563	0.209955	0.146346	0.141115	0	0	0.069699	0.067236	0.217561	0.05561	0.255606
GSX2	1	0.102292	0	0.134042	0.049014	0.111035	0	0	0.264369	0	0.136035	0.079277	0.080081	1.010144
GTDC1	1	12.69934	11.00622	5.321224	6.335423	5.726064	3.863943	4.384724	1.847923	4.479857	1.13692	8.217655	3.142674	0.382429
GTF2A1	1	15.49627	17.9808	11.47896	9.74434	9.073305	5.467026	9.3456	14.1171	21.70355	10.96922	12.75474	12.3205	0.965955
GTF2A1L	1	0.111542	0.330658	0	0.033404	0	0	0.266649	0.612582	0.288316	0.254952	0.095121	0.2845	2.990932
GTF2A2	1	16.92542	19.49728	14.92415	20.38328	58.08797	38.84093	26.97425	31.98837	41.40962	38.44209	25.96362	35.53105	1.368494
GTF2B	1	20.01596	19.41195	14.12643	14.3984	23.634	23.98857	31.43972	39.65317	25.5397	22.2033	18.31735	28.56489	1.559445
GTF2E1	1	4.194017	4.200224	4.104241	3.454285	2.672289	1.930004	3.734902	4.583085	4.218674	3.737019	3.725011	3.640737	0.977376
GTF2E2	1	18.90878	19.33174	10.44218	12.24458	29.31363	21.88149	20.80088	16.70484	21.51347	24.20416	18.04818	21.02097	1.164714
GTF2F1	1	19.54766	16.6306	17.45733	19.71677	24.19989	15.17174	11.89664	14.11623	16.56183	46.98728	19.51045	20.94675	1.073617
GTF2F2	1	1.174621	1.319137	1.02613	1.438339	1.522933	0.068302	0.055467	0.168652	0.708442	0.596631	1.296232	0.319499	0.246483
GTF2H1	1	13.79625	14.1729	10.3211	10.76748	10.82871	12.68673	20.38831	18.35579	15.70062	15.23649	11.97729	16.47359	1.375402
GTF2H2	1	3.688599	4.817418	2.900482	2.456624	5.004822	3.831258	7.249731	7.313464	5.167478	3.744538	3.773589	5.461294	1.447241
GTF2H3	1	6.989111	7.620384	5.960678	6.647194	7.938367	18.15006	21.66045	22.29129	16.64295	7.958553	7.031147	17.34066	2.466263
GTF2H4	1	3.307809	3.040546	3.768065	3.396346	4.741636	5.808623	5.651164	6.475536	8.010381	10.9791	3.65088	7.38496	2.022789
GTF2H5	1	21.27129	14.26858	7.784193	9.743443	27.1566	44.00174	25.19765	19.30896	13.81943	14.05284	16.04482	23.27613	1.450694
GTF2I	1	56.9032	62.3301	57.98883	63.85	42.02407	56.41396	70.78454	85.68432	71.69717	37.48154	56.61924	64.41231	1.13764
GTF2IRD1	1	1.509476	1.539845	2.030801	2.242757	1.357863	2.815044	2.392379	3.588631	3.901722	5.711668	1.736148	3.681889	2.120723
GTF2IRD2	1	6.91813	6.410565	4.700818	5.176244	6.326503	3.007612	3.859504	5.436717	8.268376	3.875473	5.906452	4.889537	0.82783
GTF3A	1	6.621652	6.965008	6.238891	6.773818	4.571755	7.283321	9.774762	10.48757	6.361615	9.156594	6.234225	8.612771	1.38153
GTF3C1	1	12.42714	10.36797	16.10226	17.64208	8.162385	7.116447	11.02381	12.45956	13.13862	12.90094	12.94037	11.32788	0.875391
GTF3C2	1	2.982572	2.504248	4.325583	4.624176	4.226017	13.21055	8.120325	18.64843	6.243817	6.242727	3.732519	10.49317	2.811284
GTF3C3	1	8.190203	8.078794	6.01006	4.959011	1.066825	4.364133	8.948702	13.1621	15.05778	6.287585	5.660979	9.564059	1.689471
GTF3C4	1	4.576013	5.497757	10.74967	6.292299	0.626107	1.851425	5.147893	5.366622	3.379476	5.356764	5.548369	4.220436	0.760662
GTF3C5	1	10.2542	9.90665	10.88587	14.6566	11.22523	2.820035	4.411817	3.932202	3.97374	3.64893	11.38571	3.757345	0.330005
GTF3C6	1	2.85431	2.31016	2.334832	2.228816	2.054971	5.397598	4.193989	4.091336	5.455908	1.942355	2.356618	4.216237	1.789105

GTPBP1	1	4.91197	4.095695	6.8939	6.995728	7.878388	5.495864	5.682669	9.057503	5.823528	11.8547	6.155136	7.582853	1.231955
GTPBP10	1	7.666745	6.054698	3.348774	3.470898	2.496603	10.12749	11.32536	13.71967	20.82851	8.051127	4.607544	12.81043	2.780317
GTPBP2	1	3.036108	3.562201	6.959344	4.89216	4.199702	6.749288	5.61801	14.70726	8.695073	7.521406	4.529903	8.658207	1.911345
GTPBP3	1	4.084135	3.939475	5.552949	6.510886	7.566439	0.41783	0.769979	0.76188	0.85724	2.858609	5.530777	1.133108	0.204873
GTPBP4	1	12.59997	13.56323	11.38115	13.9115	18.26558	10.0898	13.4474	15.43196	10.72919	6.843534	13.94429	11.30838	0.810968
GTPBP6	1	2.123524	1.55048	2.176599	3.011886	1.110987	2.640307	1.656443	1.774156	0.42757	1.354257	1.994695	1.570546	0.787362
GTPBP8	1	0.950573	1.163831	1.274385	1.240153	1.085451	1.723893	1.189953	1.228351	2.140805	2.010414	1.142879	1.658683	1.45132
GTSE1	1	0.598201	0.541926	0.574263	0.826824	0.445967	0	0.167624	0.067957	0.339833	0.448031	0.597436	0.204689	0.342612
GTSF1	1	0.029514	0.133322	0.171888	0.106065	0.026697	0	0	0	0.101719	1.267447	0.093497	0.273833	2.928783
GTSF1L	1	0	0.660581	0	0	0	0	0	0	0	0	0.132116	0	0
GUCA1A	1	0.204585	0	0.625527	0.465635	0.22207	0	0	0	3.807465	0.068018	0.303563	0.775097	2.553327
GUCA1B	1	0	0	0.07177	0	0	0	0.31424	0.552052	9.768496	0	0.014354	2.126958	148.1782
GUCA2A	1	0.12039	0	0.131464	0	0	0	0.063956	0	0	0	0.050371	0.012791	0.25394
GUCA2B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GUCD1	0.046718	2.557956	2.837812	2.723509	2.749195	4.179141	0.452118	0.774223	0.650411	0.60196	0.924115	3.009523	0.680565	0.226137
GUCY1A1	0.004669	10.76148	16.08129	9.754524	11.04556	10.03675	3.117732	2.303288	2.801345	2.600711	3.369866	11.53592	2.838588	0.246065
GUCY1A2	1	1.104758	1.286295	5.311785	2.339001	0.371839	0.806729	2.074583	0.951728	0.885457	0.512505	2.082736	1.0462	0.50232
GUCY1B1	1	78.47763	83.38012	41.38937	47.03268	63.36636	53.58038	70.87655	31.47673	34.70663	45.75755	62.72923	47.27957	0.753709
GUCY2C	1	2.549261	2.226645	1.207013	1.353906	1.553815	0.41691	0.751193	1.582765	1.132549	1.647083	1.778128	1.1061	0.622059
GUCY2D	1	0.049026	0.046137	0.32121	0.283849	0	1.624924	5.833905	0.432905	1.436185	1.663894	0.140044	2.198363	15.69761
GUCY2E	1	0.093369	0.002572	0	0.032736	0	0	0	0	0	0	0.025735	0	0
GUCY2F	1	0	0	0.041099	0	0	0.032828	0	0	0.048642	0	0.00822	0.016294	1.982298
GUF1	1	3.117899	2.699085	3.248016	2.691149	3.655967	5.438996	3.38333	3.952144	5.336623	3.199376	3.082423	4.262094	1.382709
GUK1	1	24.58862	21.72043	21.45553	26.86825	67.8	88.02365	35.5209	25.31682	23.10283	47.56675	32.48657	43.90619	1.351518
GULO	1	0.621657	0.895263	1.980461	5.745642	2.894163	3.372722	2.738932	14.53343	0.353806	0.293903	2.427437	4.258559	1.754344
GULP1	1	1.616387	1.912319	1.624979	1.014232	0	1.208441	0.926835	0.265236	5.172847	0.767707	1.233583	1.668213	1.352331
GUSB	1	2.66593	1.851325	2.971973	3.08864	3.865576	5.705615	3.652635	5.676492	6.417837	5.317998	2.888689	5.354115	1.853476
GVQW3	1	0.861825	1.354783	1.701501	0.966302	0.168387	0.108245	0.688581	0.374193	1.39006	1.512868	1.010559	0.814789	0.806276
GXYLT1	1	3.156289	2.70404	3.264838	2.473306	1.06847	1.79251	2.727677	1.282326	1.505918	0.154318	2.533388	1.49255	0.589152
GXYLT2	1	1.496472	0.729212	0.541364	0.681854	0.265746	1.665601	1.612724	1.162637	1.059973	0.274708	0.74293	1.155129	1.554829
GYG1	1	23.282	28.85184	19.61469	24.49588	42.8221	35.08663	37.96874	49.70412	43.71778	47.45802	27.8133	42.78706	1.538367
GYG2	1	4.557396	2.871432	4.246882	4.174505	3.119019	2.028328	1.661372	1.778839	2.815465	0.810911	3.793847	1.818983	0.479456
GYPA	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
GYPB	1	0.241061	0.098994	0	0	0.535223	0	0	0	0	0	0.175056	0	0
GYPC	1	4.745958	2.432994	1.943435	2.618163	5.083804	0.571908	0.099522	0.080695	1.049189	2.724945	3.364871	0.905252	0.26903
GYS1	1	6.44323	5.506448	13.23045	13.56551	12.51574	5.081404	8.309116	11.21055	3.928354	8.149329	10.25228	7.33575	0.715524
GYS2	1	0.037877	0.014258	0.055149	0.022687	0	0	0	0	0.065271	0.031482	0.025994	0.019351	0.744423
GZF1	1	3.643801	3.77876	4.185005	4.400047	5.097651	0.943586	2.352272	3.760377	2.817983	5.750519	4.221053	3.124947	0.740324
GZMA	1	0.024842	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
gzmA	1	0	0	0	0	0	0.065004	0	0	0.449492	0.165186	0.004968	0.135936	27.35973
GZMB	1	0.128636	0.048423	0	0	0.407256	0	0	0	0	0	0.116863	0	0
GZMK	1	0	0	0	0	0.251887	0	0	0	0.639805	0	0.050377	0.127961	2.540046
GZMM	1	0	0.124031	0	0	0	0	0.155588	0.331157	0	0.547721	0.024806	0.206893	8.34036
H19	1	0.110802	0	0.155563	0.028442	0	0	0.353172	0.204543	0.695548	0.105251	0.058961	0.271703	4.608161
H1F0	1	21.57893	21.32426	16.18447	17.998	35.64108	45.9262	17.94528	60.67812	33.53234	79.01572	22.54535	47.41953	2.103295
H1FNT	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

H1FOO	1	0	0	0	0.067713	0	0	0	0	0	0	0.013543	0	0
H1FX	1	14.76111	21.00099	25.67502	32.28589	14.4133	14.00152	6.273324	11.9557	12.40031	68.70611	21.62726	22.66739	1.048094
H2AFJ	1	13.09391	10.9023	11.51134	10.36812	37.64042	13.06615	9.137084	19.2145	7.170632	43.99404	16.70322	18.51648	1.108558
H2AFV	1	14.51725	12.05211	17.82342	20.05348	38.25934	73.09888	42.13174	68.27785	51.24965	59.74429	20.54112	58.90048	2.867442
H2AFX	1	2.253135	3.559049	11.39872	14.6396	7.584788	1.64184	1.575731	0.700246	1.179534	9.861471	7.887059	2.991764	0.379326
H2AFY	1	15.61775	14.31887	9.296339	8.835864	22.2011	26.98095	17.12805	21.47328	11.5142	26.31877	14.05399	20.68305	1.471686
H2AFY2	1	7.171234	5.592354	5.650909	3.227196	11.09767	6.390144	6.836737	12.82328	5.611001	13.24196	6.547873	8.980624	1.371533
H2AFZ	1	50.20159	54.62812	53.083	55.18435	122.0467	164.9549	137.8424	118.0837	81.57645	107.7671	67.02875	122.0449	1.820785
H2B_1	1	0	0	0	0	0	0.256958	0	0	0	0	0	0.051392	#DIV/0!
H2B_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
H2B_3	1	0.06613	0.336064	0.072213	0.039608	0	0	0	0	0	0	0.102803	0	0
H3F3A	1	40.93589	38.50748	43.20011	52.24467	94.42115	123.2318	60.09025	106.627	93.86016	80.69147	53.86186	92.90014	1.724785
H3F3B	1	60.20766	52.06389	55.5945	53.61616	96.4751	200.2348	139.0541	354.0039	183.3865	245.2559	63.59146	224.387	3.528572
H3F3C_1	1	1.690687	1.449229	1.646007	1.732454	3.095496	0.959413	0.605985	1.368754	1.684865	0.135445	1.922775	0.950892	0.494542
H3F3C_2	0.107194	0.212728	1.990522	0	0.036404	0.164936	0	0	0	0	0	0.480918	0	0
H4	1	0.049132	0.110971	0	0	0.066665	0	0	0	0	0	0.045354	0	0
HAAO	1	0	0	0.127223	0.055825	0	1.70721	0.099028	0.541989	1.806893	0.600386	0.03661	0.951101	25.97954
HABP2	1	0	0	0.014085	0	0	0	0	0	0.600146	0	0.002817	0.120029	42.60767
HABP4	1	37.1224	42.44234	27.94863	31.31104	41.72971	56.02294	42.66482	20.96169	21.12698	25.84091	36.11083	33.32347	0.922811
HACD1	1	4.319771	4.649671	3.943205	3.739477	5.265939	4.68031	7.063755	6.585135	12.64879	9.368832	4.383613	8.069364	1.840802
HACD2	1	13.43935	13.52419	15.85869	13.29812	5.416335	6.764658	22.01426	13.70661	22.99508	13.93528	12.30734	15.88318	1.290546
HACD3	1	38.09474	37.34773	14.81199	12.72118	36.91763	19.42021	50.03064	77.43026	25.38333	14.61884	27.97866	37.37666	1.335899
HACD4	1	7.236327	1.632299	1.894019	1.653242	6.80716	1.952066	3.269558	2.867942	0.337454	0.883587	3.84461	1.862122	0.484346
HACE1	1	7.04224	7.489105	5.968503	5.309161	4.418942	13.2399	18.84592	20.15204	15.61644	9.78423	6.04559	15.52771	2.568435
HACL1	1	6.964529	9.074107	6.902448	6.507767	11.37366	9.387583	11.06013	11.93584	8.949505	15.63844	8.164503	11.3943	1.39559
HADH	1	9.677252	10.88059	9.442195	11.70684	21.01447	11.11838	11.82806	7.577217	6.589843	6.357032	12.54427	8.694107	0.693074
HADHA	1	33.21998	29.36244	26.56604	33.613	36.3202	36.73068	55.11236	45.92296	42.10835	43.12595	31.81633	44.60006	1.401798
HADHB	1	18.65273	24.34198	18.70716	21.23966	34.26096	25.85348	28.13706	23.8684	37.44273	17.27654	23.44049	26.51564	1.13119
HAGH	1	36.52109	38.96646	32.52927	36.67774	78.01416	40.08047	55.49171	44.83997	39.08833	105.851	44.54174	57.07029	1.281277
HAGHL	1	6.25602	4.74858	7.111429	11.22572	16.87242	4.830463	2.751366	2.584282	3.512484	10.54877	9.242832	4.845472	0.524241
HAL	1	0	0	0.047352	0.010389	0	0	0.009215	0.033621	0.448351	0.072085	0.011548	0.112654	9.755059
HAMP	1	0	0	0	0	0	0	0	0	0	0.300193	0	0.060039	#DIV/0!
HAND1	1	0.042539	0	0.046452	0.050957	0	0	0	0.412272	0.054978	0.070714	0.027989	0.107593	3.844039
HAND2	1	0.09593	0.012037	0	0	0	0	0	0	0.220409	0	0.021593	0.044082	2.041458
HAO1	1	0	0	0	0	0	0	0	0	0.15206	0	0	0.030412	#DIV/0!
HAO2	1	0	0.04411	0.099521	0	0.035331	1.022043	1.092813	1.362769	0.336535	1.417619	0.035792	1.046356	29.23414
HAP1	1	0.164992	0.136336	0.421856	0.395285	0.109203	0.210599	0.247985	0.062402	0.312054	0.120412	0.245534	0.19069	0.776633
HAPLN1	1	4.734812	5.214063	0.212843	0.282131	3.316866	3.060164	5.082392	1.416788	0.272903	0.189008	2.752143	2.004251	0.728251
HAPLN2	1	3.652127	11.40958	66.60386	88.54418	18.77663	5.935307	11.16551	5.189948	7.853292	10.2222	37.79727	8.073253	0.213594
HAPLN3	1	0.625693	0.273522	1.675051	1.946318	1.53361	3.063201	0.986452	0.573798	0.782566	0.905903	1.210839	1.262384	1.04257
HAPLN4	0.005003	47.85076	59.20006	40.10487	56.45468	136.9842	5.148974	22.75081	6.614996	4.260489	3.838387	68.11891	8.522731	0.125115
HAPP	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HARBI1	1	4.269637	3.252587	3.657541	4.155589	3.72063	2.407803	2.170424	2.568406	1.99794	2.187395	3.811197	2.266393	0.594667
HARS	1	24.23886	20.65424	16.76947	20.50765	34.42906	26.03528	42.0155	33.55613	24.27259	31.91043	23.31986	31.55799	1.353267
HARS2	1	11.4446	10.61296	10.65473	10.08872	17.93734	13.59118	18.41088	19.07396	9.215999	14.82954	12.14767	15.02431	1.236806
HAS1	1	0.37889	0.23339	1.071963	0.825218	0.233678	0.315454	0.073193	0.4451	2.893569	5.210505	0.548628	1.787564	3.258245

HAS2	1	0.627968	0.459646	0.270905	0.287894	0.336612	0.405723	0.535407	0.070127	0.260511	0.012888	0.396605	0.256931	0.647827
HAS3	1	0.613886	0.950114	0.786839	0.720904	0.939449	0.5372	0.74847	1.076775	0.74917	0.856537	0.802238	0.79363	0.98927
HASPIN	1	0.0503	0.12781	0	0	0.068249	0	0.066804	0.406245	0.065009	0	0.049272	0.107611	2.184031
HAT1	1	9.723041	8.476231	6.053233	5.498209	9.236302	15.78154	11.09614	14.78493	17.07965	9.288622	7.797403	13.60618	1.744963
HAUS1	0.541815	14.00826	15.70021	7.685479	8.810843	15.12355	5.098094	2.390975	1.580855	0.780783	0.903839	12.26567	2.150909	0.17536
HAUS2	1	19.71302	15.10387	8.912086	8.585443	25.83857	4.19163	6.631841	4.532604	7.424557	5.245434	15.6306	5.605213	0.358605
HAUS3	1	5.382726	4.568332	3.699908	2.906349	4.342606	2.455935	4.387733	5.955076	9.340277	1.614832	4.179984	4.750771	1.136552
HAUS4	1	2.704078	1.917701	2.499298	2.089448	4.08222	13.04047	4.275202	11.87812	6.870276	27.50743	2.658549	12.7143	4.782421
HAUS5	0.135554	11.64931	9.078662	12.72082	14.87754	11.99695	3.483091	1.731422	3.054482	4.671014	4.673626	12.06465	3.522727	0.291987
HAUS6	1	2.579495	3.599592	4.343018	5.254295	3.831443	6.199587	9.006711	14.24353	8.415183	7.574803	3.921569	9.087962	2.31743
HAUS7	1	2.300922	2.288064	2.385587	2.557877	5.345124	1.659622	2.036603	3.460504	1.475482	1.891949	2.975515	2.104832	0.707384
HAUS8	1	0.97068	0.838788	0.729529	0.692014	1.375707	0.555291	0.450943	0.345322	0.345373	2.593508	0.921343	0.858087	0.931344
HAVCR1	1	0	0	0.045778	0	0	0	0	0	0	0.104532	0.009156	0.020906	2.283466
HAVCR2	1	1.522111	1.617271	1.626371	1.529242	1.787666	0.642395	0.469511	0.507588	1.057629	1.992916	1.616532	0.934008	0.577785
HAX1	1	12.00126	13.48437	8.213974	7.144378	29.00025	38.28269	26.92461	33.94208	18.49939	38.11967	13.96885	31.15369	2.230226
HBA	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HBA1	1	0	0.071653	0	0.190013	0	0	0	1.065871	0.328008	0.580103	0.052333	0.394796	7.543901
HBB	1.49E-11	2.473579	0.551788	0.533551	0.073163	2.154624	84.70219	125.1113	210.174	60.30653	533.7874	1.157341	202.8163	175.2433
HBE1	1	1.560258	0	0	0	0	0.60484	0.859566	0.149348	0	0.096062	0.312052	0.341963	1.095855
HBE2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HBE4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HBEGF	1	4.196976	3.283346	3.584481	2.626113	2.608702	6.810113	7.124725	5.908198	5.454514	2.923229	3.259924	5.644156	1.731377
HBG	0.000111	1.991011	0.067118	0	0.213584	0.322564	25.97128	31.44683	55.14299	17.51313	120.2369	0.518855	50.06222	96.48586
HBM	1	0	0	0.079644	0	0	0	0.464953	0.75399	1.319675	4.970966	0.015929	1.501917	94.28927
HBP1	1	6.578421	5.73538	10.71943	11.7673	5.845729	13.09298	15.29702	25.74018	17.97317	9.700325	8.129251	16.36073	2.012576
HBQ1	1	2.628929	2.937708	2.711493	3.191671	4.363856	1.959542	0.778905	1.089943	0.346387	0.6683	3.166731	0.968616	0.305872
HBS1L	1	14.90117	14.79112	9.709219	10.55529	10.21597	7.5709	15.75477	14.12382	15.60099	13.31256	12.03455	13.27261	1.102875
HBZ	1	1.10285	0	0	0.077712	0	0	0	0	0	0	0.236112	0	0
HCAR1	1	0.279477	0	0.325529	0.156233	0	0	0.23755	1.155669	0	0.123889	0.152248	0.303422	1.992946
HCFC1	1	5.165918	4.933536	14.41634	15.59667	7.289451	4.942676	3.97477	5.267498	5.294685	11.28572	9.480383	6.15307	0.649032
HCFC1R1	1	13.71359	12.16537	20.97269	28.12188	74.95721	13.35213	6.174511	5.678044	7.144385	17.78956	29.98615	10.02773	0.334412
HCFC2	1	5.205721	5.698446	6.742576	4.642606	3.552858	4.198259	7.298342	7.934115	11.0232	6.921762	5.168441	7.475136	1.446304
HCK	1	0.718573	0.857596	1.622835	1.496573	0.465334	2.179396	1.839258	11.48032	2.363939	7.519969	1.032182	5.076576	4.918296
HCLS1	1	2.708839	3.324821	4.031838	4.842058	2.881421	4.830657	1.243533	1.340918	2.713415	0.691997	3.557795	2.164104	0.608271
HCN1	1	11.6246	12.5101	10.02546	6.802218	2.526153	4.567217	28.42301	11.80372	21.11445	14.46879	8.697706	16.07544	1.848239
HCN2	1	17.25673	21.6301	52.30955	48.1529	13.40382	24.37222	20.04418	10.66467	12.86951	31.32331	30.55062	19.85478	0.649898
HCN3	1	0.199627	0.108211	2.092689	1.482616	0.086675	1.002923	2.630019	5.221149	2.641914	5.322813	0.793964	3.363764	4.236673
HCN4	1	1.335879	0.672392	2.402652	2.081761	0.254252	1.202088	2.260664	0.952953	0.7031	2.024734	1.349387	1.428708	1.058783
HCRT	1	0	0	0.911482	0.499944	0	0	0	0	0	0	0.282285	0	0
HCRTR1	1	0.727449	0.332517	1.36176	2.005618	1.942723	0	0.024536	0.984788	0	0	1.274013	0.201865	0.158448
HCRTR2	1	0.154749	0.142984	0.430138	0.353893	0	0.147246	0.418515	0	0	0.046772	0.216353	0.122507	0.566235
HCST	1	0	0	0	0.171084	0	0	0	0	0	0	0.034217	0	0
HDAC1	1	10.99865	5.961238	8.192221	8.49883	12.68947	14.34548	8.042999	9.233867	8.730674	6.799857	9.268082	9.430575	1.017533
HDAC10	1	1.706071	1.464911	4.341859	4.526524	4.074915	1.217513	0.494361	0.765241	0.947579	1.464907	3.222856	0.97792	0.303433
HDAC11	1	18.61269	18.40782	40.15964	61.56592	58.47679	26.442	25.85113	26.1164	15.94021	27.57386	39.44457	24.38472	0.618202
HDAC2	1	37.88473	34.37264	18.21065	20.52794	31.12618	43.33006	62.47259	53.26799	64.35588	42.80357	28.42443	53.24602	1.873249

HDAC3	1	14.58785	13.96338	14.03427	15.30204	43.55587	29.75131	27.80743	25.85675	21.02112	30.9121	20.28868	27.06974	1.334229
HDAC4	1	2.401906	2.720242	3.663344	4.339494	3.084278	1.464549	1.798597	1.393269	2.795819	1.795177	3.241853	1.849482	0.570502
HDAC5	1	17.20855	13.6357	27.11087	34.67152	13.39747	47.95575	20.04675	15.88714	21.25703	28.70541	21.20482	26.77042	1.262468
HDAC6	1	4.338584	3.727947	7.775923	5.451372	5.492162	12.99792	6.805894	15.41763	9.873596	11.31475	5.357198	11.28196	2.105944
HDAC7	1	2.286312	1.797092	6.70254	5.578664	6.221924	7.46114	4.030178	7.478378	5.506768	8.157281	4.517306	6.526749	1.444832
HDAC8	1	3.895638	4.115875	2.639689	3.463724	6.181415	4.281788	5.136728	5.382445	5.239034	3.724773	4.059268	4.752954	1.170889
HDAC9	1	5.36862	4.192222	3.015735	2.551645	0.71415	5.298333	4.368479	0.9602	1.872663	0.313951	3.168475	2.562725	0.80882
HDC	0.69254	0.15361	0.082171	2.931026	0.658558	0.087757	0.04231	0	0.041789	0	0	0.782625	0.01682	0.021492
HDDC2	1	14.36308	15.22723	8.45941	9.480552	27.2155	37.36421	18.59724	16.88282	24.89496	20.50015	14.94915	23.64788	1.581887
HDDC3	1	4.568322	3.216434	2.401879	3.023313	9.144645	7.305078	6.980978	4.591443	1.603594	4.101738	4.470919	4.916566	1.099677
HDGF	1	39.4448	33.08436	37.1856	39.0946	30.79424	65.97384	50.71213	85.16583	47.90474	79.06343	35.92072	65.76399	1.830809
HDGFL1	1	0.009433	0.330231	0	0	0	0	0	0	0	0	0.067933	0	0
HDGFL2	1	26.75916	23.12847	29.49927	37.45442	39.68526	18.16254	14.78341	12.04174	15.01312	24.90711	31.30532	16.98158	0.542451
HDGFL3	1	37.08684	37.99157	10.18346	10.08509	25.82233	55.6279	57.59657	41.24066	20.93581	24.68899	24.23386	40.01799	1.651325
HDHD2	1	18.44067	17.94988	13.76544	16.48093	21.94856	12.88407	15.53894	18.03871	12.02755	13.29925	17.7171	14.3577	0.810387
HDHD3	1	7.354588	7.047952	11.27389	8.490409	20.08385	1.456996	0.912052	1.139252	5.876995	2.410445	10.85014	2.359148	0.21743
HDHD5	1	3.720385	3.807899	5.142516	5.539756	6.057541	1.281569	3.522509	1.533551	1.704194	4.603163	4.853619	2.528997	0.521054
HDLBP	1	44.97196	39.15174	56.40483	60.18558	15.89394	20.00347	37.29294	33.62828	31.16587	46.39865	43.32161	33.69784	0.777853
HDX	1	0.771817	0.637769	0.808549	0.435969	0.374618	0.197033	0.920041	2.302844	1.005613	1.189138	0.605744	1.122934	1.853808
HEATR1	1	1.228656	0.773051	2.070002	1.009234	0.190524	0.367426	0.93244	1.179431	0.544432	0.933685	1.054293	0.791483	0.750723
HEATR3	1	7.810988	7.352078	7.145313	5.978134	8.518201	8.474172	12.15585	16.22511	8.645502	9.895555	7.360943	11.07924	1.505138
HEATR4	1	0.234817	0.138502	0.163322	0.171997	0.113644	0.046963	0.050851	0.061847	0.695877	0.668807	0.164456	0.304869	1.8538
HEATR5A	1	2.022225	1.948983	3.257532	2.190478	1.744893	5.228937	5.90728	14.30135	2.533222	2.102002	2.232822	6.014559	2.693703
HEATR5B	1	8.207207	9.249814	10.93367	9.413487	3.524321	7.746476	18.12107	16.64843	19.34984	7.891222	8.2657	13.95141	1.687867
HEATR6	1	5.192	3.832503	5.370622	5.704946	3.906601	3.507586	5.125209	8.807369	6.392982	2.55002	4.801334	5.276633	1.098993
HEATR9	1	0	0.018711	0.054279	0.019848	0	0	0	0	0	0.013772	0.018568	0.002754	0.148339
HEBP1	1	6.163609	4.647224	6.651358	5.928395	12.44612	2.46665	2.041647	0.609069	2.530347	1.717708	7.167341	1.873084	0.261336
HEBP2	1	0.879756	0.760254	1.286471	0.714788	3.363076	7.686765	0.292608	0.375651	5.418077	2.339917	1.400869	3.222604	2.300432
HECA	1	6.609821	9.037766	8.939434	8.339552	7.24589	10.5244	8.904791	8.70105	12.39039	6.194215	8.034493	9.34297	1.162857
HECTD1	1	18.72825	24.58256	28.26955	25.62747	12.80887	9.257091	20.48348	21.39058	24.15841	19.1864	22.00334	18.89519	0.858742
HECTD2	1	7.497158	10.43083	9.99875	3.673746	9.125331	2.929553	11.45339	31.11524	18.93438	20.86435	8.145163	17.05938	2.094419
HECTD3	1	9.729499	9.888822	14.21741	15.34916	15.8736	12.7757	16.03855	23.37754	17.37567	22.22165	13.0117	18.35782	1.410871
HECTD4	1	17.12823	16.28316	22.72739	22.74249	6.887527	24.48037	17.57659	25.07716	13.53044	14.37299	17.15376	19.00751	1.108067
HECW1	0.983197	5.86497	6.53582	5.251083	5.274606	4.670989	1.829902	2.776738	3.130289	1.09017	1.105587	5.519494	1.986537	0.359913
HECW2	1	7.269972	10.82163	8.668967	8.388547	4.049145	3.696516	8.229079	9.448544	12.82142	6.629647	7.839653	8.165042	1.041506
HEG1	1	7.094642	5.169412	10.32229	8.893912	3.41806	8.697734	6.19534	3.213687	3.838262	7.512355	6.979663	5.891476	0.844092
HELB	1	1.229476	1.360119	1.159902	1.006902	0.72629	0.175082	0.257703	0.30262	0.648566	0.646508	1.096538	0.406096	0.370344
HELLS	1	0.292309	0.446394	0.362723	0.41382	0.13521	0.573657	0.388214	0.283296	0.206064	0.099392	0.330091	0.310125	0.939511
HELQ	1	1.621435	1.507367	1.682536	1.529165	1.61659	1.758046	2.084413	3.484372	4.237428	1.362575	1.591419	2.585367	1.624567
HELT	1	0	0	0	0	0	0.383557	0	0	0	0	0	0.076711	#DIV/0!
HELZ	1	3.484391	3.947332	4.641932	4.126294	2.496905	2.10983	3.260626	4.461849	4.614911	2.363846	3.739371	3.362212	0.899139
HEMGN	0.571975	0.012187	0.309676	0.039925	0.0073	0	0.892934	1.618609	7.417733	11.15185	7.627751	0.073818	5.741774	77.78318
HEMK1	1	5.772161	5.726113	5.237026	5.569557	12.81579	7.855257	6.819958	6.701982	8.958305	4.199193	7.02413	6.906939	0.983316
HENMT1	1	3.274507	3.006051	4.475389	2.543306	7.596041	1.216143	0.112228	3.521607	14.90757	13.09909	4.179059	6.571329	1.572442
HEPACAM	0.339841	32.30007	36.23051	73.54224	92.4796	61.70839	18.09214	20.51972	17.56805	11.73994	17.30798	59.25216	17.04557	0.287678
HEPACAM2	1	0.20783	0.187763	0.57493	0.672186	0.808374	2.646593	1.943162	2.846758	1.468353	1.43951	0.490216	2.068875	4.22033

HEPH	1	3.333421	1.382005	2.366695	2.640668	1.744309	1.056612	3.6949	2.470567	0.255613	0.116442	2.293419	1.518827	0.662254
HEPHL1	4.25E-05	0	0	0.010163	0	0	0.681869	0.781161	1.407076	0.336785	0.47186	0.002033	0.73575	361.9851
HERC1	1	0.497339	0.466454	3.396581	1.494448	0.022875	0.022057	0.429893	0.457496	2.941472	1.380242	1.175539	1.046232	0.890002
HERC2	1	9.235071	9.518473	16.54083	12.84847	4.127608	9.231958	16.88008	21.65201	15.15142	14.49152	10.45409	15.4814	1.480894
HERC3	1	9.865768	8.277222	11.87868	7.180423	4.854291	14.20369	20.40141	20.9963	20.98997	31.53977	8.411277	21.62623	2.571099
HERC4	1	8.183699	8.266699	7.379332	6.970459	4.554536	6.604964	11.38628	12.07444	10.96588	5.602096	7.070945	9.326731	1.319022
HERC5	1	1.592997	2.053319	1.619554	1.89508	2.608628	6.640591	4.167098	2.810923	2.83973	0.630063	1.953916	3.417681	1.749145
HERC6	1	2.947383	1.356054	1.625497	1.860427	1.144527	0.519347	0.611543	0.884843	0.359119	0.519647	1.786778	0.5789	0.323991
HERPUD1	1	12.91873	13.09138	14.27503	15.23826	27.89859	18.02367	26.87551	20.66137	21.55459	25.8726	16.6844	22.59755	1.354412
HERPUD2	1	10.97651	9.901606	6.312753	7.564274	7.180171	17.18268	23.00955	26.96988	20.23035	12.85026	8.387063	20.04854	2.390413
HES1	1	5.005621	3.33564	3.168305	4.2584	5.284485	9.37039	3.277101	2.296863	6.553768	5.235937	4.21049	5.346812	1.269879
HES2	1	0.187809	0.038562	0.466099	0.726056	0.34749	0.044676	0.163262	0.044126	0.44132	0.326392	0.353203	0.203955	0.577444
HES3	1	0	0	0.893935	0.686448	0	0	0	0.035262	0.211603	0.87321	0.316076	0.224015	0.708736
HES4	1	5.633265	5.316439	5.816941	6.851747	17.8256	5.139961	2.971377	1.514396	1.067116	1.405762	8.288799	2.419722	0.291927
HES5	1	1.552513	1.600064	1.382586	2.365307	3.067725	4.101844	0.768702	0	0.93506	0.876969	1.993639	1.336515	0.67039
HES6	1	1.315955	1.563428	2.176261	3.489892	6.915075	15.92329	3.798493	2.300105	4.246966	5.829267	3.092122	6.419624	2.076122
HES7	1	0.047011	0.017697	0.10267	0.056314	0	0.041004	0.016649	0	0.08101	0.130247	0.044738	0.053782	1.202144
HESX1	1	1.100442	0.795351	0.929285	0.940325	1.572752	0.84465	0.452088	0.96697	0.758518	1.292707	1.067631	0.862987	0.808319
HEXA	1	4.658903	4.839483	7.738788	7.488809	4.829017	14.96018	13.24034	15.3123	11.7474	16.59322	5.911	14.37069	2.431177
HEXB	1	6.336801	4.812113	3.922958	4.136097	9.342705	6.528062	2.94754	2.708025	6.912916	3.384112	5.710135	4.496131	0.787395
HEXDC	1	3.982452	3.534893	7.93978	5.646963	6.324589	12.9075	8.254152	22.16379	6.979588	21.21461	5.485735	14.30393	2.607477
HEXIM1	1	18.41801	19.66988	31.33548	40.44851	27.11931	17.09107	22.23618	12.79987	10.54558	14.70523	27.39824	15.47559	0.564839
HEXIM2	1	0.626925	0.242739	0.117358	0.085827	0.656203	1.687322	1.084778	1.342494	0.740794	0.803951	0.345811	1.131868	3.273086
HEY1	1	12.46774	9.375741	11.42676	13.34656	4.537188	12.52153	23.76741	29.24207	17.95762	31.57949	10.2308	23.01363	2.249446
HEY2	1	1.100124	0.776102	1.506833	0.790699	0.648674	2.302924	1.246778	2.997653	3.047239	0.984377	0.964486	2.115794	2.1937
HEYL	1	2.380453	1.400506	3.752788	4.544822	5.290449	5.582585	1.138965	0.692626	0.597646	0.672621	3.473804	1.736889	0.499996
HFE	1	0.31532	0.074967	0.072489	0.132533	0.060047	0.897461	0.105796	0.386017	2.430834	1.72883	0.131071	1.109788	8.46706
HFM1	0.010687	0.10013	0.422811	0.019016	0	0.070883	0.683494	1.165615	3.634171	20.00773	7.577059	0.122568	6.613613	53.95877
HGD	1	0.023301	0	0.101778	0.027913	0	0.243887	0.42087	0.421547	1.806893	1.162038	0.030598	0.811047	26.50614
HGF	1	0.190463	0.119887	0.088648	0.104727	0.186406	1.013094	0.597134	0.217877	1.727127	0.399659	0.138026	0.790978	5.730645
HGFAC	1	0.162184	0.131872	0.75091	0.823743	0.3873	0.78086	0.165424	0.067065	0.603671	0.603912	0.451202	0.444186	0.984452
HGH1	1	4.384253	3.485757	10.53086	10.59572	9.792973	0.924199	0.995263	1.527978	1.190806	6.343575	7.757913	2.196364	0.283113
HGS	1	15.43048	15.28867	26.96506	33.08849	19.95166	19.70925	17.98318	19.01758	33.22947	34.19048	22.14487	24.82599	1.121072
HGSNAT	1	29.46084	27.64758	35.90592	41.27469	59.05414	16.31005	21.54063	29.81888	18.91844	15.4882	38.66863	20.41524	0.527953
HHAT	1	0.760393	1.163421	2.142797	1.870711	0.621255	0.641836	0.990327	1.54257	0.76083	0.570851	1.311715	0.901283	0.687102
HHATL	1	2.584599	2.726656	1.946436	2.339041	7.69534	1.060036	1.618374	1.968327	6.743549	14.76153	3.458414	5.230363	1.512359
HHEX	1	1.354073	0.957281	1.274259	1.859407	0.836473	8.296164	1.988403	2.048502	2.219533	0.988209	1.256298	3.108162	2.474064
HHIP	1	0.576031	2.209174	5.380874	7.802049	0.959562	2.77578	2.532906	0.619071	1.002451	0.38871	3.385538	1.463784	0.432364
HHIPL1	1	2.285017	1.286991	3.997338	2.868207	1.983626	0.60243	1.406518	0.550386	0.892648	1.837039	2.484236	1.057804	0.425807
HHIPL2	1	0.068669	0.090473	0.087482	0.041129	0.062115	0.089841	0.072959	0.073946	0	0	0.069973	0.047349	0.676674
HHLA1	1	0.104194	0.441249	0.417183	0.156016	0.094249	0	0	0.089761	0	0	0.242578	0.017952	0.074006
HHLA2	1	0.078858	0.074806	0.289335	0.513883	0	0	0.026811	0.032609	0	0.010487	0.191377	0.013981	0.073057
HIBADH	1	22.99784	22.85872	16.42016	18.9738	35.00015	19.21593	22.05236	17.49073	27.54261	15.78102	23.25013	20.41653	0.878125
HIBCH	1	3.164647	4.00969	3.233523	3.530338	4.055884	3.543676	4.950344	5.268195	5.241755	3.662659	3.598816	4.533326	1.259671
HIC1	1	0.330898	0.272101	0.512183	0.642676	0.235385	0.302627	0.136532	0.083028	1.179168	0.902531	0.398648	0.520777	1.306357
HIC2	1	0.181545	0.39979	0.505522	0.576301	0	0.095009	0.231465	0.445734	0.398873	0.920457	0.332632	0.418308	1.257569

HID1	1	14.00189	14.92533	33.43479	28.9592	14.26547	32.42678	24.99091	60.6762	32.79888	53.11707	21.11734	40.80197	1.932155
HIF1A	1	19.32677	21.60946	16.13824	11.14265	10.41867	13.60308	23.12307	32.03796	22.27752	14.3991	15.72716	21.08815	1.340875
HIF1AN	1	18.64009	15.88317	12.91381	11.38367	5.425074	10.31493	14.56927	13.68091	10.69886	5.897648	12.84916	11.03232	0.858602
HIF3A	1	0.711642	0.792702	6.506439	12.52358	1.992609	1.658987	1.07229	0.685519	0.535117	0.768941	4.505395	0.944171	0.209565
HIGD1A	1	14.63278	13.03576	2.749025	2.193206	42.07632	17.29184	18.8752	11.71865	3.845163	5.944419	14.93742	11.53505	0.772225
HIGD1B	1	2.459746	1.437923	3.033593	3.605146	15.07751	28.1684	1.045367	0.598313	0	0.288629	5.122784	6.020141	1.17517
HIGD1C	1	0	0	0	0	0	0	0	0	0.380374	0.091734	0	0.094421	#DIV/0!
HIGD2A	1	28.78911	27.41868	28.73868	36.0034	55.15635	50.92146	33.21326	23.3909	28.74386	50.21916	35.22124	37.29773	1.058955
HIKESHI	1	14.14891	20.22032	13.94143	13.63838	41.82838	40.02756	25.3098	21.1757	15.19238	15.33505	20.75548	23.4081	1.127803
HILPDA	1	0.203121	0.14116	0.238866	0.187167	0.084801	0.572384	1.195261	0.484574	0	0.597389	0.171023	0.569922	3.332425
HILS1	1	0.701929	2.030066	0	0.020508	2.322932	0	0	0	0	0	1.015087	0	0
HINFP	1	9.921822	9.885485	12.27844	11.92416	26.24209	15.41166	14.22222	28.45193	7.968539	12.70381	14.0504	15.75163	1.121081
HINT1	1	84.74129	78.43908	35.82279	38.83647	301.4251	171.6811	138.4532	96.71468	49.72039	90.17199	107.8529	109.3483	1.013865
HINT2	1	9.652848	8.509144	10.06997	12.43874	48.82887	60.61982	20.59147	19.37649	18.41035	39.94427	17.89991	31.78848	1.775901
HINT3	1	6.274619	7.183032	4.646057	5.566458	4.898251	8.687222	8.983962	6.44213	8.192693	7.242418	5.713684	7.909685	1.384341
HIP1	1	16.53237	14.99343	28.91564	33.0619	27.07882	13.92281	14.16608	15.69815	9.188362	5.834128	24.11643	11.76191	0.487713
HIP1R	1	4.652543	5.096415	16.78357	22.06993	5.777902	9.193548	4.596955	4.171182	7.445038	24.812	10.87607	10.04374	0.923472
HIPK1	1	14.75892	13.65588	29.72462	19.73012	10.53813	28.29076	23.01654	53.15538	71.53248	56.1274	17.68153	46.42451	2.625593
HIPK2	1	4.506369	4.603696	8.703961	5.819395	0.883584	5.111989	1.522166	1.27909	2.01991	3.55069	4.903401	2.696769	0.549979
HIPK3	1	7.423429	9.066817	10.36094	7.796605	4.57347	9.879816	12.00517	14.27627	24.47717	16.31818	7.844252	15.39132	1.962115
HIPK4	1	0.013047	0.066302	0.170962	0.210987	0.035405	0.034139	0	0.033719	0.573302	2.450761	0.099341	0.618384	6.224882
HIRIP3	1	15.80997	11.75847	9.945752	10.35904	9.916721	10.62064	9.765931	9.084	6.237145	10.30622	11.55799	9.202787	0.796227
HIST1H1A	1	0	0	0	0	0	0	0	0	0	0.158076	0	0.031615	#DIV/0!
HIST1H1B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HIST1H1C	1	0.453919	0.256306	0	0	0.739071	10.27406	2.411385	2.522222	0.175995	0.056592	0.289859	3.08805	10.65362
HIST1H1D	1	0.112952	0.17974	0	0	0.292583	0.214951	0.240018	0.225574	0.053084	0.042674	0.117055	0.15526	1.326385
HIST1H1E_1	1	0.313984	0.393982	0.304768	0.278607	0.788934	0.791161	0.321244	0.480873	0.84165	1.643163	0.416055	0.815618	1.960362
HIST1H1E_2	1	0.185643	0	0.135146	0.037063	0	0.080961	0.065747	0.359838	0.639805	0.282884	0.07157	0.285847	3.993925
HIST1H2AA	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HIST1H2AC_1	1	0	0	0	0	0	0.56813	0.384474	0.467612	0	0	0	0.284043	#DIV/0!
HIST1H2AC_2	1	0.546258	0.35251	0.511289	0.810159	0.776477	2.314225	1.71352	1.277319	1.479216	0.77834	0.599339	1.512524	2.523655
HIST1H2AG	1	0	0	0	0	0	0	0.081115	0.197309	0	0.063455	0	0.068376	#DIV/0!
HIST1H2AH	1	0	0	0	0.072925	0	0	0	0	0	0	0.014585	0	0
HIST1H2AJ	1	0	0	0	0	0	0	0	0	0	0.702292	0	0.140458	#DIV/0!
HIST1H2AK	1	0	0	0	0	0	0	0.506085	0.263794	0	0	0	0.153976	#DIV/0!
HIST1H2AM	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HIST1H2BA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HIST1H2BA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HIST1H2BB_1	1	7.279099	7.448254	0.790472	1.637934	7.311914	7.506535	7.491731	6.721195	0.277203	0.200557	4.893535	4.439444	0.907206
HIST1H2BB_2	1	0	0	0	0	0	0	0	0.406177	0	0	0	0.081235	#DIV/0!
HIST1H2BD	1	2.505622	2.268789	2.662142	2.298423	1.28638	11.45888	15.34939	14.46809	1.983817	6.229008	2.204271	9.897839	4.4903
HIST1H2BI	0.756336	0	0.136249	0	0	0	1.262782	1.281855	0.311808	5.613361	3.944294	0.02725	2.48282	91.11363
HIST1H2BJ	1	0	0	0.161802	0	0	0.193859	0.078715	0.191472	0	0.061578	0.03236	0.105125	3.24857
HIST1H2BL	1	0.014282	0.016129	0	0	0.077514	0.037371	0.121394	0.203011	0	0	0.021585	0.072355	3.352134
HIST1H2BM	1	0	0	0	0	0	1.056844	0.643684	0.347943	0	0	0	0.409694	#DIV/0!
HIST1H2BN	1	0.055565	0	0.121351	0.199682	0.452353	7.415106	10.09518	7.898214	0	0.184734	0.16579	5.118647	30.87423

HIST1H3C	1	0	0	0	0	0	0.376577	0	0.18597	0	0.059809	0	0.124471	#DIV/0!
HIST1H3G	1	0	0	0	0	0	0.161922	0.197241	0.239892	0	0	0	0.119811	#DIV/0!
HIST1H3I	1	0	0	0	0	0	0	0.077643	0	0	0	0	0.015529	#DIV/0!
HIST1H4D	1	0	0	0	0	0.146452	0	0	0	0	0	0.02929	0	0
HIST2H2AA4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HIST2H2AB	1	0.35068	0.264017	0	0.093351	0	0	0	0	1.007161	1.165895	0.14161	0.434611	3.069082
HIST2H2AC	1	0	0	0.178722	0.196057	0.22207	0	0	0	4.018991	1.1563	0.11937	1.035058	8.671022
HIST2H2BE	1	27.21937	22.2844	25.63544	27.38742	35.94706	30.98896	23.00563	36.06999	42.66471	20.97432	27.69474	30.74072	1.109984
HIST2H2BF	0.152128	0.061076	0	0	0	0	0.479446	1.816969	0.789238	6.31482	0.558408	0.012215	1.991776	163.0571
HIST2H3D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HIST3H2A	1	0.696971	0.913591	0.733897	0.283269	0.202645	0.325668	0.423151	0.643315	0.643409	0.786192	0.566074	0.564347	0.996948
HIST3H2BB	1	0.406073	0.840731	0.73904	0.40536	0.367316	0.177093	2.516747	4.460259	1.749376	0.731281	0.551704	1.926951	3.492726
HIVEP1	1	3.801216	4.853992	6.164802	5.904606	1.548868	2.550125	3.304388	2.262838	2.077497	1.552291	4.454697	2.349428	0.527405
HIVEP2	1	25.11001	24.98443	20.16337	15.1569	14.3781	22.33406	30.99738	35.0956	36.36897	32.78388	19.95856	31.51598	1.579071
HIVEP3	1	1.810344	1.753068	3.695596	2.745282	1.603661	2.149782	1.4824	1.657672	1.780859	1.959941	2.32159	1.806131	0.777971
HJURP	1	0.027844	0.043236	0.060811	0.087555	0	0.018215	0.022188	0.035981	0.017993	0.046286	0.043889	0.028133	0.640989
HJV	0.000279	0.084713	0	0.074004	0	0.091953	1.950657	2.214135	2.276935	1.357601	1.422295	0.050134	1.844324	36.78785
HK1	1	68.66143	61.4099	52.96522	46.35946	56.0154	65.87636	99.93306	79.47132	82.83282	164.4571	57.08228	98.51413	1.725827
HK2	1	0.32025	0.237088	1.095748	2.28044	0.164154	1.191803	1.164437	0.735705	1.25088	0.242521	0.819536	0.917069	1.11901
HK3	1	0.063847	0.13866	0.203796	0.105898	0.106622	0.642563	0.146108	0.279246	0.101559	0.089807	0.123765	0.251857	2.034966
HKDC1	4.11E-09	0.149012	0.300501	0.371928	0.184876	0.115534	3.620642	7.373277	14.1942	5.172283	7.935511	0.22437	7.659183	34.13633
HLCS	1	4.89573	4.380596	7.019529	8.246822	4.085949	3.370358	4.644051	5.185927	7.413949	4.891924	5.725725	5.101242	0.890934
HLF	1	35.91896	36.39014	21.70312	26.76193	40.84918	22.48141	16.60393	8.383022	20.12218	10.76259	32.32467	15.67063	0.484789
HLTF	1	10.30257	10.52575	11.96766	8.297366	5.841928	10.31514	18.91454	28.36057	23.19762	20.76304	9.387055	20.31018	2.163638
HLX	1	0.147881	0.009278	0.340909	0.285401	0.066883	0.34396	0.139662	0.127397	0.127415	0.081942	0.17007	0.164075	0.964748
HM13	1	11.08469	9.808558	11.77253	13.073	15.66369	10.3953	7.101084	8.274229	7.651252	11.42104	12.28049	8.968579	0.730311
HMBOX1	1	3.062866	3.813487	4.9819	1.880549	1.008522	3.252743	4.166489	3.461094	4.670672	1.459281	2.949465	3.402056	1.153449
HMBS	1	10.20855	8.44893	10.6167	10.62382	22.4903	14.58165	13.50437	16.21002	4.71967	4.828865	12.47766	10.76891	0.863056
HMCES	1	4.237737	3.339114	7.172665	5.630144	4.33857	5.393157	3.990842	4.978268	5.128362	10.88701	4.943646	6.075527	1.228957
HMCN1	1	0.157823	0.240488	0.439111	0.340557	0.181872	1.555703	1.104867	0.514045	0.44706	0.123989	0.27197	0.749133	2.754468
HMCN2	1	0.175467	0.069622	0.189017	0.144861	0.057911	0.130296	0.161236	0.021449	0.361614	0.011825	0.127376	0.137284	1.077787
HMG20A	1	35.46469	32.7654	21.06537	24.05906	30.60705	28.28602	29.92311	32.57181	22.66774	23.41721	28.79231	27.37318	0.950711
HMG20B	1	2.481684	2.030683	5.948112	6.67619	6.363508	3.632088	2.569691	1.657797	3.4248	5.838471	4.700035	3.424569	0.728626
HMGA1	1	9.169942	9.968319	16.86225	17.74309	23.07963	41.02903	17.84946	10.67368	8.467813	15.76713	15.36465	18.75742	1.220817
HMGA2	1	0.01307	0.014759	0	0	0	0	0	0	0	0	0.005566	0	0
HMGB1	1	55.36054	43.78376	39.16881	38.69643	96.84606	176.5678	137.2875	110.7434	111.8531	100.7683	54.77112	127.444	2.326847
HMGB1P1	9.44E-08	1.187297	0.661704	2.559335	1.329902	3.263777	38.33012	38.5978	30.80457	20.08766	36.34654	1.800403	32.83334	18.23666
HMGB2	1	4.197119	4.223429	5.385672	5.301585	9.838487	9.059452	4.129654	8.019341	7.936081	10.83201	5.789258	7.995308	1.381059
HMGB3	1	13.65961	10.68323	2.449609	3.999556	23.9017	14.87948	10.32815	2.696562	3.685838	8.614432	10.93874	8.040894	0.735084
HMGB4	1	0	1.604655	0	0	0	0	0	0	0	0	0.320931	0	0
HMGCL	1	3.162145	2.410444	4.390243	5.438362	9.040718	16.78495	15.45462	12.95906	7.998424	11.47052	4.888382	12.93351	2.645766
HMGCLL1	1	9.849306	8.506397	4.972386	6.80632	7.620955	10.4454	18.70208	20.82797	9.462745	16.33949	7.551073	15.15554	2.007071
HMGCR	1	47.00178	42.83395	20.79708	21.95808	23.80092	27.22013	54.411	27.77115	34.47071	18.28841	31.27836	32.43228	1.036892
HMGCS1	1	80.06665	66.24955	24.40494	27.45145	46.0419	46.74506	74.33343	21.53151	46.89464	30.43334	48.8429	43.9876	0.900594
HMGCS2	1	0.027646	0	0.040252	0	0.050015	0	0	0	0	0	0.023583	0	0
HMGN1	1	42.35057	29.62968	30.7966	34.86739	60.44702	37.14316	20.11994	29.22769	30.80442	25.90438	39.61825	28.63992	0.722897

HMGN2	1	67.30334	56.86847	43.63118	55.1822	110.1994	176.3136	70.36833	140.0293	111.7986	104.9543	66.63693	120.6928	1.8112
HMGN3	1	23.97954	17.90296	12.3518	10.79538	21.54876	20.92792	16.93453	50.08838	30.86218	29.62941	17.31569	29.68848	1.714543
HMGN4	1	12.59026	9.823855	0.263378	0.404493	15.49026	12.41204	13.06933	15.83307	0.415627	0.58805	7.71445	8.463621	1.097113
HMGN5	1	2.263304	1.494029	0.410734	0.870069	0.633544	0.203632	0.096464	0	0	0.032341	1.134336	0.066487	0.058614
HMGXB3	1	7.395468	6.188439	8.288432	9.399167	6.794046	10.30819	10.57121	10.21855	6.117103	7.22032	7.61311	8.887074	1.167338
HMGXB4	1	3.835084	3.497364	2.751742	3.079622	3.522776	3.46345	3.443645	5.591696	5.504784	5.014114	3.337318	4.603538	1.379413
HMMR	0.004981	2.682983	3.241297	3.066033	3.886611	2.79377	0.054422	0.232026	0.13438	0.02688	0.509963	3.134139	0.191534	0.061112
HMOX1	1	1.661386	0.571021	1.840493	2.192064	1.143449	2.646175	1.381445	0.591169	1.867122	1.04067	1.481683	1.505316	1.015951
HMOX2	1	26.41941	26.91999	30.37568	38.69338	48.06789	18.43824	23.80068	17.23291	13.19626	20.92633	34.09527	18.71889	0.549017
HMX1	1	0.038173	0.021554	0.041684	0.022863	0	0	0	0	0.098669	1.284973	0.024855	0.276728	11.13383
HMX2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HMX3	1	0.009761	0	0	0.023386	0	0	0	0	0	0.008113	0.00663	0.001623	0.244764
HNF1A	1	0	0	0.033145	0	0	0	0	0	0.117685	0.933449	0.006629	0.210227	31.71339
HNF1B	2.12E-05	0.007237	0	0.015806	0.034678	0	2.083144	1.476381	1.365427	0.411558	0.084216	0.011544	1.084145	93.91154
HNF4A	1	0	0	0.027677	0.030361	0	0	0.134644	0.163759	0.458591	0.056176	0.011608	0.162634	14.0111
HNF4G	1	0.017814	0.040236	0.136171	0.074689	0	0	0.056782	0.115101	0.184188	0.41459	0.053782	0.154132	2.865862
HNMT	1	6.866527	7.586747	3.769322	3.612494	7.755564	4.419008	6.842008	6.067265	9.929696	6.169978	5.918131	6.685591	1.129679
HNRNPA0	1	12.31819	12.39023	14.28495	15.09435	20.08261	34.16746	46.42356	46.76688	39.12828	55.92433	14.83407	44.4821	2.998645
HNRNPA1	1	56.26733	53.58154	46.50616	43.8222	120.8346	85.92063	53.5313	90.7018	45.16283	66.99409	64.20237	68.46213	1.066349
HNRNPA2B1	1	160.2896	127.2351	152.3478	152.7211	141.9912	208.5338	254.2974	345.1278	195.0476	156.3895	146.917	231.8792	1.578301
HNRNPA3	1	59.06182	66.18769	52.30368	49.02108	67.79463	64.69939	75.45994	101.5372	115.0416	81.39684	58.87378	87.62699	1.488387
HNRNPAB	1	29.0729	28.22955	22.90894	22.61586	31.70518	45.20059	36.4792	36.34507	35.11598	41.58116	26.90649	38.9444	1.447398
HNRNPC	1	25.55975	28.12439	27.95227	26.19646	28.50017	50.51756	39.73909	45.78591	27.8257	26.10505	27.26661	37.99466	1.39345
HNRNPD	1	89.56616	84.77588	61.34652	57.81714	88.64916	115.1144	92.90348	159.8687	175.9234	156.5353	76.43097	140.0691	1.832622
HNRNPDL	1	54.1094	64.84269	47.47629	45.4513	64.9808	81.90868	88.46672	138.115	113.8867	80.9028	55.3721	100.656	1.81781
HNRNPF	1	15.43314	14.90963	20.95817	22.58113	19.65663	23.34761	16.97963	22.78044	14.49137	16.64298	18.70774	18.8484	1.007519
HNRNPH1	1	68.05498	73.48095	67.68348	55.42036	54.09354	109.0215	114.5153	200.531	132.9047	143.7924	63.74666	140.153	2.198593
HNRNPH2	1	43.10379	44.2044	24.4272	24.6609	29.88917	41.21299	70.57681	55.04859	46.5617	60.05647	33.25709	54.69131	1.644501
HNRNPH3	1	35.6738	32.43398	24.54913	28.69075	36.05235	39.85574	40.19234	65.42812	50.87258	39.47656	31.48	47.16507	1.498255
HNRNPK	1	91.18	84.52362	79.24971	86.94354	104.9957	189.9658	188.4001	209.9988	200.5514	183.0528	89.37852	194.3938	2.174949
HNRNPL	1	49.68265	48.96914	53.51103	62.33538	75.38919	85.43365	80.04709	107.6053	82.07869	143.2402	57.97748	99.68098	1.719305
HNRNPLL	1	10.85576	10.18256	7.792674	8.433129	8.836446	15.40902	17.52267	17.62544	30.06363	16.16278	9.220115	19.35671	2.0994
HNRNPM	1	53.10737	49.41191	59.05873	58.54713	29.41216	59.7031	66.85994	103.7724	97.54618	96.76085	49.90746	84.92849	1.701719
HNRNPR	1	45.8153	50.2218	36.31765	35.62037	37.96138	49.55174	66.72077	83.11297	68.98433	65.03527	41.1873	66.68102	1.61897
HNRNPU	1	31.92992	34.15658	32.70062	29.47448	28.01941	35.10072	36.84158	52.68463	56.6514	37.18484	31.2562	43.69263	1.397887
HNRNPUL1	1	22.87862	25.96261	40.32993	40.86872	36.97007	51.95361	30.82057	53.652	47.96994	91.29584	33.40199	55.13839	1.650752
HNRNPUL2	1	95.66552	85.46822	84.34401	89.52557	37.82262	107.9845	82.27447	113.3292	79.5611	129.6759	78.56519	102.565	1.305477
HOGA1	1	0.328225	0.551479	2.063074	0.843896	0.15207	0.879802	1.07171	1.055176	2.441744	1.091239	0.787749	1.307934	1.660344
HOMER1	1	30.73377	34.23706	13.41745	15.33569	21.83788	13.35763	41.12107	7.512606	8.550866	4.706174	23.11237	15.04967	0.651152
HOMER2	1	5.051607	6.136992	3.029762	2.532831	5.971463	5.657858	6.505703	2.052299	2.57193	2.115268	4.544531	3.780612	0.831904
HOMER3	1	2.967776	1.762353	14.38146	4.635652	3.108824	2.07714	3.718652	22.47394	31.66395	100.5431	5.371213	32.09535	5.975439
HOMEZ	1	2.586063	2.415685	2.274832	2.213418	4.24529	1.086039	1.348372	3.063285	1.175978	0.981847	2.747057	1.531104	0.557362
HOOK1	1	5.590812	5.543148	3.18433	2.845442	2.035112	5.67653	4.732927	9.266746	10.6658	5.243477	3.839769	7.117095	1.853522
HOOK2	1	1.728495	1.611287	3.514149	2.529839	2.353811	3.322268	2.604465	4.028599	4.419106	7.063179	2.347516	4.287524	1.826408
HOOK3	1	8.127961	11.56535	16.63842	13.36419	5.844513	2.847288	4.499918	4.521316	7.723097	4.409688	11.10809	4.800261	0.432141
HOPX	1	11.41967	13.49686	26.91658	23.90569	44.25586	85.8359	56.70049	21.5082	6.704203	18.58006	23.99893	37.86577	1.577811

HORMAD1	1	0.070491	0.136468	0.109964	0.144756	0	5.059252	0.213986	0.234232	0.104118	0.11718	0.092336	1.145754	12.40854
HORMAD2	1	0.018734	0.253878	0.081829	0.190752	0.25419	0.098041	0	0.096834	0	0.451562	0.159877	0.129288	0.808672
HOXA1	1	0	0	0.073441	0	0	0	0	0	1.043048	0.307449	0.014688	0.270099	18.38891
HOXA10	1	0	0	0.02303	0	0	0.055186	0	0	0	0	0.004606	0.011037	2.396255
HOXA11	1	0	0.018387	0	0	0	0	0	0	0	0	0.003677	0	0
HOXA13	1	0.002802	0.003165	0	0	0	0	0	0	0.014487	0	0.001193	0.002897	2.427851
HOXA2	1	0	0	0	0	0	0	0	0.072176	0	0	0	0.014435	#DIV/0!
HOXA3	1	0	0	0.044068	0	0	0	0	0	0	0	0.008814	0	0
HOXA4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXA5	1	0.045502	0	0	0	0	0	0	0	0	0	0.0091	0	0
HOXA6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXA7	1	0.049663	0	0	0	0	0	0	0	0.04279	0	0.009933	0.008558	0.861606
HOXA9	1	0	0.010296	0.099555	0	0	0.047712	0.038746	0	0	0	0.02197	0.017292	0.787048
HOXB1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXB13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXB2	1	0	0	0.109891	0.030137	0.068272	0	0	0	0	0.020911	0.04166	0.004182	0.100389
HOXB3	1	0	0.00636	0	0	0	0	0	0	0	0	0.001272	0	0
HOXB4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXB5	1	0.01007	0	0	0	0	0	0	0	0	0	0.002014	0	0
HOXB6	1	0	0	0.006436	0	0	0	0	0	0	0	0.001287	0	0
HOXB7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXB8	1	0	0.010456	0	0.022181	0	0	0	0	0	0	0.006527	0	0
HOXB9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXC10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXC11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXC12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXC13	1	0	0	0	0	0	0.041895	0	0	0	0	0	0.008379	#DIV/0!
HOXC4	1	0.00209	0	0.02739	0	0	0.021878	0.008883	0	0.010806	0	0.005896	0.008313	1.409992
HOXC5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXC6	1	0	0.002715	0	0	0	0	0	0	0	0	0.000543	0	0
HOXC8	1	0	0.01929	0	0	0	0	0	0	0	0.028395	0.003858	0.005679	1.471996
HOXC9	1	0.008955	0	0	0	0	0	0	0	0	0	0.001791	0	0
HOXD1	1	0.040173	0.204154	0.416747	0.48123	0.327049	0.210239	0	0	0.5192	1.652828	0.293871	0.476453	1.621303
HOXD10	1	0.010726	0	0	0	0	0	0	0	0	0	0.002145	0	0
HOXD11	1	0.009636	0	0	0	0	0	0	0	0	0	0.001927	0	0
HOXD12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HOXD13	1	0	0.009095	0	0	0	0	0	0	0.041634	0	0.001819	0.008327	4.577713
HOXD3	1.17E-08	0.367718	1.212476	3.113185	4.513639	2.722575	0.023758	0.024117	0	0.011734	0.049053	2.385919	0.021732	0.009109
HOXD4	1	0	0	0	0	0	0	0	0	0.06569	0	0	0.013138	#DIV/0!
HOXD8	1	0	0.017898	0	0	0	0	0	0	0.040966	0.052692	0.00358	0.018732	5.232848
HOXD9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HP	1	0.98409	0.923507	2.451921	11.67214	2.331984	0.145072	0.088358	0.143286	48.22274	1.290277	3.672728	9.977946	2.716767
HP1BP3	1	35.04093	31.68318	23.80849	23.78922	30.4302	26.43414	24.05962	29.12776	28.70412	30.30023	28.95041	27.72518	0.957678
HPCA	1	67.98946	68.52701	33.0244	62.99793	107.7325	115.5014	89.55914	29.30353	2.816524	93.16471	68.05427	66.06907	0.970829
HPCAL1	1	39.75315	25.05682	57.6739	27.26566	45.92437	23.38448	3.783479	42.10029	25.88781	239.7572	39.13478	66.98265	1.711589
HPCAL4	1	139.1893	95.61583	40.23669	102.177	83.38092	241.4506	139.4278	4.880315	4.679934	13.93177	92.11995	80.87407	0.877921

HPD	1	0.025869	0	0.254236	0.077471	0	0	0	0	11.30046	0.795553	0.071515	2.419203	33.82786
HPDL	1	0.082758	0.011682	0.09037	0.080547	0.112289	0.324825	0.252794	0.093574	1.390443	4.961165	0.075529	1.40456	18.59622
HPF1	1	15.99739	14.12806	8.383708	7.639624	23.49044	93.64431	20.3767	20.5536	20.00314	17.16088	13.92785	34.34773	2.466119
HPGD	1	4.792309	2.97352	3.816691	4.103142	6.365372	0.528422	1.600958	0.22081	6.906345	4.893471	4.410207	2.830001	0.641694
HPGDS	1	0.098587	0	0	0	0	0	0	0	0.063708	0.040971	0.019717	0.020936	1.061788
HPN	1	0.524665	0.834348	1.777235	1.385251	3.603008	0.728463	0.705337	6.530784	3.597989	2.011328	1.624901	2.71478	1.670735
HPRT1	1	139.5408	154.4561	55.20316	65.25271	249.1504	48.12849	72.42967	36.90472	30.21544	26.96071	132.7206	42.92781	0.323445
HPS1	1	2.181402	1.881001	4.30939	4.8464	3.37713	8.196733	4.122563	8.340387	1.663428	8.227819	3.319065	6.110186	1.840936
HPS3	1	3.181691	3.265013	2.26165	2.104931	2.594034	7.185116	7.457937	7.375178	5.523104	6.605448	2.681464	6.829357	2.546876
HPS4	1	6.741976	5.725029	7.874297	8.808305	7.508486	1.413302	1.85246	2.632617	2.645247	3.552033	7.331619	2.419132	0.329959
HPS5	1	2.383688	3.531697	6.169933	4.828156	2.036394	5.846368	5.793973	7.70502	7.56571	5.633276	3.789974	6.508869	1.717392
HPS6	1	0.745501	0.712375	1.362005	1.494109	0.816998	1.087904	0.304644	0.111156	0.407631	0.750712	1.026198	0.53241	0.518818
HPSE	1	0.282674	0.229843	1.382863	0.108356	0.122734	1.360981	10.3315	1.198111	1.870495	0.169164	0.425294	2.98605	7.021144
HPSE2	1	0.231077	0.147497	0.087768	0.092269	0.172671	0.052578	1.060334	0.034621	0.103877	0.300621	0.146256	0.310406	2.122345
HPX	1	0	0.014448	0	0.015325	0	0.133905	0.054371	0.264513	14.48419	0.446609	0.005955	3.076717	516.6948
HR	1	2.1956	3.063899	7.790026	7.186271	4.212824	2.417991	6.652713	3.534561	1.968177	4.356434	4.889724	3.785975	0.774272
HRAS	1	5.099326	5.698187	5.071015	6.129847	8.09432	12.43186	8.387791	4.939209	4.986095	15.73623	6.018539	9.296238	1.5446
HRASLS	1	3.055023	2.964597	0.802104	1.614821	3.397676	0.720768	0.532112	0.51774	0.237332	0.749282	2.366844	0.551447	0.232988
HRASLS5	1	0	0.054523	0	0	0	0	0.333425	0	0.124795	0.561801	0.010905	0.204004	18.70817
HRC	1	1.148425	1.468891	0.193998	0.205214	1.291346	0.962942	0.714577	1.000279	1.082426	0.295325	0.861575	0.81111	0.941427
HRCT1	1	0.136944	0.132558	0.29908	0.445263	0.760938	0.7508	0.041571	0.151682	0.101136	0.281848	0.354957	0.265407	0.747717
HRG	1	0	0	0.396058	0.298699	0	0	0	0	0	0	0.138951	0	0
HRH1	1	2.238751	2.682214	0.922155	0.442574	3.747787	0.230179	0.71966	0.193243	0.181902	0.014623	2.006696	0.267922	0.133514
HRH2	1	1.445673	1.663479	0.723473	1.159645	2.199369	0.201976	0.457893	0.145461	0.166265	0.016039	1.438328	0.197527	0.137331
HRH3	1	9.333037	6.040206	17.83143	35.14982	9.254726	11.09743	0.631417	0.034907	0.663329	0.23575	15.52184	2.532567	0.163162
HRH4	1	0.100837	0	0	0	0	0	0	0	0	0	0.020167	0	0
HRK	1	0.035979	0.162524	0.157152	0.258592	0	0	0	0	0	0	0.122849	0	0
HS1BP3	1	2.503732	2.115712	4.735611	6.580242	3.012717	3.298408	2.002793	1.434624	2.03268	2.441472	3.789603	2.241996	0.591618
HS2ST1	1	6.53248	8.427203	5.276242	5.747537	3.552949	4.231737	11.22992	6.962624	7.014991	3.054965	5.907282	6.498847	1.100142
HS3ST1	1	3.712847	3.754242	3.622	3.552708	5.939851	8.444664	8.461094	3.262904	1.815134	3.725548	4.11633	5.141869	1.249139
HS3ST2	1	15.14074	12.43817	5.98799	8.35109	23.18444	30.99918	18.49269	0.967377	1.499652	7.280021	13.02049	11.84778	0.909934
HS3ST3A1	1	0	0.069653	0.269404	0	0	0	0	0	0	0.051265	0.067811	0.010253	0.151197
HS3ST3B1	1	0.064373	0.072697	0.527207	0.809679	0	0	0.034197	0	0	0.214019	0.294791	0.049643	0.168402
HS3ST4	1	8.874407	11.80854	3.959313	7.897713	23.52946	23.91425	23.70555	2.544478	1.158345	1.817221	11.21389	10.62797	0.947751
HS3ST5	1	2.065707	2.771556	2.948981	4.103353	5.091371	1.586866	4.711691	0.23265	1.0532	0.441051	3.396194	1.605091	0.472615
HS3ST6	1	0.058235	0.032883	0	0.0872	0	0.152382	0.433115	0.413891	0.150528	0.871258	0.035664	0.404235	11.33468
HS6ST1	1	4.195578	5.794557	13.34204	11.51193	0.230786	1.335213	1.897533	3.113766	4.46982	15.55114	7.014977	5.273494	0.751748
HS6ST2	1	3.740361	4.608012	2.961838	2.652337	4.602956	4.469449	11.32559	39.40273	32.56104	13.6974	3.713101	20.29124	5.46477
HS6ST3	1	5.723336	8.742707	4.511424	3.62094	0.205712	1.933993	10.36975	0.048979	0.734791	0.078759	4.560824	2.633254	0.577364
HSBP1	1	179.8463	178.7825	94.73128	116.8277	232.1308	145.8459	127.8048	104.0165	82.59071	114.3225	160.4637	114.9161	0.71615
HSBP1L1	1	1.352964	1.583247	3.923906	2.709874	1.337105	0.227944	0.254525	0.738731	0.703655	1.402845	2.181419	0.66554	0.305095
HSCB	1	6.071687	5.99662	6.08359	5.995858	11.51588	5.808356	2.728386	4.162017	5.175152	9.044058	7.132726	5.383594	0.754774
HSD11B1	0.000891	0.420226	0.559742	0.658903	0.645367	1.666674	1.071396	10.50945	0.306322	9.135295	5.391421	0.790182	5.282776	6.685514
HSD11B1L	1	2.638812	3.022168	1.967591	2.669303	5.367035	0.809057	0.815614	0.867982	2.287397	1.993903	3.132982	1.354791	0.432428
HSD11B2	1	0	0.020702	0.060054	0	0	0.095936	0.077908	0.023689	0	0	0.016151	0.039507	2.446049
HSD17B1	1	0.242804	0.26049	0.795411	0.756219	0	0	0.103189	0.125503	0.439323	0.262354	0.410985	0.186074	0.452751

HSD17B10	1	16.11482	17.66331	30.79488	36.90442	82.31593	28.73149	16.91177	20.0073	21.84788	29.41451	36.75867	23.38259	0.636111
HSD17B11	2.11E-07	6.154434	7.655156	7.151018	6.217968	7.42932	0	0.04654	0.169813	0.22645	0.054612	6.921579	0.099483	0.014373
HSD17B12	1	30.53844	33.04782	33.33318	32.78808	13.92365	9.052704	22.77323	16.2354	29.38261	19.30716	28.72623	19.35022	0.673608
HSD17B13	1	0.0161	0.036364	0.070324	0.202506	0.152917	0	0	0	3.121207	0.200729	0.095642	0.664387	6.946572
HSD17B14	1	1.823386	1.111947	2.15039	2.358961	3.760534	0.190848	0.464953	0.659741	0.188525	2.515794	2.241044	0.803972	0.358749
HSD17B2	1	0	0.072884	0	0	0	0	0	0	0.53383	0	0.014577	0.106766	7.324341
HSD17B3	1	0.023072	0.052111	0	0	0.125221	0.24149	0	0	0	0	0.040081	0.048298	1.205009
HSD17B4	1	15.058	14.02293	12.04948	13.66691	11.6965	20.86259	37.22559	50.72538	45.28174	110.9808	13.29877	53.01523	3.986477
HSD17B6	6.98E-05	0.939646	0.013604	0.078929	0.072154	0.065382	29.50486	29.97612	11.20829	11.39675	2.683446	0.233943	16.95389	72.47018
HSD17B7	1	3.861999	3.006148	2.489832	1.679308	5.343716	4.310561	8.183371	5.667245	3.665915	5.313672	3.276201	5.428153	1.656844
HSD17B8	1	19.74598	18.659	14.62775	14.2199	47.03668	20.20278	7.423869	5.836546	5.089012	20.92035	22.85786	11.89451	0.520368
HSD3B1	1	0.030162	0.005677	0.285448	0.036131	0	0	0.106821	0.3248	0.129939	0.008357	0.071484	0.113983	1.594538
HSD3B7	1	1.882843	1.857832	3.198265	2.813611	5.083611	1.194368	1.980266	4.792371	3.097059	10.00624	2.967232	4.21406	1.420199
HSDL1	1	18.85023	17.88765	16.99985	18.21951	19.69606	6.713724	11.06384	15.09909	22.1366	11.6523	18.33066	13.33311	0.727367
HSDL2	1	10.81208	7.979014	10.19706	13.05425	10.064	16.96997	16.16544	14.94237	23.49832	9.073585	10.42128	16.12994	1.547788
HSF1	1	10.28477	9.322795	16.35785	20.5609	11.55116	14.04093	6.998593	9.312029	10.75818	20.75621	13.6155	12.37319	0.908758
HSF2	1	13.40611	14.32219	9.030739	8.25554	8.755388	11.92817	15.20087	17.79134	18.27162	11.82754	10.75399	15.00391	1.395194
HSF2BP	1	1.099609	1.51363	0.943874	1.356534	2.167466	0.973417	0.511497	0.395883	1.498919	2.109834	1.416223	1.09791	0.775238
HSF4	1	3.438193	2.760583	15.97264	9.582269	15.28954	22.6735	7.664951	6.574475	2.260305	12.70278	9.408646	10.3752	1.102731
HSF5	1	0.105305	0.268866	0.259979	0.153567	0.372734	0.047921	0.145935	0.449646	0.923092	0.15983	0.23209	0.345285	1.48772
HSH2D	1	0.049916	0.126833	0.109015	0.269073	0.948189	0	0.159103	0	0	0	0.300605	0.031821	0.105855
HSP90AA1	1	610.9684	561.2355	458.4403	536.4999	681.9373	281.8667	598.9151	570.1194	337.4058	356.716	569.8163	429.0046	0.752882
HSP90AB1	1	477.0388	415.9251	273.7695	319.1332	416.8811	467.6975	574.912	648.3086	526.6556	704.8868	380.5495	584.4921	1.535916
HSP90B1	1	208.5318	200.9825	120.8557	135.1627	140.6528	110.9561	262.2206	201.7164	223.639	128.8375	161.2371	185.4739	1.150318
HSPA12A	1	66.70256	75.81655	38.79662	51.74124	48.98987	29.58775	60.96269	7.151791	15.39237	7.447759	56.40937	24.10847	0.427384
HSPA12B	1	1.807439	1.362984	7.04613	6.770408	4.137922	5.083785	0.875733	0.699923	1.400049	1.242931	4.224976	1.860484	0.440354
HSPA13	1	31.42552	34.13589	23.01614	21.68198	3.202256	8.835809	52.94762	36.22177	37.82254	34.26816	22.69236	34.01918	1.499147
HSPA14	1	6.697508	6.770478	6.857243	6.263983	9.575649	15.64201	16.19276	19.03426	22.77243	16.2275	7.232972	17.97379	2.48498
HSPA1A	1	43.61203	39.6068	94.28537	90.62655	38.91396	48.94461	112.305	96.48766	221.2985	245.4449	61.40894	144.8961	2.359528
HSPA1L	1	0.681987	1.40493	0.900207	0.619444	0.935513	0.549087	1.162536	1.665714	1.433497	3.027327	0.908416	1.567632	1.725676
HSPA2	1	5.660799	7.436039	7.89856	10.39523	3.200322	5.554653	23.76546	13.10605	21.49096	21.94065	6.918191	17.17155	2.482087
HSPA4	1	66.09597	68.25214	47.45868	51.20634	49.92245	30.18263	88.78161	53.54339	53.08971	38.3751	56.58712	52.79449	0.932977
HSPA4L	1	12.86225	19.66001	9.360248	7.845059	6.79371	5.66079	27.17262	13.3975	14.99379	10.41172	11.30426	14.32728	1.267424
HSPA5	1	108.8459	104.8103	104.2395	107.8796	121.2229	82.54844	217.3016	119.4683	166.2196	117.2604	109.3997	140.5597	1.284827
HSPA6	1	0.178582	0.067225	0.195008	0.240663	0.201922	0.467289	0.838014	0.557688	6.924035	0.197909	0.17668	1.796987	10.17086
HSPA8	1	774.0156	903.5619	635.304	754.4747	754.9126	471.6793	1225.015	686.1877	543.7318	351.7039	764.4538	655.6636	0.857689
HSPA9	1	92.89494	87.01629	73.9083	75.1477	47.98278	90.53265	146.4866	121.7976	119.8163	121.3483	75.39	119.9963	1.591674
HSPB1	1	46.48733	24.42926	80.67973	87.68828	61.16937	22.16582	7.990466	3.844603	29.37277	44.9583	60.09079	21.66639	0.360561
HSPB11	1	3.846736	3.809334	2.603803	2.343801	6.617238	4.413218	2.471656	3.006121	2.126066	0.656029	3.844183	2.534618	0.659339
HSPB2	1	1.508776	2.59395	4.475444	5.907617	11.61076	5.303229	2.823258	0.989386	3.376044	5.091046	5.21931	3.516592	0.673766
HSPB3	1	2.401578	0.975143	0.353592	0.387888	1.977096	1.835811	6.766083	0.139477	1.534474	0.134569	1.219059	2.082083	1.707942
HSPB6	1	6.750965	7.437606	38.66102	41.83319	42.4939	2.125114	1.671839	0.885493	6.625761	18.5422	27.43534	5.970082	0.217606
HSPB7	1	0.417164	0.096144	0.204526	0.265156	0.554471	0.668313	0.090454	0.022003	3.652992	0.580246	0.307492	1.002802	3.261226
HSPB8	1	37.13806	34.51806	43.70668	59.13561	82.59774	18.15155	20.39392	14.38827	16.4534	34.98747	51.41923	20.87492	0.405975
HSPB9	1	0	0.737005	0	0.347452	0	0	0	0	0	0.06027	0.216891	0.012054	0.055577
HSPBAP1	1	2.107698	1.542499	1.131495	1.495132	3.786438	1.417298	3.853227	2.662749	1.97833	2.084602	2.012652	2.399241	1.192079

HSPBP1	1	6.995597	5.824212	7.137219	10.23948	16.07383	18.38529	10.09104	4.381363	7.813688	21.20386	9.254069	12.37505	1.337255
HSPD1	1	16.92953	13.82005	15.56007	17.66174	23.63259	28.85636	50.24769	40.14327	53.79704	33.44216	17.5208	41.2973	2.357045
HSPE1	1	114.0184	98.38663	70.90153	79.23441	239.2914	416.9482	241.7834	167.4008	238.5707	268.2712	120.3665	266.5948	2.21486
HSPG2	1	1.060453	0.483826	5.373963	4.445336	0.491483	1.581892	1.223582	0.781207	2.356876	1.285264	2.371012	1.445764	0.609767
HSPH1	1	149.0809	166.4141	79.62001	116.8613	100.0923	85.30778	236.4206	71.28049	43.14834	27.90168	122.4137	92.81178	0.758181
HSTN	1	0	0	0	0.038856	0	0	0	0	0	0	0.007771	0	0
HTATIP2	1	9.802654	6.097123	4.786746	9.129071	14.73296	5.998213	9.443	5.300737	3.690265	7.437334	8.909711	6.37391	0.715389
HTD2	0.011653	0	0	0	0	0	0.194242	0.709834	0.959251	1.535025	1.357395	0	0.95115	#DIV/0!
HTR1A	1	1.113133	0.789321	0.650161	0.829508	0.105372	0.609634	2.942937	0.033451	0	0	0.697499	0.717204	1.028251
HTR1B	1	0.834452	0.735809	2.48397	2.362032	0.403254	0.777678	0.400785	0	0.059093	0.066507	1.363903	0.260812	0.191225
HTR1D	1	0.077902	0.153957	0.326092	0.73877	0.140934	1.698695	0.317281	0.268444	0.469846	1.607948	0.287531	0.872443	3.034258
HTR1E	1	0.95148	0.775789	0.379385	0.846553	0.985662	1.012411	0.302019	0.153053	0.42861	0.636609	0.787774	0.50654	0.643002
HTR1F	1	0.06314	0.292346	0.558473	0.181523	0.017134	0.264344	0.368963	0.016318	0.212166	0.010496	0.222523	0.174458	0.783997
HTR2A	1	4.006026	6.720563	1.980038	3.472811	1.130016	0.358609	2.8226	0.572159	0.136248	0	3.46189	0.777923	0.22471
HTR2B	0.013558	0.371899	0.343626	0.221512	0.161998	1.422069	0	0	0	0	0	0.504221	0	0
HTR2C	1	1.933015	0.948337	1.730176	3.4923	0.573286	1.658377	0.729485	6.715622	0.08191	0.228268	1.735423	1.882733	1.084884
HTR3A	1	0.70993	0.306114	0.05638	0.13916	0.420331	0	0.438856	0	0	0	0.326383	0.087771	0.26892
HTR3B	1	0.028564	0.112902	0	0	0	0	0	0	0	0	0.028293	0	0
HTR3C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
HTR4	1	1.113142	0.748626	0.276706	0.487839	0.497311	0.224966	0.230768	0.076014	0.163747	0.060176	0.624725	0.151134	0.241921
HTR5A	1	3.866406	5.054787	2.498572	3.131044	5.053457	0.087405	1.046953	0.971194	0.474875	0.694088	3.920853	0.654903	0.167031
HTR6	1	0.52524	0.12825	0.310028	0.595172	0	0	0.361981	0.513631	0	1.061908	0.311738	0.387504	1.243044
HTR7	1	2.317711	1.145697	0.630472	0.879349	0.581947	1.079123	1.402141	0.447651	0.04264	1.042041	1.111035	0.802719	0.722496
HTRA1	1	102.4519	97.80385	128.4832	152.3848	170.3536	97.0466	80.9593	81.74469	185.607	261.1672	130.2955	141.305	1.084496
HTRA2	1	9.793261	7.774795	9.528672	11.11715	34.83801	15.87916	12.31714	9.004564	7.139792	14.69692	14.61038	11.80752	0.80816
HTRA3	1	0.539341	0.250307	0.580882	0.247809	0.421034	1.275946	0.455289	0.840156	0.190972	0.159662	0.407874	0.584405	1.432806
HTRA4	1	1.259616	1.507842	0.797776	0.66391	3.008003	1.318397	2.034232	10.64518	0.26047	1.92639	1.447429	3.236934	2.236333
HTT	1	7.804123	7.266616	16.37336	16.65078	1.610807	11.12089	21.06333	19.61146	10.48534	11.59038	9.941137	14.77428	1.486176
HUNK	1	2.243423	1.900133	2.866576	1.777592	1.870765	2.445952	3.335358	1.258246	0.74499	1.275479	2.131698	1.812005	0.850029
HUS1	1	3.730768	4.571848	1.877428	3.018267	5.711313	4.98635	4.184311	3.370855	4.37837	3.681647	3.781925	4.120307	1.089473
HUWE1	1	17.07101	15.4927	30.29574	23.29051	9.55494	11.95845	19.06892	27.78281	23.0648	18.60777	19.14098	20.09655	1.049923
HVCN1	1	1.149627	1.144456	0.78535	1.416292	0.724483	5.902323	1.979791	1.281395	1.408331	1.585006	1.044042	2.431369	2.328805
HYAL1	1	1.791526	1.011591	2.04096	2.115106	2.255508	1.104343	0.347746	0.333901	0.222633	0.415218	1.842938	0.484768	0.263041
HYAL2	1	2.057976	1.295802	3.718503	4.815192	4.720854	13.63691	4.656245	3.175927	2.181376	4.257844	3.321666	5.581661	1.68038
HYAL3	1	1.287163	1.198749	1.186509	2.142619	2.449593	13.77848	7.974581	4.536273	2.33328	4.626742	1.652927	6.649871	4.023089
HYAL4	1	0.004531	0.010234	0	0	0	0	0	0	0	0	0.002953	0	0
HYDIN	1	0.144008	0.129738	0.480596	0.455493	0.017564	0.51654	1.334063	1.538901	3.136804	0.443811	0.24548	1.394024	5.678777
HYI	1	3.965945	3.516386	5.511844	7.263591	16.54366	7.8046	6.233515	12.02864	1.186095	10.32497	7.360284	7.515564	1.021097
HYKK	1	0.761185	0.548255	0.693756	0.750276	0.748172	0.846892	0.299297	0.394997	1.440786	0.707396	0.700329	0.737874	1.05361
HYLS1	1	3.753845	4.186577	0.356446	0.293264	8.921271	5.063799	10.05762	6.598291	0.180801	0.658897	3.50228	4.511881	1.28827
HYOU1	1	19.34008	17.87137	21.47624	25.05849	23.01019	20.30631	31.87339	23.30066	15.92935	18.6549	21.35127	22.01292	1.030989
HYPK	1	106.8938	95.06838	53.57469	63.7264	200.7173	237.0567	79.99266	63.61273	55.60241	124.399	103.9961	112.1327	1.078239
IAH1	1	5.609595	5.426495	2.834393	4.792443	12.77767	6.904192	2.461513	1.912696	0.332691	2.353542	6.288118	2.792927	0.444159
IAPP	1	0	0.10148	0	0	0	0	0	0	0	0	0.020296	0	0
IARS	1	15.4671	16.41754	14.24472	12.73481	6.470495	13.68881	29.39962	25.91018	27.37052	20.43357	13.06693	23.36054	1.78776
IARS2	1	29.07902	31.87252	29.65823	29.98143	24.09933	28.24489	32.47121	31.33491	32.66407	22.24828	28.93811	29.39267	1.015708

IBA57	1	3.335178	2.953462	5.532579	5.381498	15.77669	2.098305	1.723362	2.425728	2.214094	1.984392	6.595881	2.089176	0.31674
IBSP	1	0.047456	0	0	0	0	0	0.050421	0.061324	0	0	0.009491	0.022349	2.354696
IBTK	1	7.635247	9.170556	6.950818	6.643557	8.200598	8.740243	16.33165	15.80746	21.11227	13.56712	7.720155	15.11175	1.957441
ICA1	1	10.27487	10.95883	7.372234	6.593076	16.59953	19.76794	17.46087	20.5991	14.64552	26.32328	10.35971	19.75934	1.907327
ICA1L	1	4.73174	5.58745	3.474699	3.088937	2.878315	0.980538	2.395585	4.472992	1.920793	1.303916	3.952228	2.214765	0.560384
ICAM1	1	0.595699	0.214385	0.914977	0.956673	1.385598	0.650904	0.737242	0.169181	0.913712	0.500566	0.813466	0.594321	0.730603
ICAM3	1	0.393642	0.631718	2.760087	3.189111	3.963643	3.306937	2.04715	0.696079	0.69618	0.482164	2.18764	1.445702	0.66085
ICAM4	1	0	0	0.140194	0.098866	0	0.191966	0.116919	0	0	0	0.047812	0.061777	1.292083
ICAM5	1	19.91443	17.32534	8.116132	23.88624	9.805021	4.819949	17.88762	0	0.099887	0.096358	15.80943	4.580764	0.289749
ICE1	1	2.42035	2.643259	4.1751	4.213441	1.187276	1.838501	2.784522	4.411543	4.245057	1.974096	2.927885	3.050744	1.041962
ICE2	1	4.120895	3.790133	2.914309	3.082002	1.8988	4.634016	3.572416	6.273308	9.907506	5.872424	3.161228	6.051934	1.914425
ICK	1	5.568959	6.667069	8.765234	7.14275	5.022599	3.898486	3.52851	12.17057	10.17896	5.171526	6.633322	6.989612	1.053712
ICMT	1	5.664221	6.511143	6.804244	4.278666	9.230005	2.556655	6.062163	5.467238	3.978918	3.570199	6.497656	4.327035	0.665938
ICOS	1	0.029186	0.049439	0	0.017481	0.0396	0	0	0	0	0	0.027141	0	0
ICOSLG	1	0.766234	0.529313	2.091781	1.616031	0.331804	0.191966	0.173214	0.400271	0.358189	0.142279	1.067033	0.253184	0.237278
ID1	1	9.927037	4.220229	12.55613	12.74093	10.29704	19.05555	3.909397	1.981148	6.241523	8.251024	9.948274	7.887727	0.792874
ID2	1	29.85795	29.01358	15.98855	17.998	48.41688	49.95435	48.33569	104.8282	58.48987	33.88744	28.25499	59.09911	2.091634
ID3	1	11.27258	3.199688	4.066312	4.460711	4.283707	17.26369	5.418601	2.824416	0.732363	1.480263	5.456599	5.543866	1.015993
ID4	1	20.01717	12.72906	37.13337	26.75749	29.67616	19.64931	22.39477	18.51983	86.32007	21.07134	25.26265	33.59107	1.329673
IDE	1	8.362656	8.043627	7.029558	6.161889	5.387665	5.125101	9.076876	8.344513	15.3437	7.111891	6.997079	9.000416	1.28631
IDH1	1	18.02026	20.816	14.20526	18.9977	20.11985	20.16324	27.70327	17.74709	15.361	12.31315	18.43181	18.65755	1.012247
IDH2	1	34.53955	25.56093	31.399	29.5312	44.46269	14.51703	33.55519	19.49893	28.23432	51.40549	33.09867	29.44219	0.889528
IDH3A	1	57.79554	66.42703	49.20605	52.18704	40.64455	50.59686	108.1704	65.84949	71.79605	48.99672	53.25204	69.08191	1.297263
IDH3B	1	53.04064	59.21985	44.63583	42.67173	91.70393	82.16238	80.02552	74.52029	51.40078	77.64212	58.2544	73.15022	1.255703
IDH3G	1	10.97412	10.37565	9.813752	10.07229	22.55773	14.04774	14.17761	19.31631	12.48675	33.44739	12.75871	18.69516	1.465286
IDI1	1	46.56382	39.63048	22.56828	21.4341	28.98313	61.19315	112.2388	45.49104	88.77242	43.44066	31.83596	70.22721	2.205908
IDNK	1	3.01178	1.693184	1.464882	0.567164	4.603993	0.894765	2.543184	3.229076	3.603494	2.251869	2.268201	2.504478	1.104169
IDO1	1	0.055532	0.05017	0.048512	0.053217	0.060278	0.116247	0.094402	0	0.057416	0.018463	0.053542	0.057305	1.070294
IDO2	1	0.604183	0.150339	0.067094	0.110402	0.333469	0	0	0	0	0	0.253097	0	0
IDS	1	48.77139	44.60009	62.48979	57.99432	45.01877	20.814	22.63563	29.08522	34.78621	46.64853	51.77487	30.79392	0.594766
IDUA	1	3.45735	2.282475	6.956272	7.776657	7.15052	0.969833	2.338144	3.068244	3.44292	6.989141	5.524655	3.361656	0.608483
IER2	1	9.321562	10.31947	6.799347	7.172797	20.58543	4.998433	6.498536	4.129894	9.163051	15.06808	10.83972	7.971599	0.735406
IER3	1	4.839442	0.796256	4.199663	6.968083	2.826565	5.954216	2.417661	3.603085	3.976397	4.874809	3.926002	4.165234	1.060935
IER3IP1	1	7.688001	12.84768	4.927907	6.376989	33.18234	20.85937	18.97803	14.94555	21.0246	16.55339	13.00458	18.47219	1.420437
IER5	1	2.098183	1.856907	3.366624	2.923752	4.043745	6.902016	7.55221	6.197297	3.010554	7.901117	2.857842	6.312639	2.208883
IER5L	1	1.225099	2.458083	1.610536	3.804201	1.387904	0.373476	0.834058	0	1.414236	0.415213	2.097164	0.607397	0.289628
IFFO1	1	7.675369	7.064672	8.396187	9.454646	15.64897	3.839039	3.882592	5.424332	7.654864	18.72076	9.647969	7.904318	0.819273
IFFO2	1	2.498807	3.454933	4.606809	1.388865	4.147022	2.053425	4.11873	14.06736	4.575417	5.4976	3.219287	6.062507	1.883183
IFI16	1	4.294382	2.030891	1.760292	1.422315	1.481681	19.04953	1.924518	2.441465	7.370265	5.67638	2.197913	7.292431	3.31789
IFI27	1	6.963321	0.680514	3.034213	1.804612	2.816255	0	0.071138	0	1.297999	4.396412	3.059783	1.15311	0.37686
IFI27L2	1	5.884676	8.955062	13.39879	16.29819	77.80677	224.3116	23.85637	5.285262	11.00357	102.5406	24.4687	73.3995	2.99973
IFI30	1	1.087621	0.263198	0.508997	0.628162	3.320376	1.219688	2.063517	2.911283	2.309285	2.259986	1.161671	2.152752	1.853151
IFI35	1	2.058613	1.233934	1.729204	1.365784	4.039395	17.15456	5.922329	2.660183	2.128456	0.895011	2.085386	5.752108	2.758294
IFI44	1	1.069159	0.3645	0.308396	0.314143	0.328454	0	0	0.130339	1.407862	0.637145	0.476931	0.435069	0.912227
IFI44L	1	1.215233	0.41587	0.595144	0.41466	0.419713	0	0	0	2.056031	1.310019	0.612124	0.67321	1.099794
IFI47	1	0	0.043912	0	0	0	0.305238	0.020657	0	0.100508	0	0.008782	0.08528	9.710432

IFI6	1	37.3287	13.77402	21.46272	25.82443	51.703	5.895157	2.476221	1.10428	14.05652	2.195415	30.01857	5.145518	0.171411
IFIH1	1	1.502879	0.964062	0.614023	0.636837	0.554874	1.310843	2.357139	0.858731	1.109906	0.118966	0.854535	1.151117	1.347069
IFIT2	1	0.983104	1.563792	0.418939	0.387764	2.179805	0.501942	0.2675	0.030985	0.123958	0	1.106681	0.184877	0.167055
IFIT3	1	0.153879	0.034755	0.067213	0.064516	0	0	0	0	0.039775	0.02558	0.064072	0.013071	0.204002
IFIT5	1	18.14272	13.85445	7.697959	8.287425	9.872573	7.865417	9.60641	9.864844	6.96806	3.876486	11.57103	7.636244	0.659945
IFITM1	1.19E-10	6.078176	4.087622	9.471131	8.303623	20.75671	0	0	0	0	0	9.739452	0	0
IFITM10	1	2.282278	3.974295	13.08882	6.511336	9.97555	1.367623	2.147207	12.06699	10.08731	34.95607	7.166456	12.12504	1.691916
IFITM2	1	0.182339	0	0.13274	0.145615	0.989614	0	0	0	0.628417	0	0.290062	0.125683	0.433299
IFITM3_1	1	1.417425	2.037263	5.55801	3.202903	1.835794	0.168587	0	0	0.832679	0	2.810279	0.200253	0.071257
IFITM3_2	1	0	0	0	0	0	0	0	0	0	0.216806	0	0.043361	#DIV/0!
IFITM5	1	1.912621	1.019969	0.232061	1.718338	8.506203	2.502344	2.427245	1.784994	0.686636	0.176634	2.677839	1.515571	0.565968
IFNA16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IFNAA	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IFNAC	1	0	0	0	0.246451	0	0	0	0	0	0.048858	0.04929	0.009772	0.198245
IFNAD	1	0	0	0	0	0	0	0	0	0.117685	0	0	0.023537	#DIV/0!
IFNAG	1	0	0	0	0.157877	0	0	0	0	0	0	0.031575	0	0
IFNAH	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IFNAR1	1	11.07005	12.09571	12.69239	12.45458	2.692965	3.372722	10.48308	10.73056	13.62154	4.730891	10.20114	8.587761	0.841843
IFNAR2	1	6.248526	5.724932	5.304416	4.414923	5.805427	4.507877	4.485947	4.525358	2.518509	2.852061	5.499645	3.77795	0.686944
IFNB1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IFNB3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IFNE	1	0.023955	0	0	0.043044	0	0.062683	0.127259	0.123822	0	0.039822	0.0134	0.070717	5.277475
IFNG	1	0	0	0	0	0.1716	0	0	0.081714	0	0	0.03432	0.016343	0.476189
IFNGR1	1	28.55089	27.37327	20.85651	22.54297	37.03933	39.33049	33.53663	27.93787	21.15267	14.43645	27.2726	27.27882	1.000228
IFNGR2	1	18.4462	18.16815	14.83945	14.88024	34.15277	12.99353	14.12424	8.548985	7.001128	8.151122	20.09736	10.1638	0.505728
IFNK	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IFNL3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IFNLR1	1	0.466146	0.762573	0.437664	0.605361	0.61475	0.433181	0.17589	0.180146	0.29278	0.535905	0.577299	0.32358	0.560508
IFNT2	1	0	0	0.062478	0	0	0	0	0	0	0	0.012496	0	0
IFNT3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IFN-TAU	1	0	0	0.195008	0.142615	0	0	0	0	0	0	0.067525	0	0
IFN-tau-c1	1	0	0	0.139513	0.076522	0	0	0	0	0	0	0.043207	0	0
IFNW1	1	0	0	0	0	0	0	0	0	0.128596	0	0	0.025719	#DIV/0!
IFRD1	1	7.186112	8.954588	6.010832	5.907291	13.39928	14.60125	24.51785	16.27703	11.72117	9.265519	8.291621	15.27656	1.84241
IFRD2	0.001266	3.290856	2.497569	5.197124	7.502699	4.105058	4.629604	3.158085	2.011943	2.561027	6.279311	4.518661	3.727994	0.825022
IFT122	1	6.280979	6.957991	7.095881	9.98237	7.698297	9.696426	9.833466	18.90203	21.58582	14.33162	7.603104	14.86987	1.955763
IFT140	1	4.776112	4.106831	5.691644	7.229534	3.330867	2.889697	6.501934	5.526437	3.490889	5.308584	5.026998	4.743508	0.943607
IFT172	1	7.841164	7.208613	6.797226	7.770287	5.46222	9.018765	8.107658	13.1656	10.17409	14.6217	7.015902	11.01756	1.57037
IFT20	1	31.32091	29.11347	16.97353	17.4146	76.64555	25.71627	19.02467	15.90302	14.4731	10.37438	34.29361	17.09829	0.498585
IFT22	1	14.66323	15.26364	12.11623	18.01683	32.07178	12.74846	10.88715	7.67674	6.662267	3.944965	18.42634	8.383917	0.454996
IFT27	1	7.786805	5.658231	5.366672	7.64571	15.41511	19.95792	12.88462	7.711663	6.269216	8.51457	8.374506	11.0676	1.321582
IFT43	0.299666	8.271372	5.659492	2.922175	5.332957	20.86138	8.02079	4.859316	2.892168	2.892588	5.661674	8.609474	4.865307	0.565111
IFT46	1	6.031675	4.777535	4.675625	4.583962	5.670523	15.33001	15.03717	16.30086	15.64049	12.85032	5.147864	15.03177	2.920001
IFT52	1	6.633016	7.19647	7.254978	7.178393	11.16519	43.12107	45.5602	48.0331	24.35677	20.12162	7.88561	36.23855	4.595529
IFT57	1	18.38228	19.01163	10.08775	12.09135	15.33408	14.1724	24.11445	14.02818	26.06046	32.25296	14.98142	22.12569	1.476875
IFT74	1	14.63098	15.28503	6.026264	6.310275	9.752039	8.78985	8.041942	9.484946	13.64452	3.870783	10.40092	8.766408	0.84285

IFT80	1	7.485232	7.988603	3.840072	4.797301	3.728857	6.244919	12.38074	9.345486	9.23001	3.238474	5.568013	8.087925	1.452569
IFT81	1	6.293382	5.981667	3.078421	2.74441	2.068775	4.571465	3.459293	7.829722	5.973212	2.422362	4.033331	4.851211	1.20278
IFT88	1	4.240031	4.233334	5.022173	3.743294	2.615789	6.396371	8.35386	9.085632	15.95917	15.00785	3.970924	10.96058	2.760208
IGBP1	1	34.81582	30.67509	19.65692	23.25892	36.98192	32.7326	26.16739	29.41638	14.50221	21.75263	29.07773	24.91424	0.856815
IGCGAMMA	1	0.08389	0.142106	0.137409	0.113053	0.056912	0	0	0	0	0	0.106674	0	0
IGDCC3	1	0.61285	0.530234	1.090181	1.486019	1.341188	1.112189	1.837888	0.204371	0.970904	4.033964	1.012094	1.631863	1.612363
IGDCC4	1	4.596303	3.006871	4.996333	5.29919	4.254495	4.079053	3.540111	3.529066	5.444319	6.70097	4.430638	4.658704	1.051475
IGF1	1	2.552603	1.317868	0.814936	0.728848	0.354731	1.940356	2.16158	0.257985	1.228681	0.098773	1.153797	1.137475	0.985854
IGF1R	1	5.14982	5.506125	13.3615	11.07416	0.80045	2.052176	4.092605	5.210762	3.767364	3.5362	7.178411	3.731821	0.519867
IGF2	0.270857	20.71797	0.35534	7.322878	5.147334	0.791605	0.257295	0.222874	0.48284	1.270816	0.207044	6.867025	0.488174	0.07109
IGF2BP1	1	0	0	0	0	0	0	0	0	0.139698	0	0	0.02794	#DIV/0!
IGF2BP2	1	0.855538	0.236402	0.606256	0.517873	0.296381	2.881674	0.725256	1.16435	1.576219	0.400936	0.50249	1.349687	2.685998
IGF2BP3	1	0.424112	0.39187	0.271324	0.169347	0.279006	1.434839	0.136548	0.232505	3.05622	0.740623	0.307132	1.120147	3.647121
IGF2R	1	5.331614	4.780299	9.833144	9.455903	2.722641	3.840334	7.708581	12.88457	11.08073	11.96081	6.42472	9.495004	1.477886
IGFALS	0.341716	0.081834	0	0.089361	0.036761	0	0.428264	0.13042	0.449427	1.533562	11.44397	0.041591	2.797128	67.25302
IGFBP1	1	0.051809	0.263289	0	0.031031	0.070297	0.135568	0.110092	0	0.468712	0.150718	0.083285	0.173018	2.077416
IGFBP2	1	27.30512	7.981299	6.707135	6.154977	12.76799	8.34508	9.705193	5.698395	6.615171	3.861604	12.1833	6.845089	0.561842
IGFBP3	1	1.31173	1.47263	0.623508	1.07219	2.303272	0.64609	1.590434	3.410032	2.911913	2.219012	1.356666	2.155496	1.588819
IGFBP4	1	10.85278	2.225611	3.911032	4.721565	8.5471	16.43603	4.015702	2.535053	6.280402	2.573002	6.051617	6.368037	1.052287
IGFBP5	1	10.02575	3.555519	17.28381	21.92273	4.034773	4.247043	1.623778	8.190472	35.85958	19.9846	11.36452	13.9811	1.230241
IGFBP6	1	19.79565	7.748257	5.689414	7.057684	18.0844	4.597272	1.609211	1.330884	4.463024	5.035498	11.67508	3.407178	0.291833
IGFBP7	1	44.33957	21.98232	36.64159	37.7758	96.62989	151.4923	38.63135	23.85918	38.66354	70.34927	47.47384	64.59912	1.360731
IGFBPL1	1	0.465642	0.452817	1.864396	0.983878	1.052999	20.67943	12.28586	13.53852	0.635233	0.462281	0.963946	9.520264	9.876344
IGFL1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IGFLR1	1	4.805634	4.203871	6.820807	8.540485	9.588066	33.07401	19.17213	23.37222	9.785142	8.390617	6.791772	18.75882	2.761993
IGFN1	1	0.042973	0.031731	0.180484	0.102954	0	0	0	0	0.093989	0.05495	0.071628	0.029788	0.415866
IGHE	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IGHG1	1	0.132304	0.012686	0.054518	0.022427	0.128708	0	0	0	0.129049	0	0.070129	0.02581	0.368036
IGHM	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IGHMBP2	1	5.40391	5.251893	10.10388	9.55088	6.434528	1.794379	3.837941	4.555519	3.545084	6.125206	7.349019	3.971626	0.540429
IGIP	1	23.4761	27.85015	18.91547	24.62712	151.5347	64.88818	35.64636	41.23384	40.53287	35.00893	49.28071	43.46204	0.881928
IGLL1	1	0.615094	0.138926	0.22389	0.294727	0.333833	0	0	0	0.211988	0.034083	0.321294	0.049214	0.153175
IGLON5	1	6.467001	6.442843	16.09712	13.64707	2.692498	3.152586	8.056984	16.07253	15.75428	49.62816	9.069307	18.53291	2.043476
IGSF1	1	2.708987	1.463131	1.075695	0.897848	2.644143	2.409532	3.822472	3.348411	2.490916	3.791265	1.757961	3.172519	1.804659
IGSF10	1	1.128111	3.29149	0.798358	0.840478	1.365328	0.565693	0.375864	0.030476	0.751851	0.287502	1.484753	0.402277	0.270939
IGSF11	1	12.60392	16.70987	19.63251	29.3291	16.79051	9.757784	18.05065	10.17604	8.777442	9.791991	19.01318	11.31078	0.594892
IGSF21	1	10.38046	13.08427	19.37376	15.49932	20.13602	52.83669	58.09217	29.209	25.53943	61.00627	15.69476	45.33671	2.888652
IGSF22	0.007899	0	0	0	0.034018	0.025688	0	0.251439	0.012232	0.391493	0.204567	0.011941	0.171946	14.39931
IGSF23	1	0	0	0	0	0	0.406703	0.165138	0.167373	0.401753	0	0	0.228193	#DIV/0!
IGSF3	1	2.455119	2.148603	2.823243	3.534162	0.056581	2.045931	4.341966	5.200031	3.018074	2.590843	2.203541	3.439369	1.560837
IGSF5	1	0.019906	0.01124	0.032605	0.011922	0	0	0.169193	0.244363	0.077178	0.03309	0.015134	0.104765	6.922262
IGSF6	1	0.38636	0.212839	0.041161	0.169324	0.076716	1.282212	1.041263	0.316606	0.146147	0	0.17728	0.557246	3.14331
IGSF8	1	12.43296	15.04476	64.18465	50.86714	55.32938	27.15119	23.24842	32.7917	33.33609	161.473	39.57178	55.60009	1.405044
IGSF9	1	0.116235	0.085827	0.371015	0.733672	0.121317	0.280752	0.170995	2.345451	2.657794	16.76566	0.285613	4.444129	15.55996
IGSF9B	1	4.018573	5.927932	15.98345	5.718102	10.53479	2.935099	6.373856	10.84844	6.607736	4.58666	8.436568	6.270358	0.743236
IHH	1	0	0	0.090295	0.049527	0.112196	0	0	0.106853	0.213738	0	0.050404	0.064118	1.272094

IK	1	73.13024	66.21844	41.76048	53.35807	57.37995	61.22594	62.321	73.0531	52.76537	91.04611	58.36944	68.0823	1.166403
IKBIP	1	4.125786	2.975923	3.180684	2.86514	1.805811	2.029808	2.020066	2.751705	4.187132	1.826808	2.990669	2.563104	0.857034
IKBKB	1	2.593101	1.898134	4.563955	5.318864	2.695213	5.291807	2.759879	3.496045	4.971844	11.16871	3.413853	5.537657	1.622113
IKBKE	1	0.528663	0.560839	0.583121	0.889153	0.840483	6.204039	7.364392	6.389863	1.407907	4.047871	0.680452	5.082814	7.469765
IKBKG	1	1.953901	1.759015	2.882459	2.856563	2.768015	1.334532	0.922653	1.353724	0.766034	1.197247	2.44399	1.114838	0.456155
IKZF1	1	0.280227	0.377197	0.649096	0.46453	0.230438	1.02212	0.415024	0.124363	0.395093	0.032938	0.400298	0.397907	0.994029
IKZF2	1	0.325226	0.506522	1.350312	1.575467	0.421881	0.804247	0.626536	1.2885	1.468827	0.528751	0.835882	0.943372	1.128595
IKZF3	1	0.28619	0.284523	0.261763	0.767693	0.086292	0.204817	0.218306	0.094826	0.075872	0.020331	0.337292	0.12283	0.364166
IKZF4	1	1.534833	1.34364	1.916365	2.536937	2.14709	3.922743	2.452402	2.821268	2.398811	2.586016	1.895773	2.836248	1.496091
IKZF5	1	3.869005	4.220183	4.58751	4.212889	1.563481	4.753097	5.840879	8.675646	12.69993	4.675697	3.690614	7.32905	1.985862
IL10	1	0.203311	0	0	0.060886	0.13793	0.398998	0	0.131362	0.131381	0	0.080426	0.132348	1.645598
IL10RA	1	1.386062	1.698135	1.876581	1.586834	1.13811	10.59952	3.510463	2.181043	1.745088	1.105286	1.537144	3.828281	2.490515
IL10RB	1	1.103108	0.839295	1.265822	1.29341	1.230368	0.929539	0.86412	0.906013	0.555769	0.590524	1.146401	0.769193	0.670963
IL11	1	0	0	0	0	0	0	0.03628	0.176502	0.176528	0.056764	0	0.089215	#DIV/0!
IL11RA	1	6.645874	3.837807	9.775596	11.73072	13.66739	13.94961	7.679395	5.700536	8.097054	13.92602	9.131477	9.870524	1.080934
IL12A	1	0.409467	0.030828	0.119235	0.261599	0.296309	0.571433	0.348039	0.07055	0	0	0.223487	0.198004	0.885975
IL12B	1	0.004199	0.018967	0.128378	0.115681	0.113939	0	0	0	0.086823	0.062817	0.076233	0.029928	0.392589
IL12RB1	1	0.133775	0.098526	0.203242	0.167216	0.236753	0.030439	0.086516	0	0.030068	0.009669	0.167902	0.031338	0.186646
IL12RB2	1	0.01176	0.013281	0.025684	0.070437	0.031913	0.215406	0.162433	0.699046	0.577557	0.25414	0.030615	0.381716	12.46833
IL13	1	0	0.316558	0.087456	0	0	0	0	0	0.414031	0	0.080803	0.082806	1.024797
IL13RA1	1	12.31084	14.56747	7.757821	7.896313	11.9116	8.577828	6.7179	3.160683	10.07368	7.069018	10.88881	7.119822	0.653866
IL13RA2	1	0.137661	0.111044	0	0	0.053367	0	0.125367	0.203301	0.101665	0.277875	0.060414	0.141642	2.344507
IL15	1	0.24766	0.124304	0.390635	0	0.074674	0.648043	0.204659	0.782299	0	0.343078	0.167455	0.395616	2.362524
IL-15L	1	0.026734	0.007548	0.058387	0.072056	0	0.034977	0.014202	0	0	0	0.032945	0.009836	0.298556
IL15RA	1	0.230493	0.231375	0.596607	0.511307	0.416987	0.044676	0.054421	0.022063	0.088264	0.014191	0.397354	0.044723	0.112552
IL16	1	0.223493	0.364567	8.910545	0.654429	0.498667	0.480841	0.153027	27.78924	14.77601	23.36863	2.13034	13.31355	6.249495
IL17A	1	0	0	0	0	0	0	0	0	0	0.061336	0	0.012267	#DIV/0!
IL17B	1	0.027191	0.008773	0	0.013959	0.042164	0	0	0	0	0	0.018417	0	0
IL17D	0.021307	3.326997	3.121304	1.747147	1.398382	6.317068	0	0.021888	0	0.053249	0.930324	3.18218	0.201092	0.063193
IL17F	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IL17RA	1	3.64313	4.377045	3.215776	4.494948	8.855095	0.29829	1.826865	1.178467	0.09822	0.734312	4.917199	0.827231	0.168232
IL17RB	1	0.509427	0.182178	0.556284	0.600069	0.184322	0	0	0	0.043893	0.324621	0.406456	0.073703	0.18133
IL17RC	1	0.415121	0.158787	1.169817	1.12287	0.254371	1.47167	0.512194	2.180322	3.945918	16.47263	0.624193	4.916547	7.876643
IL17RD	1	1.957653	1.954429	2.714485	3.257776	1.719982	2.199566	2.750988	2.65461	2.44004	1.076039	2.320865	2.224249	0.958371
IL17RE	0.119348	0.15471	0.08471	0.081911	0.101087	0.101778	0.04907	0.189281	0.811796	1.332993	2.073026	0.104839	0.891233	8.500956
IL17REL	1	0	0.003671	0.0639	0.035049	0.017644	0.187148	0.207245	0.226853	0.016806	0.10268	0.024053	0.148146	6.159191
IL18	1	0.934372	0.765014	1.632506	1.56699	1.521347	9.290764	5.708295	2.052607	1.44911	0.38831	1.284046	3.777817	2.94212
IL18BP	1	0.021915	0	0	0.026251	0	0.630777	0.046568	0.538054	0.056645	0.801449	0.009633	0.414699	43.04877
IL18R1	1	0.431692	0.051317	0.059545	0.038104	0.006166	0	0.077248	0.093952	0.16444	0.124639	0.117365	0.092056	0.784358
IL18RAP	1	0	0	0	0.017426	0	0.38066	0.092738	0.131591	0.037603	0.048366	0.003485	0.138192	39.65003
IL19	0.276569	0	0	0	0.03996	0	0.436441	0.425312	0	1.293388	39.26079	0.007992	8.283186	1036.434
IL1A	0.283912	0	0	0	0	0	2.242648	1.128363	0.385223	0.529759	0.123889	0	0.881977	#DIV/0!
IL1B	1	0.518988	0.183155	0.354203	0.259039	0.117364	9.562705	1.723162	0.92214	2.906562	0.197709	0.28655	3.062456	10.68735
IL1F10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IL1R1	1	0.681408	0.166597	0.797781	1.1781	0.171568	0.11029	0.410504	0.30864	0.544737	0.525492	0.599091	0.379933	0.634182
IL1R2	1	0	0	0.040631	0.133715	0	0.778893	0.415095	0.408691	0	0.030926	0.034869	0.326721	9.369935

IL1RAP	1	3.834085	4.576931	5.902816	6.798151	3.685361	2.680922	5.573232	2.034202	2.179326	0.66086	4.959469	2.625708	0.529433
IL1RAPL1	1	1.676864	2.394964	1.249459	1.193407	0.160604	0	1.068976	0.66281	0.203971	0.11478	1.33506	0.410107	0.307183
IL1RAPL2	1	0.556802	0.555363	0.226342	0.287244	0.286755	1.276172	0.738405	0.005252	0	0.047293	0.382501	0.413424	1.080845
IL1RL1	1	0.010393	0.023475	0	0.056026	0	1.386998	0	0	0	0.017277	0.017979	0.280855	15.62147
IL1RL2	1	0.012132	0	0	0.029067	0	0	0	0	0.376319	2.551254	0.00824	0.585515	71.05952
IL1RN	1	0.379692	0.073208	0.121351	0.454831	0.226177	0	0.019679	0.047868	0.143625	0	0.251052	0.042234	0.168229
IL2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IL20	1	0	0	0	0	0	0	0	0	0	0.271479	0	0.054296	#DIV/0!
IL20RA	1	0.028424	0.064198	0.434532	0.348996	0.057849	0.669375	0.785183	1.028428	0.257144	0.885928	0.1868	0.725211	3.882293
IL20RB	1	0.213861	0.26347	0.658136	0.186315	0.580348	0.254365	0.289191	0.452218	0.753807	0.985727	0.380426	0.547062	1.438024
IL21	1	0	0	0	0	0	0	0.088685	0	0	0	0	0.017737	#DIV/0!
IL21R	1	0.051795	0.070191	0.24886	0.12409	0.028111	0.243954	0.187105	0.080317	0.187433	0.120541	0.104609	0.16387	1.566494
IL22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IL22RA1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IL22RA2	1	0.015703	0	0.034295	0	0	0	0	0	0	0	0.01	0	0
IL23A	1	1.283702	1.839525	1.366438	1.744493	3.95192	0.564541	0.366763	0.892142	1.728777	1.631837	2.037216	1.036812	0.508936
IL23R	1	0	0	0	0.008499	0	0	0	0	7.042444	0	0.0017	1.408489	828.5964
IL24	1	0	0	0	0.063018	0	0	0	0	0	0	0.012604	0	0
IL25	1	0.014742	0	0.06439	0.008829	0	0	0	0	0.190523	0.404342	0.017592	0.118973	6.762777
IL26	1	0.010785	0.00812	0	0	0	0.094072	0.053476	0.06504	0	0	0.003781	0.042518	11.24487
IL27	1	0	0.030213	0.058428	0.064095	0.363	0	0.028425	0.069143	0.069153	0	0.103147	0.033344	0.323266
IL27RA	1	6.977479	3.996624	3.67423	5.772913	10.78598	3.753268	6.822318	9.371564	1.004861	1.058497	6.241446	4.402101	0.705302
IL2RA	1	0.076537	0.046541	0.090005	0.148103	0.063906	2.002703	0.813181	0.243451	0	0	0.085018	0.611867	7.196887
IL2RB	1	0.117681	0.018122	0	0.070485	0.087095	0	0.011367	0	0.470104	0.088921	0.058677	0.114078	1.944182
IL2RG	1	0.636209	0.660996	0.91704	0.990744	2.451575	0	1.460064	0.690583	1.118249	0.274974	1.131313	0.708774	0.626506
IL3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IL31RA	1	0	0.038128	0.019663	0.010785	0.054972	0.023559	0.291756	0	0	0.007483	0.02471	0.06456	2.612737
IL32	1.08E-06	3.156275	0.837988	1.369506	1.076675	0.822476	0	0	0	0	0	1.452584	0	0
IL33	1	0.977521	1.056945	13.02118	0.664378	1.373368	0.326533	0.265172	0.806281	6.487026	0.288115	3.418678	1.634625	0.478146
IL34	1	3.579316	2.866864	7.094498	8.308654	7.933714	3.337082	6.199739	2.394257	2.829988	7.620022	5.956609	4.476218	0.751471
IL36A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IL36B	1	0	0	0	0.015612	0	0	0	0	0	0	0.003122	0	0
IL36G	1	0	0	0	0	0	0	0	0	0	0.025611	0	0.005122	#DIV/0!
IL36RN	1	0	0	0.05313	0	0	0	0.077542	0	0	0	0.010626	0.015508	1.45947
IL37	1	0	0.010276	0	0	0	0	0	0	0	0	0.002055	0	0
IL3RA	0.000505	0.450516	0.572366	0.553449	1.450364	1.57913	0	0	0	0	0	0.921165	0	0
IL4	1	0	0	0	0	0.178512	0	0	0	0	0	0.035702	0	0
IL4I1	1	0.146902	0.293511	0.246791	0.108291	0.168657	1.4193	2.077063	1.241197	1.139147	1.164648	0.192831	1.408271	7.303153
IL4R	1	1.03132	0.790754	1.991563	2.028676	1.369872	1.249886	1.395641	0.547106	2.357107	0.469204	1.442437	1.203789	0.834552
IL5	1	0	0	0	0.055549	0	0	0	0	0	0	0.01111	0	0
IL5RA	1	0.003897	0.008802	0.11916	0.116712	0	0	0	0	0	0	0.049715	0	0
IL6	1	0	0	0	0.040905	0	0.357405	0.435365	0.044126	0.706112	0.056764	0.008181	0.319954	39.10986
IL6R	1	2.183823	2.005307	6.364392	6.647184	0.427462	1.798609	0.669451	0.721688	1.665675	0.607024	3.525634	1.09249	0.30987
IL6ST	1	13.49901	15.66372	21.81998	16.60552	8.325097	11.71168	18.83578	19.31108	44.74134	22.8674	15.18267	23.49346	1.547387
IL7	1	0.170638	0.096351	0.093167	0.025551	0.057882	0.111626	0	0	0.055134	0.035457	0.088718	0.040443	0.455864
IL7R	1	0.058825	0.079718	0.059953	0.084559	0.14899	0	0	0.010135	0	0	0.086409	0.002027	0.023459

IL9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
IL9R	1	0.42268	0.505833	0.64756	1.205358	0.273914	0.132061	0.221192	0.244566	0.114147	0.099627	0.611069	0.162319	0.265631
ILDR1	1	0.020523	0	0.011205	0	0	0.080552	0.070866	0.20553	0.172405	0.068231	0.006346	0.119517	18.83459
ILDR2	1	10.62019	8.756391	5.401093	9.076989	2.490593	8.754455	18.99349	0.852981	3.202065	2.487686	7.269052	6.858135	0.94347
ILF2	1	35.34401	27.20703	19.93478	22.81909	50.87011	85.45856	84.87671	87.75474	59.31623	58.50129	31.235	75.18151	2.406963
ILF3	1	10.42831	11.10918	14.24547	13.40012	12.28821	18.05383	17.56182	23.69761	18.19569	24.91531	12.29426	20.48485	1.666213
ILK	1	17.75287	15.73958	15.08983	16.99153	31.41062	34.29682	17.43368	30.04254	24.42589	42.54148	19.39689	29.74808	1.533652
ILKAP	1	10.30645	11.02814	11.24274	11.76852	13.15558	8.129802	5.94187	8.583466	6.507768	8.851332	11.50028	7.602848	0.661101
ILVBL	1	4.086217	4.057933	7.473185	6.6748	5.932039	15.70191	10.73232	10.81907	10.41441	18.33542	5.644835	13.20063	2.338532
IMMP1L	1	3.96558	4.615068	1.48632	1.124875	10.33509	4.999941	2.97575	3.111851	1.776043	2.181055	4.305386	3.008928	0.698875
IMMP2L	1	1.092452	1.443706	0.583777	1.016286	1.324589	14.04962	5.729427	1.321582	4.686292	3.825234	1.092162	5.922431	5.422666
IMMT	1	29.38586	31.04461	27.99142	25.84886	30.36829	31.00521	46.98647	46.87084	33.65663	41.56113	28.92781	40.01605	1.383307
IMP3	1	9.913099	10.05379	10.99613	15.0679	37.30194	8.935137	8.810951	6.979043	4.593329	14.68329	16.66657	8.80035	0.528024
IMP4	1	12.30844	9.628289	17.30884	16.62859	22.61496	25.51427	26.23137	19.80008	9.063422	25.29147	15.69782	21.18012	1.349239
IMPA1	1	23.72034	27.55503	18.39457	21.40715	38.088	13.68707	20.39907	20.41894	16.90847	23.46298	25.83302	18.97531	0.734537
IMPA2	1	0.77714	0.555831	1.612381	1.148148	0.702967	2.846919	0.63303	0.535593	1.138301	2.605263	0.959294	1.551821	1.617671
IMPACT	1	8.78734	9.321833	6.30538	5.373404	6.507026	18.81057	11.28182	20.46939	9.841762	14.05991	7.258997	14.89269	2.051618
IMPAD1	1	12.89269	14.23131	14.5593	10.68843	2.197325	9.627058	23.97178	24.90905	25.92869	18.02114	10.91381	20.49155	1.877579
IMPDH1	1	8.951359	9.483792	14.18259	14.39133	10.55349	21.0476	17.65693	12.94986	13.39046	22.80477	11.51251	17.56992	1.526159
IMPDH2	1	16.92469	17.14649	15.07666	20.07412	25.55331	57.35653	30.2914	46.30121	41.40222	42.40108	18.95505	43.55049	2.297566
IMPG1	1	0	0	0	0.06375	0	0	0	0	0.852876	0.150394	0.01275	0.200654	15.73749
IMPG2	1	1.326886	1.618829	1.990503	1.40186	0.879523	0.660252	0.84587	1.22554	2.530152	1.48977	1.44352	1.350317	0.935433
INA	1	85.66809	98.8651	84.87225	82.13473	132.2847	76.23152	132.768	87.88683	75.03259	69.49425	96.76498	88.28263	0.912341
INAFM1	1	4.497626	6.39681	13.35714	14.76539	14.40097	1.575736	1.279629	0.826802	5.350671	42.9198	10.68359	10.39053	0.972569
INAFM2	1	9.275572	9.599342	8.893225	9.329239	18.93659	17.22268	15.06024	21.09256	16.06296	20.50788	11.20679	17.98926	1.605211
INAVA	0.086758	0.255148	0.514132	0.393341	0.725146	0.868878	0.078545	0	0	0	0.033266	0.551329	0.022362	0.040561
INCA1	1	0.263917	0.161104	0.996988	0.563933	0.735539	0.223972	0.363768	0.165911	0.110623	0.486146	0.544296	0.270084	0.496208
INCENP	1	3.551057	4.271329	5.398979	7.144093	2.525734	1.737388	1.158957	1.11846	3.340546	7.08562	4.578238	2.888194	0.630853
INF2	1	10.08101	12.04591	23.03678	40.65203	21.40389	5.084396	13.19251	4.496862	4.357516	2.487253	21.44392	5.923708	0.276242
INFAF	1	0	0	0.143918	0	0	0	0	0	0	0	0.028784	0	0
ING1	1	5.037937	4.479896	5.220648	5.973333	5.277867	19.59453	12.14367	6.089408	3.986374	6.722574	5.197936	9.70731	1.867532
ING2	1	5.44769	5.564795	3.804942	2.655468	5.13356	5.851602	8.744213	6.686802	5.914816	4.192937	4.521291	6.278074	1.388558
ING3	1	2.404057	2.847566	1.715918	1.785417	2.096689	2.253964	2.734517	4.101623	5.357175	2.560091	2.169929	3.401474	1.56755
ING4	1	8.26486	8.192687	8.529946	8.785555	21.8237	12.86342	8.06282	15.89156	6.332874	7.576921	11.11935	10.14552	0.91242
ING5	1	7.173253	4.590451	4.937196	4.686979	1.179748	2.161393	2.909989	3.370703	2.584581	3.215958	4.513526	2.848525	0.631109
INHA	1	0.709647	0.93187	1.657969	1.087313	2.015317	1.900091	1.402757	1.364868	2.30355	4.99302	1.280423	2.392857	1.868802
INHBA	1	2.268638	1.378284	1.050504	1.221195	1.40271	0.525998	2.974825	0.148435	0.964965	0.66832	1.464266	1.056509	0.721528
INHBB	1	1.430352	1.17415	2.244434	2.634907	1.647193	0.786292	0.600223	0.434902	1.677721	0.389627	1.826207	0.777753	0.425884
INHBC	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
INHBE	1	0.22782	0.080399	0	0.068226	0.077278	0.298064	0.302566	0	0.220827	0	0.090745	0.164291	1.810479
INIP	1	5.794825	5.032128	4.340392	4.548367	4.342894	5.693008	9.135262	7.528747	4.650387	3.851434	4.811721	6.171768	1.282653
INMT	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
INO80	1	5.207933	4.175789	5.495265	5.140378	2.797789	5.614288	6.294163	10.37016	7.908399	7.003676	4.563431	7.438137	1.629944
INO80B	1	7.070826	5.853349	4.367196	6.764581	10.37536	23.86001	9.994103	18.48087	9.758656	23.24221	6.886261	17.06717	2.478438
INO80C	1	8.193852	9.754515	10.38398	11.04941	23.82674	38.56812	34.62098	26.25564	13.92857	19.7859	12.6417	26.63184	2.106667
INO80D	1	1.434433	1.659169	2.824026	2.043082	1.179093	1.649326	1.556057	3.09633	3.084801	1.589029	1.827961	2.195109	1.200851

INO80E	1	7.142426	5.912912	5.344601	6.487916	14.15698	17.87027	12.35549	9.192825	10.10132	14.56937	7.808967	12.81786	1.641428
INPP1	1	2.050045	1.967226	2.911416	3.032768	5.958346	4.074508	5.510767	7.527534	4.748827	5.353878	3.18396	5.443103	1.709539
INPP4A	1	13.14888	13.6433	15.10652	13.84277	9.191739	12.04775	16.45737	18.79995	20.74945	13.24233	12.98664	16.25937	1.252008
INPP4B	1	1.512486	1.535644	2.209549	1.604526	0.784419	4.303896	3.335074	2.730466	4.419895	2.301069	1.529325	3.41808	2.235026
INPP5A	1	13.53109	14.7997	24.47713	18.98537	15.79244	18.81774	17.62083	26.42075	22.24928	21.81268	17.51714	21.38426	1.220762
INPP5B	1	9.796985	8.703442	10.82885	8.568769	8.920591	9.084649	8.119483	9.656056	10.26347	4.768008	9.363727	8.378333	0.894765
INPP5D	1	1.934609	2.154778	3.6949	3.44892	2.048488	6.709925	2.579417	2.009758	1.255056	0.485548	2.656339	2.607941	0.98178
INPP5E	1	2.500801	2.834383	3.861674	5.22215	2.969796	2.200974	0.739935	1.215498	2.29108	3.540732	3.477761	1.997644	0.574405
INPP5F	1	111.844	142.8103	83.5033	110.1408	137.7081	26.31177	61.99086	45.80474	53.03934	35.21583	117.2013	44.47251	0.379454
INPP5J	1	1.992849	2.025482	11.55612	4.165289	3.487186	2.26566	4.227402	5.061604	2.024936	8.042057	4.645384	4.324332	0.930888
INPP5K	1	6.454726	5.877815	9.505237	10.90323	17.08115	14.4243	11.14167	15.87014	12.42624	13.89454	9.96443	13.55138	1.359975
INPPL1	1	7.211177	5.741067	12.8157	17.23656	10.6328	14.42542	12.79963	14.96496	10.13749	20.01997	10.72746	14.4695	1.348828
INS	1	0	0	0.182906	0	0	0	0	0	0	0	0.036581	0	0
INSC	1	0.047849	0.054037	0.139335	0.076425	0.021641	5.049965	3.541767	1.937403	0.082455	0.092799	0.067857	2.140877	31.54968
INSIG1	1	7.58278	6.283272	7.186469	6.992973	4.820452	2.518592	4.281841	6.512197	6.513145	6.54321	6.573189	5.273797	0.802319
INSIG2	1	11.28983	11.7607	7.262568	7.017179	9.120415	2.941783	6.588536	6.483983	11.59334	4.377108	9.290139	6.396949	0.688574
INSL3	1	0	1.054916	0.16106	0	0	0	0.208945	0.127063	0.254163	0	0.243195	0.118034	0.485348
INSL5	1	0	0.060168	0.232719	0.127645	0.289164	0	0	0	0.137717	0.132851	0.141939	0.054114	0.381245
INSL6	0.013931	1.765305	2.491961	1.445759	1.468505	5.322729	0	0	0	0	0	2.498852	0	0
INSM1	1	0.188382	0.295988	0.733399	1.157743	0.133358	0.600092	0	5.122645	1.397288	7.107234	0.501774	2.845452	5.670782
INSM2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
INSR	1	4.903672	4.909235	8.543674	8.669296	5.788497	3.579832	4.446693	7.657306	11.04821	7.478692	6.562875	6.842147	1.042553
INSRR	1	0.057467	0.105459	0.251011	0.447455	0.11696	0	0	0	0.037135	0	0.19567	0.007427	0.037957
INTS1	1	9.526723	8.36417	20.38815	15.60949	6.052376	5.884023	6.76093	6.807258	9.077664	20.263	11.98818	9.758574	0.814016
INTS10	1	15.83614	15.1167	10.76629	12.47248	17.61977	20.92821	28.58327	35.21503	32.40104	21.61112	14.36228	27.74774	1.931987
INTS11	1	10.57462	8.951553	10.57387	13.13837	25.73158	28.72216	17.3636	21.41188	38.4476	60.94382	13.794	33.37781	2.419734
INTS12	1	4.56564	4.234399	6.334348	6.010783	6.374383	2.654832	3.843207	3.021163	4.332864	2.566537	5.50391	3.283721	0.596616
INTS13	1	3.374433	3.582245	3.033851	2.974335	2.44882	3.091131	3.637547	4.650274	4.212715	2.309232	3.082737	3.58018	1.161364
INTS14	1	2.383407	2.644649	2.935529	2.761007	4.888441	2.127204	3.631608	4.357209	12.03481	4.491823	3.122607	5.328531	1.706437
INTS2	1	5.445441	6.387876	6.900958	5.324813	3.495347	7.271451	7.873368	17.13318	35.41893	14.57363	5.510887	16.45411	2.985746
INTS3	1	17.23288	14.50581	17.19639	19.4258	13.29711	16.47041	16.65641	20.43121	15.65908	15.43325	16.3316	16.93007	1.036645
INTS4	1	2.802137	2.794047	2.988243	2.772896	1.932809	7.651045	9.887491	9.567144	6.225604	3.879143	2.658027	7.442085	2.799854
INTS5	1	1.835509	1.286597	2.563544	3.211959	2.63882	4.004934	6.382413	6.691836	1.963224	4.390325	2.307286	4.686547	2.031195
INTS6	1	5.571321	6.298129	4.854634	5.084354	4.724123	4.31784	5.464514	5.869419	7.152792	4.453953	5.306512	5.451704	1.027361
INTS6L	1	3.233338	2.757993	1.292101	1.648169	3.771047	6.444426	3.815421	5.440536	7.966388	3.579446	2.54053	5.449244	2.144924
INTS7	1	7.113767	6.025214	4.430546	6.0914	5.383897	3.437572	6.190886	5.924353	6.491171	1.210772	5.808965	4.650951	0.800651
INTS8	1	22.91573	26.29271	24.90348	25.47522	31.30834	10.16426	10.57735	19.62045	15.66075	10.69098	26.17909	13.34276	0.509672
INTS9	1	3.575915	3.459037	4.336921	2.99323	3.976991	3.144555	4.873717	3.541408	2.992641	2.631112	3.668419	3.436686	0.93683
INTU	1	1.706895	1.947508	1.385551	1.18519	0.724169	1.541491	4.210178	2.303283	2.147441	0.489645	1.389863	2.138408	1.538575
INVS	1	5.248951	3.619844	5.613101	7.113696	3.549641	9.798031	3.134774	2.440947	7.323905	6.182884	5.029046	5.776108	1.148549
IP6K1	1	11.71129	11.42939	16.98452	20.6792	16.35201	49.10323	32.45809	33.86403	17.05802	34.11202	15.43128	33.31908	2.159191
IP6K2	1	13.22762	15.26303	15.52676	16.44539	12.72682	12.82968	19.32003	28.2083	17.85316	34.81696	14.63793	22.60563	1.544319
IP6K3	1	0.015128	0.017084	0.16519	0.14497	0.041051	0	0	0	0.117306	0	0.076684	0.023461	0.305945
IPCEF1	1	9.99425	13.47788	1.20652	0.907885	8.99494	3.285376	4.637469	0.265494	0.236029	1.407883	6.916295	1.96645	0.284321
IPMK	1	2.400192	3.231004	2.485861	2.100804	1.913711	2.962192	3.437435	6.283096	7.451269	4.529792	2.426314	4.932757	2.033025
IPO11	1	10.92113	10.62912	5.765907	6.179986	5.723692	4.303526	9.025227	5.682293	5.787534	3.554169	7.843967	5.67055	0.722919

IPO13	1	11.81378	11.67825	22.0778	27.28034	23.06024	22.14313	18.14642	16.80678	16.09288	22.41332	19.18208	19.12051	0.99679
IPO4	1	2.373055	1.597054	3.661788	3.805196	3.488771	15.81106	9.607162	14.48114	4.763132	11.99471	2.985173	11.33144	3.795908
IPO5	1	18.32463	15.62573	16.77679	16.69745	4.952487	12.08481	17.847	18.40935	17.76219	11.26833	14.47542	15.47434	1.069008
IPO7	1	34.473	38.44266	25.77914	22.36663	7.937193	38.878	51.85352	48.58945	64.667	37.02329	25.79973	48.20225	1.868324
IPO8	1	11.03372	11.11043	9.391057	9.464083	6.275016	8.683873	10.7297	15.40161	19.25942	9.84118	9.454862	12.78316	1.352019
IPO9	1	23.8184	18.83986	25.56528	32.38879	22.92734	34.60448	23.59353	29.40789	23.86795	38.68526	24.70793	30.03182	1.215473
IPP	1	3.340986	3.356317	3.604016	2.365346	3.994029	4.753061	3.437708	3.573294	4.296961	2.837577	3.332139	3.77972	1.134323
IPPK	1	5.304735	5.100655	5.848026	4.604396	6.153336	5.065071	11.05684	8.992952	8.124616	7.056123	5.40223	8.05912	1.491814
IQANK1	1	1.462977	0.48832	2.313682	2.253203	0.801831	0	0.030628	0	0.372565	0.155741	1.464003	0.111787	0.076357
IQCA1	1	2.178756	1.07031	1.296642	2.100985	0.857302	0.912172	2.048663	0.774245	0.675803	0.615709	1.500799	1.005318	0.669856
IQCA1L	1	0.058629	0.06621	0	0.015607	0	0	0.055371	0.050508	0	0.021658	0.028089	0.025507	0.90808
IQCB1	1	3.639881	3.146865	3.529383	2.686674	3.422267	9.405785	13.04606	14.18867	6.480498	7.582201	3.285014	10.14064	3.08694
IQCC	1	9.318822	6.984149	4.508342	7.277119	18.2002	7.231488	5.371255	8.12235	7.099923	8.207704	9.257726	7.206544	0.778436
IQCD	1	1.423066	1.276208	2.872867	4.211566	2.190479	0.719704	0.546343	0.896279	1.42189	0.606312	2.394837	0.838105	0.349963
IQCE	0.001488	11.71158	8.599024	10.28261	17.59788	9.761486	1.78075	3.497244	4.415003	3.410458	3.422724	11.59052	3.305236	0.285167
IQCF1	1	0	0.411832	0.056889	0	0	0	0	0	0	0	0.093744	0	0
IQCF2	1	0.111471	0.225724	0.075553	0.082881	0.114739	0	0.065343	0	0.039742	0.083066	0.122073	0.03763	0.30826
IQCF5	1	0	0.164096	0	0	0	0	0	0	0	0	0.032819	0	0
IQCF6	1	0	0	0.167757	0	0	0	0	0	0	0	0.033551	0	0
IQCG	1	1.384318	1.642978	1.27094	1.235778	0.741746	0.184576	0.468409	0.31903	0.501406	0	1.255152	0.294684	0.234779
IQCH	1	0.205042	0.176423	0.255888	0.18129	0	0.102195	0.05187	0.113554	0.151428	0.024346	0.163729	0.088679	0.54162
IQCK	1	2.288463	1.564227	1.409186	2.07146	2.754872	6.528421	3.144411	2.801559	4.536517	4.733784	2.017642	4.348938	2.155456
IQCM	1	0.036468	0.023533	0	0	0.028275	0.054528	0	0	0	0.034641	0.017655	0.017834	1.010117
IQCN	1	0.403227	0.520987	0.638362	0.356467	0.458715	0.101364	0.011225	0.145623	0.100131	0.207822	0.475552	0.113233	0.238109
IQGAP1	1	7.152779	5.916249	9.081024	8.26237	4.570833	11.15021	6.001885	9.026316	14.93493	5.016825	6.996651	9.226032	1.318635
IQGAP2	1	1.237977	0.371048	0.704754	0.752025	0.119412	1.550599	1.651942	11.36499	4.09472	3.740364	0.637043	4.480522	7.033307
IQGAP3	1	0.063524	0.021521	0.069367	0.011414	0.017238	0.033244	0.114738	0.098505	0.262717	0.036959	0.036613	0.109233	2.983435
IQSEC1	1	11.15018	11.87037	18.97152	19.90836	11.70286	10.52647	12.83129	8.559615	12.68197	19.02031	14.72066	12.72393	0.864359
IQSEC2	1	12.56064	10.22473	13.34858	14.6049	7.434453	22.47028	15.45611	8.074159	6.822622	14.85434	11.63466	13.5355	1.163377
IQSEC3	1	7.50043	13.36027	37.85065	31.12192	9.316524	14.53523	10.72132	8.277601	10.35201	25.17967	19.82996	13.81317	0.696581
IQUB	1	1.177021	1.583438	0.203679	0.412197	0.59343	0.336598	0.266512	0.232717	0.947628	0.240566	0.793953	0.404804	0.509859
IRAK1	1	7.557867	6.506187	17.34316	19.70683	23.88991	6.92644	3.715963	2.801467	2.105276	9.198776	15.00079	4.949584	0.329955
IRAK1BP1	1	1.814172	1.968555	1.240794	1.044057	3.468923	2.365093	3.580646	3.904407	2.836948	3.369924	1.9073	3.211403	1.683743
IRAK2	1	4.409322	3.774547	5.574461	5.168917	6.574598	9.995238	6.087726	4.707557	3.047406	6.006878	5.100369	5.968961	1.1703
IRAK3	1	0.928197	0.948978	0.911616	1.12504	0.327894	0.87666	0.752769	0.354863	0.766615	0.104995	0.848345	0.57118	0.673288
IRAK4	1	3.458512	3.712843	3.357002	3.624151	4.419516	6.671607	1.425764	0.851269	3.121775	2.950648	3.714405	3.004213	0.808801
IREB2	1	14.18327	14.05609	11.82138	10.08702	9.959094	10.18335	18.66331	17.40366	21.87883	13.17235	12.02137	16.2603	1.352616
IRF1	1	1.454244	1.326462	0.665062	0.483897	1.652741	3.935363	2.81287	1.814959	1.18873	1.952547	1.116481	2.340894	2.096671
IRF2	1	6.046674	4.436	7.063897	6.755572	5.135387	10.02199	5.51124	10.1324	6.587021	5.489522	5.887506	7.548435	1.282111
IRF2BP1	1	3.218724	4.201296	9.677916	11.59397	5.768871	1.723637	1.606517	2.669693	4.411439	19.32435	6.892155	5.947128	0.862884
IRF2BP2	1	19.18532	19.86576	24.87758	23.97915	20.07491	24.70006	25.72395	68.90525	56.59375	42.19249	21.59654	43.6231	2.019911
IRF2BPL	1	5.593766	6.934488	11.64167	13.12253	14.32793	16.9021	11.58528	15.18942	14.89068	21.40806	10.32408	15.99511	1.549301
IRF3	1	8.259705	6.050422	8.5213	11.33595	16.90936	9.904841	5.486119	5.393124	5.569524	5.195281	10.21535	6.309778	0.617676
IRF4	1	0.031591	0.026757	0.051745	0.033112	0.021432	0	0.033565	0.061234	0	0.039386	0.032928	0.026837	0.815032
IRF5	1	0.60327	0.649589	1.113252	1.243637	0.685288	4.111587	0.834738	0.350499	4.520891	4.586617	0.859007	2.880866	3.353715
IRF6	1	2.792627	1.869264	2.342658	2.913266	1.907115	1.355008	1.65057	1.649005	2.15119	1.475691	2.364986	1.656293	0.700339

IRF7	1	1.670236	1.540403	1.8036	2.056343	3.978504	1.748179	0.729551	1.798596	1.582995	7.481098	2.209817	2.668084	1.207378
IRF8	1	1.7103	1.812453	3.912254	3.971289	2.375587	7.974908	7.027465	0.837948	1.466622	3.099103	2.756377	4.081209	1.480643
IRF9	1	4.249258	2.679677	3.473189	4.122526	6.713149	5.636502	5.757398	6.480448	7.612371	5.329236	4.24756	6.163191	1.450996
IRGC	1	0	0.214718	0.115345	0.113879	0	0	0	0	0.382246	0	0.088788	0.076449	0.861025
IRGQ	0.001903	20.23285	18.50641	20.39486	20.89367	18.54786	4.047279	5.111968	4.929652	4.598518	6.239953	19.71513	4.985474	0.252876
IRS1	1	1.74502	1.754699	2.479797	2.27409	1.508196	2.512415	3.119698	2.110801	3.274791	2.09613	1.95236	2.622767	1.343383
IRS2	1	6.343407	8.450438	9.766719	12.79836	10.49132	4.139118	4.455159	4.150511	4.851053	5.963238	9.57005	4.711816	0.49235
IRS4	1	0.029863	0.01349	0.143483	0.175287	0	0.09377	0.025383	0	0	0	0.072425	0.023831	0.32904
IRX1	1	0	0	2.779408	1.16579	0	0	0.099423	0.483688	2.080162	2.131117	0.78904	0.958878	1.215247
IRX2	1	0.006336	0	2.020391	0.827337	0.034389	0.06632	0.296216	2.571014	4.618671	3.423255	0.577691	2.195095	3.799775
IRX3	1	0.038844	0.058488	1.102828	0.449795	0.052704	0	0.013757	0.150584	0.602422	2.2277	0.340532	0.598893	1.758698
IRX4	1	0.015677	0	0.034238	0	0	0	0.033313	0.081032	0.162087	0.06515	0.009983	0.068316	6.843346
IRX5	1	0.009362	0	0.715645	0.50468	0	0	0.019895	0.314554	0.968	1.478519	0.245938	0.556193	2.261523
IRX6	1	0.227429	0.148695	1.097962	0.616566	0.324826	0	0.025436	0.030936	0.123761	0.069643	0.483096	0.049955	0.103406
ISCA1	1	108.8751	116.1982	56.52372	60.76059	138.5559	69.70283	44.92844	27.55142	45.58552	58.17394	96.1827	49.18843	0.511406
ISCA2	1	11.41041	9.966497	7.116215	5.804413	12.46394	11.57792	11.26736	16.78014	12.99096	14.81055	9.352295	13.48539	1.441934
ISCU	1	45.2917	50.17824	58.23205	75.0374	177.8082	48.54394	31.10748	25.40359	52.59061	64.4073	81.30952	44.41058	0.546192
ISG12(B)	0.382876	0.016038	0	0.070054	0.019212	0	0	0	0	0.248737	4.479056	0.021061	0.945559	44.89632
ISG15	1	4.035824	0.39476	1.596251	0.647136	1.897179	2.328276	2.903659	0.985546	1.971378	4.384547	1.71423	2.514681	1.466945
ISG20	1	0.039664	0	0.086625	0.14254	0	1.037872	1.179975	0.922583	0.717669	2.076944	0.053766	1.187008	22.07747
ISG20L2	1	4.471638	4.861068	4.873814	4.585605	9.254016	4.33038	4.298104	4.946697	5.876408	3.973719	5.609228	4.685061	0.835242
ISL1	1	0	0	0.026259	0.086418	0	0	0	0	0.372946	0	0.022535	0.074589	3.309866
ISL2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ISLR	1	2.960915	0.113794	0.947972	0.789223	0.37861	1.500867	2.602365	0.320516	1.923375	0.219043	1.038103	1.313233	1.265032
ISLR2	1	3.38043	4.221492	3.427443	8.612204	3.707827	1.517808	2.403544	2.690084	1.732566	1.939203	4.669879	2.056641	0.440406
ISM1	1	2.662749	1.351577	1.639431	2.697664	3.997265	3.335515	3.852397	0.622284	0.366102	0.129495	2.469737	1.661159	0.672605
ISM2	1	0.862948	0.389813	0.222731	0.263129	0.17031	0	0.01667	0.101375	0	0.326024	0.381786	0.088814	0.232627
ISOC1	1	7.919862	8.783876	22.21093	12.01282	7.356288	10.38499	9.638261	12.40927	13.64761	10.22016	11.65676	11.26006	0.965968
ISOC2	1	4.065624	4.535568	7.045815	9.898112	7.548736	16.71129	11.54231	8.422916	4.850263	23.94179	6.618771	13.09371	1.97827
ISPD	1	3.799531	3.273946	4.338906	4.682699	2.223745	1.134459	1.579329	1.237463	3.029456	1.948286	3.663765	1.785798	0.487422
IST1	1	16.71127	16.13638	17.40541	20.43666	25.07856	17.71812	19.30977	24.1503	20.52409	20.67896	19.15366	20.47625	1.069052
ISX	1	0	0	0	0	0	0	0	0	0	0.01067	0	0.002134	#DIV/0!
ISY1	1	7.351412	5.929995	6.880798	6.943673	9.178906	56.5308	27.21424	31.30127	49.35603	68.90185	7.256957	46.66084	6.429808
ISYNA1	1	6.277417	2.424921	10.0298	9.77189	9.785975	35.86274	8.121408	9.027877	8.551175	13.9534	7.658	15.10332	1.972228
ITCH	1	14.93659	16.61241	17.63508	20.45523	13.14252	8.180014	13.5486	12.3139	11.9335	6.164764	16.55637	10.42816	0.629858
ITFG1	1	43.55237	52.0923	35.91828	36.39106	47.96521	25.04835	87.07412	69.03234	57.97964	40.75756	43.18385	55.9784	1.296281
ITFG2	1	2.843427	2.436006	6.560337	6.865635	6.579267	2.565618	3.67453	8.546579	7.741424	9.305276	5.056935	6.366685	1.259001
ITGA1	1	2.536503	1.987488	3.568266	3.26398	2.335465	8.101841	2.60746	2.072199	2.624299	0.648265	2.73834	3.210813	1.17254
ITGA10	1	2.070275	0.951111	1.539545	1.591092	2.446568	2.931897	4.612096	10.31747	2.090646	3.028262	1.719718	4.596073	2.672574
ITGA11	1	0.562324	0.340346	0.64214	0.757254	0.728073	1.25022	3.366053	0.436938	0	0.378796	0.606028	1.086401	1.79266
ITGA2	1	0.341095	0.828764	2.234812	3.045892	0.799398	0	0	0.020035	0.053434	0.073024	1.449992	0.029299	0.020206
ITGA2B	1	0.690985	0.510866	1.042246	1.345801	1.618797	2.211316	1.320422	7.156096	2.74978	6.94147	1.041739	4.075817	3.912513
ITGA3	1	0.927981	0.854043	10.29925	2.223245	1.227752	1.762832	2.371909	4.293067	4.029071	3.919667	3.106455	3.275309	1.054356
ITGA4	1	1.398968	0.546419	1.183064	0.201602	0.042816	1.733982	8.851154	1.00583	1.740068	1.180261	0.674574	2.902259	4.302361
ITGA5	1	0.68288	0.319109	0.844872	0.934877	0.775933	6.144007	2.3875	1.486659	1.199935	0.766103	0.711534	2.396841	3.368552
ITGA6	1	11.39672	9.805127	12.29144	12.5552	6.939707	10.5252	6.441774	3.946944	7.742884	1.364486	10.59764	6.004257	0.566566

ITGA7	1	14.48077	10.9399	17.23192	21.49804	31.0994	7.347346	12.46179	14.42044	9.725625	8.548517	19.05001	10.50075	0.55122
ITGA8	1	3.002874	0.791055	0.815068	0.680909	1.106244	7.091292	2.903762	1.150017	1.350538	0.477225	1.27923	2.594567	2.028226
ITGA9	1	2.313549	1.811475	1.77406	1.939971	0.516209	1.695059	4.806928	1.528027	1.435226	0.393136	1.671053	1.971675	1.1799
ITGAD	0.094576	0.019402	0	0	0.023241	0	0.634598	0.443198	0.162964	1.028075	0.10482	0.008529	0.474731	55.66344
ITGAE	1	4.409516	4.195159	1.992058	2.375848	6.986749	1.332134	0.907138	0.712687	0.945819	0.890365	3.991866	0.957629	0.239895
ITGAL	1	0.081303	0.077318	0.364468	0.384441	0.150956	1.298842	0.409177	0.320712	0.796367	0.099586	0.211697	0.584937	2.763081
ITGAM	1	1.75918	2.31163	3.73526	4.117062	0.486224	33.07473	16.26796	12.15207	3.789303	0.424211	2.481871	13.14165	5.295059
ITGAV	1	11.04387	12.93836	23.43733	21.15797	5.255758	19.54658	26.07936	18.66801	55.75176	22.33595	14.76666	28.47633	1.928421
ITGAX	1	0.242022	0.46674	0.59362	0.437104	0.161666	0.194858	1.455819	0.096229	1.058678	0.111412	0.38023	0.583399	1.53433
ITGB1	1	31.04889	19.03443	30.23061	30.19657	14.07539	48.05747	38.75833	29.26974	32.96968	30.2454	24.91718	35.86013	1.439173
ITGB1BP1	1	7.855696	9.239835	3.71175	4.236275	12.15896	7.852139	3.487427	5.687922	13.88019	3.447337	7.440503	6.871004	0.92346
ITGB1BP2	1	0.430658	0.344	1.07818	1.119842	0.883624	0	0	0.190026	0.814516	0.401601	0.771261	0.281229	0.364635
ITGB2	1	2.361787	2.22265	4.837494	5.658341	0.742299	4.992885	2.877943	1.051803	2.172893	4.658059	3.164514	3.150717	0.99564
ITGB3	0.087764	3.144808	2.54562	4.046437	3.223808	1.909701	0.489131	0.71265	0.412062	0.113689	0.374714	2.974075	0.420449	0.141371
ITGB3BP	1	3.734773	3.553021	2.313763	2.25616	2.700717	7.000463	3.592895	4.010272	2.268208	2.721751	2.911687	3.918718	1.345858
ITGB4	1	2.530605	0.258861	5.706963	6.754742	0.157581	1.05564	0.370184	5.078927	1.911787	11.43128	3.08175	3.969563	1.288087
ITGB5	1	9.747974	5.892357	12.34229	13.78808	13.35785	32.25516	18.91018	10.50407	26.71118	29.25685	11.02571	23.52749	2.133875
ITGB6	1	0.023628	0	0	0	0	0	0	0.008724	0	0.011222	0.004726	0.003989	0.844159
ITGB7	1	0.669941	1.068097	1.536897	1.045298	1.924942	0	0.035889	0.043649	0.261934	0.280756	1.249035	0.124446	0.099634
ITGB8	1	13.34627	12.41735	29.66013	27.73205	6.219889	2.077889	8.518591	3.947184	14.64811	3.191387	17.87514	6.476631	0.362326
ITGBL1	1	3.143855	0.743102	1.297365	1.18235	0.595213	1.100044	0.349563	0.425151	0.566951	0.394999	1.392377	0.567341	0.407462
ITIH1	1	0	0	0	0	0	0.466642	0	0	1.4117	0.101905	0	0.396049	#DIV/0!
ITIH2	1	2.436405	0.014074	0.163305	0.111965	0.067638	0.19566	0.066205	0	3.285739	1.63662	0.558677	1.036845	1.855892
ITIH3	1	0	0	0.086777	0.031731	0	0	0.042216	0.17115	4.55325	0.011008	0.023702	0.955525	40.3146
ITIH4	1	0.234096	0.104144	0.611958	0.777534	0.798887	0.816734	0.158277	0.678342	2.328702	0.41273	0.505324	0.878957	1.739393
ITIH5	1	6.107164	3.204291	4.674134	3.96215	1.598619	4.384002	4.720104	2.402462	3.743916	1.491377	3.909272	3.348372	0.856521
ITIH6	1	0	0	0	0	0	0	0	0	0.077342	0.01658	0	0.018784	#DIV/0!
ITK	1	0.042879	0.009685	0.037458	0.020546	0.023272	0	0	0	0	0.021384	0.026768	0.004277	0.159771
ITLN2_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ITLN2_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ITM2A	8.03E-07	0	0	0	0	0	47.15559	19.03582	14.14849	5.281065	3.047986	0	17.73379	#DIV/0!
ITM2B	1	309.985	231.526	292.4542	260.8467	346.9899	409.5271	433.1594	598.4637	511.7579	444.1489	288.3604	479.4114	1.662543
ITM2C	1	87.02779	75.04533	89.71162	135.6505	175.2637	47.33196	112.5642	50.84497	53.44207	118.2942	112.5398	76.49547	0.679719
ITPA	1	7.555403	6.453965	5.288687	6.742804	26.84066	12.1098	7.158359	4.784273	6.231587	7.854223	10.5763	7.627648	0.721202
ITPK1	1	16.54358	18.73125	20.03432	24.62896	17.91612	24.81503	15.72211	9.715021	6.732453	14.66242	19.57085	14.32941	0.732181
ITPKA	1	7.814019	7.606033	5.147105	8.745543	24.10398	7.67435	14.35635	3.167295	5.956464	5.693792	10.68334	7.36965	0.689827
ITPKB	1	5.438502	4.603813	20.44105	19.79386	7.335348	6.174586	7.365502	5.878581	13.42787	6.17181	11.52251	7.803671	0.677254
ITPKC	1	2.101317	2.192963	3.656432	3.212954	4.01787	2.473554	2.032934	3.326141	2.296255	5.802885	3.036307	3.186354	1.049417
ITPR1	1	21.61882	18.60579	52.90867	15.68187	8.05445	19.83689	30.0518	120.5884	58.21547	22.44384	23.37392	50.22728	2.14886
ITPR2	1	4.199064	4.72349	10.11705	7.867538	2.0313	4.518722	5.162527	3.2964	9.266906	2.273082	5.787688	4.903527	0.847234
ITPR3	1	2.442846	2.364021	1.538732	2.383548	1.174266	1.170999	1.186722	0.597407	0.93687	0.753143	1.980682	0.929028	0.469045
ITPRIP	1	0.384083	0.278838	1.283912	1.342714	0.446689	2.604838	0.458047	0.384902	1.337221	1.276949	0.747247	1.212391	1.622477
ITPRIPL1	1	0.576515	0.222886	0.476411	0.721712	0.535585	3.778159	4.01733	2.832285	2.497069	1.933988	0.506622	3.011766	5.944803
ITPRIPL2	1	1.086319	0.808702	1.386896	1.243027	0.835975	2.432414	1.257546	0.900923	0.82422	0.354876	1.072184	1.153996	1.076304
ITSN1	1	8.689772	8.350888	11.78846	8.431752	3.400358	4.552816	5.918778	3.551414	5.238459	4.716497	8.132246	4.795593	0.589701
ITSN2	1	8.928519	8.408027	6.082698	6.868789	4.236516	8.170142	11.43495	7.807605	8.453592	6.622443	6.90491	8.497746	1.230682

IVD	1	25.0124	21.78818	36.19745	50.90859	32.63467	15.78344	14.755	15.79824	11.51919	15.69525	33.30826	14.71022	0.441639
IVL	1	0.075038	0.072635	0	0	0.058179	0	0	0	0	0	0.04117	0	0
IVNS1ABP	1	30.39058	26.62859	20.92431	19.40261	26.08929	35.64402	46.45425	38.2227	35.65973	22.54784	24.68708	35.70571	1.446332
IWS1	1	10.51169	9.149393	7.499323	6.869573	4.849295	7.171818	7.999885	10.81643	9.056936	7.915043	7.775854	8.592023	1.104962
IYD	1	0	0	0	0.015877	0	0	0.042246	0.102762	0	0.066098	0.003175	0.042221	13.29647
IZUMO1	1.51E-07	0.016403	0	0.035822	0.029473	0	12.66136	4.060551	6.019574	0.720758	0.408997	0.01634	4.774248	292.19
IZUMO1R	1	0	0	0	0	0.033464	0	0	0	0	0	0.006693	0	0
IZUMO2	1	0.136093	0.025615	0.594445	1.005323	0.492417	0.118704	0.771177	0.996556	1.05533	3.12955	0.450779	1.214263	2.693702
IZUMO3	1	0	0.054593	0	0	0	0	0	0	0	0	0.010919	0	0
IZUMO4	1	2.102642	1.475434	1.426668	2.714372	2.825241	2.457163	1.084468	0.580347	2.427259	1.934288	2.108871	1.696705	0.804556
JADE1	1	4.341079	4.70373	4.830191	4.266862	2.71566	2.821851	2.747952	2.279284	3.141853	2.72701	4.171505	2.74359	0.657698
JADE2	1	5.835852	5.955628	9.741682	12.0302	7.29391	5.021738	6.033767	5.250469	6.041959	11.48315	8.171454	6.766217	0.828031
JADE3	0.000435	0.925976	0.813798	1.443331	1.283655	0.77005	2.970089	2.308817	11.16473	2.779525	2.085477	1.047362	4.261728	4.069012
JAG1	1	5.687777	3.528259	4.996746	4.471863	3.939124	7.848163	6.877241	2.782598	5.400351	1.741848	4.524754	4.93004	1.089571
JAG2	1	3.057061	2.900546	7.068701	8.989995	2.95795	2.404162	2.023376	2.547253	6.692909	8.24066	4.994851	4.381672	0.877238
JAGN1	1	9.251064	10.60468	8.865392	10.30962	31.86503	29.72301	30.13493	24.80937	13.50979	19.28811	14.17916	23.49304	1.656872
JAK1	1	32.54497	30.19984	25.36153	26.98991	14.83693	24.03362	27.29068	36.64377	38.11166	40.76822	25.98664	33.36959	1.284106
JAK2	1	8.30515	12.30218	6.928989	5.275551	4.54562	4.083176	13.99427	8.782542	11.43139	5.378535	7.471498	8.733983	1.168973
JAK3	1	0.522659	0.64708	0.972361	0.992469	1.197696	1.235926	1.201119	0.590342	1.000725	0.231689	0.866453	0.85196	0.983274
JAKMIP1	1	18.22721	18.2865	7.783002	11.75408	23.27654	13.22292	13.38062	6.075782	4.906766	6.413486	15.86547	8.799914	0.554658
JAKMIP2	1	26.61723	28.94891	12.01718	14.95886	15.97504	13.59343	17.86544	11.49587	14.10933	11.68471	19.70344	13.74975	0.697835
JAKMIP3	1	5.70711	7.169238	7.159158	8.790679	5.763334	4.013612	5.54859	5.243602	4.50843	2.865324	6.917904	4.435911	0.641222
JAM2	1	35.25043	18.86837	23.11151	18.22645	21.17922	42.09179	27.86101	30.56401	29.41645	17.45361	23.3272	29.47738	1.263649
JAM3	0.007648	10.69057	15.18832	28.33469	41.88671	25.92729	5.97495	7.243414	2.894216	3.840689	2.733347	24.40552	4.537323	0.185914
JAML	1	0.621556	0.287152	0.617025	0.38074	0.268338	0.221782	0.195115	9.017612	1.679638	0.281791	0.434962	2.279187	5.239967
JARID2	1	5.059275	5.21235	7.077259	5.102179	1.848652	4.922502	4.648236	14.96525	13.19847	16.42561	4.859943	10.83201	2.228836
JAZF1	1	15.17826	16.76295	12.03845	8.77261	3.098509	15.04175	18.7829	7.377387	16.07995	7.526856	11.17016	12.96177	1.160393
JCAD	0.015606	10.09923	8.379993	5.429581	7.672068	6.907346	2.550434	1.56387	0.561675	0.697941	0.574754	7.697644	1.189735	0.154558
JCHAIN	1	1.355964	1.355287	0.850969	0.802815	1.945557	7.340901	5.563996	3.625254	3.8675	4.27495	1.262118	4.93452	3.909712
JDP2	1	16.36184	13.01386	11.39815	14.29481	18.14276	8.672338	11.27231	10.80539	8.911437	10.19561	14.64228	9.971417	0.681001
JHY	1	0.115299	0.072338	0.251808	0.268558	0.034765	0	0.068057	0	0.695395	0.010648	0.148553	0.15482	1.042183
JKAMP	1	16.61203	20.46067	14.23071	16.42783	22.33419	17.44672	21.01079	19.82646	22.76703	19.08157	18.01309	20.02651	1.111776
JMJD1C	1	8.249219	10.12307	13.75538	9.038721	3.829259	10.11305	9.285217	43.58194	33.61736	25.2823	8.999131	24.37597	2.708703
JMJD4	1	2.393492	2.815249	5.152139	3.160276	2.988184	2.201041	1.844302	2.95458	2.49051	3.826241	3.301868	2.663335	0.806615
JMJD6	1	4.087468	4.17432	4.739783	3.968526	1.644037	7.625331	11.6352	12.10975	9.039037	13.85718	3.722827	10.8533	2.915339
JMJD7	1	1.173805	0.548518	2.710874	1.648524	1.537741	3.601014	2.264918	5.648833	3.347943	8.904005	1.523892	4.753343	3.119211
JMJD8	1	3.88373	3.998926	3.201507	2.919088	13.92307	35.51864	22.87705	14.7115	2.95257	3.623619	5.585263	15.93668	2.853344
JMY	1	4.000737	5.485179	6.071552	5.65755	2.381764	2.463852	4.323111	6.83806	8.127573	4.072493	4.719356	5.165018	1.094433
JOSD1	1	7.92607	8.36098	7.548734	7.648771	14.89287	10.07996	11.47129	14.32004	11.89418	17.99168	9.275486	13.15143	1.41787
JOSD2	1	1.990751	2.816385	8.146009	14.0462	4.333669	2.003511	0.999454	0.621921	3.845163	6.073098	6.266602	2.708629	0.432233
JPH1	1	3.946056	5.162253	7.722097	10.49759	3.732001	1.901528	3.951822	2.615222	2.363131	5.462054	6.211998	3.258752	0.52459
JPH2	1	0.273425	0.07237	0.363888	0.261004	0	0.916685	0.099862	0.121456	0.331291	0.248568	0.194137	0.343572	1.769737
JPH3	1	21.36792	21.63074	25.18046	24.91114	7.15537	14.28734	13.30721	7.682523	15.68877	29.36963	20.04912	16.0671	0.801386
JPH4	1	37.80345	32.0629	41.6998	55.65619	28.47257	63.27984	53.48816	44.07379	21.31431	60.75037	39.13898	48.58129	1.241251
JPT1	1	52.93845	43.50675	28.92491	38.94745	97.04989	80.26955	58.93453	51.4597	44.69344	77.19605	52.27349	62.51065	1.195839
JPT2	1	2.571241	2.452655	6.124338	8.039094	5.306516	8.687708	6.409749	5.053814	5.764337	2.953252	4.898769	5.773772	1.178617

JRK	0.089786	1.677523	1.854882	3.864943	4.811745	2.316142	0.115767	0.172357	0.195334	0.571792	0.922384	2.905047	0.395527	0.136152
JRKL	1	4.955738	3.839304	2.965808	2.739465	1.573867	1.776708	3.176242	2.48601	3.485795	1.379547	3.214836	2.46086	0.76547
JSP.1	1	14.28344	6.556259	11.53637	8.096115	3.651234	8.443185	4.31514	4.282302	10.43359	17.2513	8.824684	8.945103	1.013646
JSRP1	1	0.029906	0	0	0.017912	0	0	0	0	0	0	0.009564	0	0
JTB	1	16.8969	13.04808	15.49377	15.85051	47.92959	34.97028	14.57471	18.18277	19.40285	39.88146	21.84377	25.40241	1.162913
JUN	1	35.45468	23.26293	24.60582	32.30558	16.60544	28.85152	18.07328	21.35976	41.38278	30.78825	26.44689	28.09112	1.062171
JUNB	1	10.59778	8.308941	7.820218	9.715954	14.95351	7.020464	7.45542	2.506914	12.74978	14.47789	10.27928	8.842093	0.860186
JUND	1	41.77219	49.62966	61.70055	71.06027	79.68935	120.9939	27.04575	16.47472	49.18211	143.2598	60.7704	71.39125	1.17477
JUP	1	5.288401	5.009553	19.09133	21.24872	10.87374	6.762702	1.280669	0.729685	1.768341	0.667906	12.30235	2.241861	0.18223
KALRN	1	7.818838	7.985803	4.304941	6.071097	6.554543	7.5482	14.29225	0.741071	0.583223	0.871276	6.547044	4.807204	0.734256
KANK1	1	10.05774	7.391529	11.50998	13.43591	4.700443	10.37254	10.07063	5.437972	4.462575	5.069606	9.419121	7.082665	0.751945
KANK2	1	11.02922	1.838088	6.809066	5.40403	3.852133	6.573177	1.034429	1.680683	4.380016	4.231453	5.786506	3.579952	0.618672
KANK3	1	1.177777	1.411406	3.266162	3.897604	3.506512	2.860131	0.288082	0.29563	1.160792	1.908559	2.651892	1.302639	0.491211
KANK4	1	1.224117	1.235898	1.053387	1.11571	1.110293	0.905225	1.116814	0.068775	0.773834	0.215654	1.147881	0.61606	0.536694
KANSL1	1	7.64453	6.959501	9.560397	7.957578	4.881116	7.059941	7.760173	13.61145	9.879864	11.18441	7.400624	9.899169	1.337613
KANSL1L	1	3.033665	2.259132	3.24869	2.760618	0.88488	3.738952	2.958486	15.16935	8.163469	3.026997	2.437397	6.61145	2.712504
KANSL2	1	9.933373	9.032976	9.870063	10.21365	15.89548	21.00994	17.45181	19.58521	11.58285	15.47022	10.98911	17.02	1.548807
KANSL3	1	6.548639	6.515009	8.032613	9.466707	9.436056	4.728215	2.777659	4.807995	4.074416	4.285528	7.999805	4.134763	0.516858
KANTR	1	0.773849	0.883472	0.98465	0.82399	0.818469	0.289105	0.70528	0.924568	0.771545	0.644309	0.856886	0.666962	0.778355
KARS	1	35.13708	30.87307	22.8558	23.76511	37.01416	64.31792	50.62031	127.0519	34.80435	38.06247	29.92904	62.97138	2.104022
KAT14	1	14.17918	12.58094	11.18027	13.30207	10.62411	23.19722	18.20652	23.93134	18.35842	25.3594	12.37331	21.81058	1.762711
KAT2A	1	19.33378	18.41636	18.95676	23.18119	22.82864	25.73059	23.91473	18.39194	11.18737	26.50594	20.54334	21.14611	1.029341
KAT2B	1	41.4477	30.85769	43.94754	48.68459	44.94198	34.73981	35.50399	48.19394	65.36829	57.80258	41.9759	48.32172	1.151178
KAT5	1	9.880704	9.767094	10.8902	11.63525	13.12221	19.2538	16.82885	20.57618	11.56766	26.16302	11.05909	18.8779	1.707003
KAT6A	1	6.896027	7.078732	11.21115	9.591627	4.525218	8.540344	5.3994	12.67836	12.04031	10.30135	7.86055	9.791952	1.245708
KAT6B	1	8.502366	7.17368	7.116433	6.009643	2.736099	4.076828	6.011331	10.93517	6.60463	6.267697	6.307644	6.779131	1.074749
KAT7	1	27.09536	24.01796	22.50373	24.70523	28.95649	20.98898	19.65938	32.67899	29.85522	50.20281	25.45575	30.67707	1.205114
KAT8	1	13.01466	14.85063	14.98156	15.87167	36.2495	20.10191	9.18009	16.23387	9.297873	19.321	18.99361	14.82695	0.780628
KATNA1	1	11.62801	9.869394	5.888141	8.096024	9.531077	5.231069	3.137332	5.237756	10.28741	2.942128	9.002528	5.367138	0.596181
KATNAL1	1	10.59878	10.29264	9.535139	8.358755	10.39298	6.906386	6.274579	4.554667	7.291371	2.627954	9.835659	5.530991	0.562341
KATNAL2	1	0.112685	0.212094	0.205084	0.314965	0.305791	0.491433	0.359176	0.121345	0.970904	0.14049	0.230124	0.41667	1.810633
KATNB1	1	4.687495	5.761213	6.080298	6.536786	8.779285	5.336385	5.961969	4.400214	3.41845	7.016558	6.369015	5.226715	0.820647
KATNBL1	1	1.560302	1.956046	1.000407	0.977407	1.126516	2.771799	3.863087	4.624439	2.738066	3.069658	1.324136	3.41341	2.57784
KAZALD1	1	0.388158	0.921657	0.326047	0.417283	1.107351	7.552487	3.320415	1.723399	2.726968	1.604848	0.632099	3.385623	5.356159
KAZN	1	4.448103	6.678818	12.99957	15.39875	7.807397	2.698943	3.039047	3.541937	3.764627	7.326759	9.466528	4.074263	0.430386
KBTBD11	0	24.97205	29.2005	26.53309	39.75874	27.25107	2.141297	1.809727	2.167564	4.067764	3.945599	29.54309	2.82639	0.09567
KBTBD12	1	0.435499	0.368858	2.060743	1.282466	0.410347	0.348197	0.758324	0.734715	1.094416	2.413147	0.911583	1.06976	1.173519
KBTBD13	1	0	0	0	0.054081	0	0	0	0	0.038898	0.012508	0.010816	0.010281	0.950553
KBTBD2	1	14.87286	14.2843	11.18154	11.00681	12.59931	18.46533	18.0772	25.80985	22.97059	17.84699	12.78897	20.63399	1.613421
KBTBD3	1	4.612337	7.133873	6.232739	4.49467	4.066755	1.817081	4.974273	3.98309	6.878778	4.025396	5.308075	4.335723	0.816817
KBTBD4	1	8.871805	9.291296	8.392121	8.161227	9.745216	17.02536	23.07675	28.45268	9.546541	23.68285	8.892333	20.35684	2.289257
KBTBD6	1	3.34214	3.188	3.401524	3.389395	0.950973	2.479238	5.971095	7.933148	6.609122	7.702538	2.854406	6.139028	2.15072
KBTBD7	1	5.140708	4.987765	3.56667	3.556041	3.503921	2.378748	4.974663	5.936017	5.739331	4.921393	4.151021	4.790031	1.15394
KBTBD8	1	2.94602	2.984477	2.270821	2.227261	2.410116	2.097232	1.825876	4.301436	3.396856	1.752454	2.567739	2.674771	1.041683
KCMF1	1	22.98968	24.22978	19.74451	16.97699	29.84531	63.83239	30.36538	26.6314	21.97068	23.02176	22.75725	33.16432	1.457308
KCNA1	1	6.980688	11.66775	9.756548	14.00855	14.08411	2.264444	15.21998	9.154432	7.305573	5.819333	11.29953	7.952752	0.703813

KCNA10	1	0.046894	0.026479	0.051207	0.056174	0.063627	0.122705	0.099647	0.121194	0.060606	0.097441	0.048876	0.100318	2.052512
KCNA2	1	7.222561	17.24083	32.19017	13.65943	0.858709	5.287657	22.50821	19.79976	20.77843	7.401274	14.23434	15.15507	1.064683
KCNA3	1	7.56973	9.643142	9.089463	7.842828	2.841591	3.313751	4.707148	11.64597	8.951593	7.804171	7.397351	7.284527	0.984748
KCNA4	1	4.228608	4.040341	2.325253	4.001736	1.824779	1.105357	3.718802	0.200525	0.17827	0.014331	3.284143	1.043457	0.317726
KCNA5	1	1.486748	1.997424	6.68061	7.175045	2.249144	0.178865	0.435761	0.132497	1.634369	0.539747	3.917794	0.584248	0.149127
KCNA6	1	5.145707	6.86438	18.88016	19.18368	9.15995	3.669141	4.08522	5.583523	5.854942	2.900515	11.84677	4.418668	0.372985
KCNA7	1	0.005643	0.012746	0	0	0	0	0	0	0	0	0.003678	0	0
KCNAB1	1	18.44149	16.80175	7.522234	10.95483	10.20547	9.144605	24.2959	34.76491	39.04953	19.69267	12.78516	25.38952	1.98586
KCNAB2	1	49.57617	44.78666	43.20759	61.10234	75.78582	51.57262	32.79446	8.164245	6.263894	9.999061	54.89172	21.75886	0.396396
KCNAB3	1	7.341473	8.389043	14.40941	5.960795	19.38564	4.595536	26.12371	40.87098	13.70062	18.47693	11.09727	20.75355	1.870149
KCNB1	1	13.67842	15.06787	6.217638	8.826081	6.134314	4.144454	20.32166	4.870652	4.223573	4.624273	9.984864	7.636923	0.76485
KCNB2	1	5.451126	4.837344	2.13405	3.445298	2.785071	1.41512	4.453132	0.762379	0.063541	0.674256	3.730578	1.473686	0.395029
KCNC1	1	11.33459	21.20281	29.90512	21.87276	48.41766	8.460949	15.5521	37.72524	42.6886	48.15465	26.54659	30.51631	1.149538
KCNC2	1	31.36803	37.29814	16.37661	19.13215	18.66697	10.37819	24.57423	1.637216	0.836526	1.270552	24.56838	7.739342	0.315012
KCNC3	1	9.715577	13.56659	28.80322	19.46821	2.862622	2.445189	12.82515	17.75208	11.72854	17.1194	14.88324	12.37407	0.831409
KCNC4	1	3.166788	4.039346	8.993141	8.862293	6.830655	9.217187	5.836929	6.805423	3.997012	7.621266	6.378445	6.695563	1.049717
KCND1	1	1.488437	1.290691	1.776268	2.470713	2.437902	0.584211	0.271102	0.480847	0.494658	0.335795	1.892802	0.433323	0.228932
KCND2	1	17.72742	17.94759	29.0408	15.25183	1.419905	3.687569	17.46364	67.37999	93.628	74.33907	16.27751	51.29965	3.151566
KCND3	1	11.85272	10.38268	17.36	10.38532	6.066301	2.822506	4.5146	27.45413	31.98562	33.28132	11.2094	20.01163	1.785254
KCNE1	1	0.345237	0.35089	0.150797	0.206778	0.843173	0.813032	0.69693	0.089224	1.249324	0.17217	0.379375	0.604136	1.592451
KCNE2	1	0	0	0	0	0	0.12617	0.05123	0	0.249269	0.040077	0	0.093349	#DIV/0!
KCNE3	1	0.255676	0.161352	0.229923	0.306272	0.183658	1.23965	0.471391	0.398411	0.660875	0.256261	0.227376	0.605318	2.662183
KCNE4	1	1.741085	0.314272	0.919447	0.444479	1.452274	1.531059	0.636837	0.848311	0.774657	1.565749	0.974312	1.071322	1.099569
KCNE5	1	0.280711	0.58873	0.934188	1.601246	0.834305	0.209864	0.426069	0.656387	2.211311	6.643991	0.847836	2.029524	2.393771
KCNF1	1	22.89301	22.84296	10.32961	26.71274	43.68755	17.30965	30.28965	2.583379	0.252074	0.108075	25.29317	10.10857	0.399656
KCNG1	1	11.3857	6.174876	6.693956	14.07619	4.70022	1.555166	4.708905	1.887106	0.131678	0.197596	8.606189	1.69609	0.197078
KCNG2	1	0.408527	0.973964	1.511794	4.078097	0.677482	0.534489	0.337594	0.175969	0.11733	5.055579	1.529973	1.244192	0.813212
KCNG3	1	0.047588	0.088791	0.375056	0.203238	0.044918	0.097453	0.07914	0.005347	0.096267	0.06191	0.151918	0.068023	0.447763
KCNG4	1	0.032277	0.020829	0.382675	0.149136	0	0.072394	0.137176	0.572018	0.548264	1.111444	0.116984	0.488259	4.17374
KCNH1	1	6.17955	4.370745	4.937523	3.004825	0.262933	0.845112	5.63911	7.985348	2.17055	6.192119	3.751115	4.566448	1.217357
KCNH2	1	1.904375	1.946115	10.49339	8.470676	1.965685	1.146421	2.246788	11.71558	5.14896	22.22307	4.956048	8.496163	1.714302
KCNH3	1	8.292323	7.487019	7.867139	18.01849	14.23125	29.19951	16.84295	0.282918	0	0.904188	11.17924	9.445913	0.844951
KCNH4	1	4.810884	5.518678	1.705083	3.342585	7.022909	4.312803	8.832696	0.429706	0.616625	0.79312	4.480028	2.99699	0.668967
KCNH5	1	0.531714	1.243825	2.350132	1.73641	0.103064	0.927544	3.147479	0.163593	0.032723	0	1.193029	0.854268	0.71605
KCNH6	1	0.071082	0.080273	4.158223	4.86564	0.248006	0.106284	0.31288	2.519416	1.023662	1.79775	1.884645	1.151998	0.611255
KCNH7	1	1.716924	3.146192	2.68846	2.299227	0.15384	0.381448	3.906517	0.041861	0.083735	0.080776	2.000929	0.898867	0.449225
KCNH8	1	0.764162	1.235533	2.058555	0.564555	1.233248	0.440431	0.951393	0.043501	1.72288	0.106324	1.171211	0.652906	0.557462
KCNIP1	1	9.496492	9.363474	6.42202	6.467454	18.83722	14.83379	15.36515	13.18104	15.00215	25.75497	10.11733	16.82742	1.663227
KCNIP2	1	20.51591	19.49438	9.292848	13.66987	61.32738	22.46	26.82127	3.75412	7.774814	11.62826	24.86008	14.48769	0.582769
KCNIP3	1	12.19684	11.13396	8.854479	11.2014	12.59571	32.38786	17.8784	7.50108	5.312822	15.82594	11.19648	15.78122	1.409481
KCNIP4	1	22.13832	26.43745	14.81196	14.19738	25.20874	20.45102	22.80667	47.25789	81.97828	39.4038	20.55877	42.37953	2.061384
KCNJ1	1	0	0	0.01045	0.022927	0	0	0	0	0	0	0.006676	0	0
KCNJ10	1	30.42272	27.33416	62.52259	57.04939	23.49159	14.75615	51.05863	33.93578	26.43862	23.37621	40.16409	29.91308	0.744772
KCNJ11	1	8.232132	8.776562	6.173394	7.026756	10.65058	2.409892	4.516231	5.291405	1.867827	13.20171	8.171885	5.457412	0.667828
KCNJ12	1	1.470665	1.291315	4.825495	2.579331	1.269832	0	0.717724	1.518521	1.36414	4.164238	2.287328	1.552924	0.678925
KCNJ13	1	0.594332	0.033123	0.013486	0.003698	0.041891	0	0	0.614407	0.087785	0.023096	0.137306	0.145057	1.056453

KCNJ14	1	0.230264	0.195029	1.4458	0.999889	0.234322	0	1.406734	0.855461	1.934367	0.885167	0.621061	1.016346	1.636468
KCNJ15	1	0.005996	0.006772	0.072028	0.014366	0.016272	0	0.038226	0	0	0.009968	0.023087	0.009639	0.417504
KCNJ16	0.091798	2.614635	2.506978	4.148168	3.501713	2.732941	0.300455	0.106748	0.061824	0.816197	0.640229	3.100887	0.385091	0.124187
KCNJ2	1	2.445622	2.529943	2.421861	3.148756	1.063885	0.664362	0.610924	0.578984	1.331856	0.328959	2.322013	0.703017	0.302762
KCNJ3	1	21.64231	26.2841	12.55951	12.55863	20.86906	6.620659	26.48406	25.78523	23.25135	21.66035	18.78272	20.76033	1.105288
KCNJ4	1	14.29983	11.9476	5.468894	14.24483	18.09384	14.92325	14.35939	0.263205	0.247758	3.863922	12.811	6.731505	0.525447
KCNJ5	1	0.181601	0.052203	0.692265	0.506273	0.197123	0	0	0	0.034139	0	0.325893	0.006828	0.020951
KCNJ6	1	4.997434	6.206587	5.484318	2.847643	3.990634	0.211965	1.95305	1.384963	2.029427	0.968506	4.705323	1.309582	0.278319
KCNJ8	1	5.614902	8.630369	2.338126	3.219776	20.08935	7.808085	3.702844	1.118525	2.47289	7.66776	7.978505	4.554021	0.570786
KCNJ9	1	26.02523	30.68659	20.40822	18.65283	28.08742	9.597989	9.447529	8.447727	14.22177	25.67335	24.77206	13.47767	0.544068
KCNK1	1	30.20199	35.9064	27.36897	32.10665	33.64186	5.636502	32.01733	55.03306	34.56742	41.81329	31.84518	33.81352	1.06181
KCNK10	1	0.71998	1.266889	2.413465	0.829031	2.317285	0.993088	1.624801	4.168653	2.798741	4.397718	1.50933	2.7966	1.852875
KCNK12	1	1.499784	2.945042	3.935453	3.512721	2.703157	3.338695	3.424799	3.210805	2.430152	12.13081	2.919231	4.907052	1.68094
KCNK13	1	0.129167	0.476506	0.695836	0.732381	0.747769	0.045065	0.036596	0	0.044516	0.629841	0.556332	0.151204	0.271787
KCNK15	1	0	0	0.084921	0.069868	0	0.610475	0.082626	0.100493	0.100508	0.064638	0.030958	0.191748	6.19386
KCNK16	1	0.029775	0.218567	0.097543	0.107004	0.262603	0	0	0	0.384821	0.197987	0.143098	0.116562	0.814557
KCNK17	1	0.222522	0.016753	0.178193	0.177705	0.140899	2.523153	0.551657	0.115019	0.115036	0.184953	0.147214	0.697964	4.741135
KCNK18	1	0	0	0	0.037278	0	0	0	0	0	0	0.007456	0	0
KCNK2	1	10.64683	4.344215	2.159138	4.33856	2.037917	1.989941	2.821264	5.069191	0.704384	1.222045	4.705332	2.361365	0.501849
KCNK3	1	0.348569	0.677062	7.612603	1.920722	0	1.094504	0.592553	1.549472	4.901369	5.910262	2.111791	2.809632	1.33045
KCNK4	1	1.845264	1.783309	3.855609	3.836371	2.720387	5.106998	5.730827	4.86069	1.330005	4.055515	2.808188	4.216807	1.501611
KCNK5	1	0.32568	0.046704	0.158061	0.099081	0.056114	0	0.02197	0.053441	0.106898	0.060154	0.137128	0.048493	0.353632
KCNK6	1	0	0.090349	0.524175	0.095836	0	0	0.340008	0.155074	0	0.56522	0.142072	0.21206	1.492626
KCNK7	1	0.38011	0.42926	0.754677	0.641603	0.656405	0.36168	0	0.178613	0.982515	1.148853	0.572411	0.534332	0.933477
KCNK9	1	0.667765	1.168871	2.07818	0.439951	0.181209	0.698926	3.228148	2.200395	2.330169	4.384688	0.907195	2.568465	2.831215
KCNMA1	1	17.77752	21.56628	13.12969	11.45541	14.47533	11.74411	22.2476	8.785228	7.605697	4.785796	15.68084	11.03369	0.703641
KCNMB1	1	0.341626	0.07716	0.037305	0.081846	0.092706	0.178784	0.127039	0.066218	0	0.042592	0.126129	0.082927	0.657478
KCNMB2	1	1.119993	1.32015	0.947833	0.964298	1.310695	3.077177	3.049283	0.506548	0.072374	0.069818	1.132594	1.35504	1.196404
KCNMB3	1	0.185416	0.16211	0.104501	0.236439	0.243464	0.65733	0	0.061832	0.401966	0.238625	0.186386	0.271951	1.459073
KCNMB4	1	31.1175	30.03331	14.19182	23.61094	27.68963	111.5767	33.21587	4.343336	4.075821	4.200847	25.32864	31.48251	1.242961
KCNN1	1	2.791753	3.144553	2.375485	4.013068	7.241378	6.982516	3.882982	0.487255	2.136738	2.314385	3.913247	3.160775	0.807712
KCNN2	1	3.893442	3.932798	3.238405	3.552504	6.783088	3.503106	6.823953	3.919839	3.263357	2.894531	4.280047	4.080957	0.953484
KCNN3	1	0.624059	0.806196	2.891045	2.279482	0.25659	0.779364	1.054848	0.959155	3.15284	1.32425	1.371475	1.454092	1.060239
KCNN4	1	0.482363	0.315063	0.666244	1.133777	0.820763	0.095517	0.155135	0.067386	0.377416	0.585133	0.683642	0.256117	0.374637
KCNQ1	1	0.226985	0.113927	0.440645	0.372609	0.045627	0.087991	0.035728	0.043454	0.173841	0.013975	0.239958	0.070998	0.295876
KCNQ2	0.075199	25.7325	25.00346	39.6845	50.16619	24.17422	11.27133	8.400462	5.445	6.391832	12.64794	32.95218	8.831313	0.268004
KCNQ3	1	8.904061	13.08888	21.53437	16.86319	5.96943	85.50174	44.34791	10.68467	8.914712	27.04884	13.27199	35.29957	2.659705
KCNQ4	1	0.62418	0.454262	0.94918	0.758778	2.057677	5.44423	3.546761	0.310682	0.573651	1.129826	0.968816	2.20103	2.271877
KCNQ5	1	15.29615	16.74587	5.507615	11.93715	16.25011	6.062921	10.4253	0.276503	0.237037	1.356732	13.14738	3.671698	0.279272
KCNRG	1	0.083968	0.047413	0.427894	0.067057	0	0	0.178428	0.217011	0.506433	0.511805	0.125266	0.282735	2.257073
KCNS1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KCNS2	1	6.256431	11.64051	4.942585	7.633328	9.882813	2.000897	7.911109	0.429188	0.479163	3.306261	8.071133	2.825323	0.350053
KCNS3	1	2.541872	3.822444	1.236829	2.161401	3.091504	3.515155	5.359371	1.00412	0.136172	0.405029	2.57081	2.083969	0.810628
KCNT1	1	7.623106	8.299617	9.293164	7.304351	7.765158	4.083151	4.890674	13.25847	26.75492	29.8307	8.057079	15.76358	1.956489
KCNT2	1	3.891641	3.069687	1.336514	1.814889	1.515572	7.477983	8.0991	6.234254	2.211486	0.977788	2.32566	5.000122	2.149979
KCNU1	2.96E-09	0.010229	0.034656	0	0	0	1.391857	1.760666	0.462645	3.860346	0.025507	0.008977	1.500204	167.1162

KCNV1	1	29.51482	31.60592	5.358287	8.800146	20.32497	7.406459	23.10205	3.192245	0.058181	0.289984	19.12083	6.809783	0.356145
KCNV2	1	0.021395	0.043492	0	0	0	0	0	0	0.022121	0	0.012977	0.004424	0.340921
KCP	1	0.073683	0.06703	0.07599	0.115233	0.138854	0.717654	0.226159	0.206298	2.433607	0.663461	0.094158	0.849436	9.02137
KCTD1	1	9.334969	12.31843	6.368839	7.774453	18.46142	9.144377	16.95687	7.956565	11.38866	10.68992	10.85162	11.22728	1.034617
KCTD10	1	9.473584	11.44973	17.34883	20.33483	14.73644	9.94551	4.331069	5.992057	4.249085	5.346825	14.66868	5.972909	0.407188
KCTD11	1	1.075527	0.830232	2.111045	2.120098	1.03445	1.53183	2.270976	5.04909	2.146615	3.496559	1.43427	2.899014	2.021247
KCTD12	1	27.34343	22.04961	44.28659	29.26611	16.61601	23.58621	33.63608	53.82616	145.4385	35.88866	27.91235	58.47512	2.094955
KCTD13	1	23.83513	22.20256	20.03424	26.69828	60.72313	39.67582	52.47	24.11081	15.99948	45.37739	30.69867	35.5267	1.157272
KCTD14	1	0.233862	0.101577	0.333948	0.215493	0.244086	1.318018	1.739304	0.325447	0.046499	0.76256	0.225793	0.838366	3.712979
KCTD15	1	3.573221	3.031715	4.346303	5.836827	7.12296	4.005712	1.920047	1.891346	2.798827	9.490162	4.782205	4.021219	0.840871
KCTD16	0.001408	1.573597	2.505672	2.371305	2.177177	0.170809	0.082351	0.434696	0.040669	0	0.130792	1.759712	0.137702	0.078252
KCTD17	1	15.46091	16.0028	17.7298	27.80256	37.632	8.81408	9.796875	2.70874	2.787433	4.511806	22.92561	5.723787	0.249668
KCTD18	1	2.386331	1.800917	2.58077	1.924038	1.696762	0.570386	0.49977	0.637489	1.690333	0.944041	2.077764	0.868404	0.417951
KCTD19	1	0.012643	0.149915	0.19328	0.121158	0	0.860131	0.805959	0.669829	0	0.094574	0.095399	0.486099	5.095429
KCTD2	1	23.89345	21.93494	47.70891	36.36438	35.85442	13.96703	9.545348	34.41665	22.90992	37.56452	33.15122	23.68069	0.714323
KCTD20	1	11.88509	9.536507	11.08168	9.943427	9.90683	4.978975	6.15121	7.052465	5.585603	7.52151	10.47071	6.257953	0.597663
KCTD21	1	5.613091	4.82794	4.378133	4.754209	5.708975	4.927292	4.968211	4.191346	5.286522	3.227599	5.05647	4.520194	0.893943
KCTD3	1	12.48421	13.90479	12.02635	9.021414	8.631704	3.794373	7.2119	11.94144	9.242862	8.648487	11.21369	8.167812	0.728378
KCTD4	1	13.54701	10.38164	0	0	23.04638	6.013706	8.012208	1.925747	0.278462	0.029847	9.395005	3.251994	0.346141
KCTD5	1	1.45653	1.624991	2.383351	2.393127	2.233008	2.072583	1.701812	3.093338	2.206599	2.201792	2.018202	2.255225	1.117443
KCTD6	1	4.376296	3.866596	5.055918	4.43038	3.791964	2.692283	1.787496	4.276169	6.756612	4.18348	4.304231	3.939208	0.915194
KCTD7	1	5.319194	5.738099	9.555398	11.45503	7.938423	4.628389	4.662157	7.549397	5.429323	4.149013	8.001229	5.283656	0.660355
KCTD8	1	14.9968	14.21064	7.529291	7.217293	8.219464	7.73233	18.97743	23.2932	24.01798	18.51646	10.4347	18.50748	1.773648
KCTD9	1	2.622581	2.006727	2.75774	2.23127	1.457476	3.319076	2.926051	3.233906	6.261988	1.453202	2.215159	3.438844	1.552414
KDELC1	1	5.166628	4.919038	3.582785	2.879951	2.532906	3.355162	3.786492	7.163758	3.60677	3.15022	3.816261	4.21248	1.103824
KDELC2	1	4.123873	2.691689	3.935826	3.146778	2.593119	2.262738	2.995641	4.44158	4.113521	0.646266	3.298257	2.891949	0.876811
KDELR1	1	12.05322	8.444852	15.71367	23.23416	26.66741	23.6866	20.93428	27.17753	13.16156	15.17047	17.22266	20.02609	1.162775
KDELR2	1	15.77004	13.14885	17.05964	20.20235	19.16906	21.76187	31.09457	29.22082	24.16374	12.67004	17.06999	23.78221	1.393217
KDELR3	1	3.639202	1.100832	2.895297	1.75932	4.302939	6.665797	2.043753	2.754412	5.845579	4.818048	2.739518	4.425518	1.615437
KDF1	1	0	0.019557	0	0.020745	0.046994	0	0.036799	0	0.313339	0.086363	0.017459	0.0873	5.000264
KDM1A	1	13.66326	14.34852	13.05501	13.4152	16.81734	16.15231	17.4332	22.52711	14.44215	13.21201	14.25987	16.75336	1.174861
KDM1B	1	11.18431	11.25042	6.834615	8.773481	9.926381	3.651444	6.456936	6.209977	4.311333	2.964845	9.593842	4.718907	0.491868
KDM2A	1	10.82149	12.13713	18.78103	17.02205	11.82965	14.35537	16.54794	27.52316	15.95837	18.48581	14.11827	18.57413	1.315609
KDM2B	1	3.036823	2.797157	3.419099	3.298995	3.651442	6.98202	6.228482	6.549028	6.394908	5.670336	3.240703	6.364955	1.964066
KDM3A	1	7.012588	6.182155	9.148122	9.101085	5.957855	10.39369	11.01875	18.8609	16.52085	10.79887	7.480361	13.51861	1.807214
KDM3B	1	10.94295	9.10369	13.39782	11.901	7.994085	17.27247	13.74188	29.08967	20.55556	19.05883	10.66791	19.94368	1.869503
KDM4A	1	8.439135	7.824194	13.11205	13.06361	5.361933	6.195457	9.924698	31.7104	9.136373	10.06465	9.560184	13.40632	1.402307
KDM4B	1	7.933426	7.804658	17.35741	19.29698	8.304069	5.891224	6.48739	9.114707	8.747709	13.06956	12.13931	8.662119	0.713559
KDM4C	1	4.337706	3.592304	4.775622	3.758283	2.300472	3.87673	5.36209	9.715814	8.621607	11.48446	3.752877	7.812141	2.08164
KDM5A	1	7.017859	7.500272	8.194489	6.634456	0.950637	2.106031	2.559258	2.693652	5.492857	5.327677	6.059543	3.635895	0.600028
KDM5B	1	5.776061	5.787638	7.716703	8.205175	6.368679	5.588246	7.827954	8.832591	9.424796	8.384687	6.770851	8.011655	1.183257
KDM5C	1	12.36269	11.63734	23.73173	21.52425	14.98223	13.00199	19.57093	36.62046	19.73592	31.34524	16.84765	24.05491	1.42779
KDM6A	1	4.273116	4.586867	6.258305	5.035569	1.884108	6.243034	8.570487	18.38429	15.45027	8.010935	4.407593	11.3318	2.570973
KDM6B	1	2.082517	2.666726	5.712182	4.003267	1.226678	2.506888	3.383447	5.579762	6.220015	8.748055	3.138274	5.287633	1.684886
KDM7A	1	2.173581	5.029602	1.520286	0.890597	1.252925	1.982582	3.526955	4.571101	1.701407	1.310677	2.173398	2.618544	1.204816
KDM8	1	1.106701	0.531633	1.11831	1.068483	1.098193	0.994103	1.017893	1.067241	1.23818	1.963269	0.984664	1.256137	1.275701

KDR	1	7.592016	5.807123	7.063952	4.416269	3.015159	20.046	10.25235	6.834501	7.24578	1.782298	5.578904	9.232185	1.654838
KDSR	1	12.0245	12.8686	12.23305	12.22661	9.162271	5.134225	7.512822	8.97472	14.60279	6.603421	11.70301	8.565595	0.731914
KEAP1	1	10.54535	11.54181	18.45939	21.42489	22.93663	51.87426	24.42013	22.40448	11.91148	37.92298	16.98161	29.70666	1.749343
KEL	0.219461	0	0.016667	0	0	0	0.077239	0.360666	0.400511	1.030035	0.159474	0.003333	0.405585	121.6696
KERA	0.166938	0.131969	0.018629	0.036027	0	0	0.604309	0.210321	0.852668	5.372589	3.455188	0.037325	2.099015	56.23602
KHDC1L	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KHDC3L	1	0.011106	0.075255	0.048512	0.079826	0	0	0	0.114815	0.114832	0.092313	0.04294	0.064392	1.499588
KHDC4	1	6.469877	6.731925	9.318644	8.40566	12.34729	16.62808	13.25861	21.8068	19.37837	16.23636	8.654679	17.46164	2.017596
KHDRBS1	1	39.0471	37.61291	29.03609	24.99722	13.32858	36.91109	49.3966	76.51642	68.02449	81.66303	28.80438	62.50233	2.16989
KHDRBS2	1	1.430311	1.113218	0.590978	0.933859	1.171411	5.495952	2.49171	1.431999	1.965122	0.953203	1.047955	2.467597	2.354678
KHDRBS3	1	31.72686	33.9424	9.553804	13.4197	27.97281	68.74891	59.61801	7.871505	24.58716	12.60832	23.32311	34.68678	1.487228
KHK	1	4.837203	5.064591	10.50011	8.234226	12.03713	5.534381	5.742818	14.29825	9.871022	12.38712	8.13465	9.566716	1.176045
KHNYN	1	3.487145	2.917902	5.617075	5.741328	4.677959	10.05367	6.630448	30.56443	24.59378	12.32148	4.488282	16.83276	3.75038
KHSRP	1	14.90758	17.3872	33.91708	35.99158	13.78924	14.59939	16.73547	23.23823	23.81372	30.98247	23.19854	21.87386	0.942898
KIAA0040	1	1.420359	0.661512	1.41515	0.894187	0.73149	1.736223	0.385535	0.442108	0.830748	0.224047	1.02454	0.723732	0.706398
KIAA0100	1	8.516468	8.563389	11.6684	10.78835	3.097975	5.801864	8.727778	16.45038	14.80684	6.431262	8.526916	10.44362	1.224783
KIAA0141	1	6.015507	6.152243	10.40773	11.81025	16.01317	10.43919	6.585001	8.57426	5.573407	7.108068	10.07978	7.655986	0.759539
KIAA0232	1	19.68874	19.52735	19.23538	20.49583	12.32532	7.353929	16.30559	14.51995	14.69211	11.824	18.25453	12.93912	0.708817
KIAA0319	1	7.787884	7.775806	9.415494	10.59643	7.001085	2.51675	16.38656	7.303747	21.3514	5.036408	8.515339	10.51897	1.235297
KIAA0319L	1	7.790617	6.674337	9.614933	9.918305	8.661026	7.491093	14.95288	17.6474	14.96568	10.65775	8.531844	13.14296	1.54046
KIAA0355	1	5.797799	5.506949	8.584619	7.390514	6.14857	14.11344	7.219125	8.181364	8.85805	7.026871	6.68569	9.07977	1.35809
KIAA0391	1	0.92052	0.97518	0.908716	0.819332	0.819773	2.237174	2.918947	3.483844	1.620628	0.928549	0.888704	2.237828	2.51808
KIAA0408	1	31.65282	35.59368	26.11633	31.89862	26.93994	24.71777	33.0795	35.01377	30.23616	21.07844	30.44028	28.82513	0.94694
KIAA0513	1	19.76017	20.85486	35.95407	25.3579	20.8593	8.831744	8.933786	10.90027	17.00468	15.30676	24.55726	12.19545	0.496613
KIAA0556	1	2.387983	2.412736	3.521169	4.449393	2.162462	1.898118	2.790327	2.038957	1.697097	0.972602	2.986749	1.87942	0.629253
KIAA0586	1	5.55275	4.989354	2.406883	2.601274	2.353598	2.405972	3.159417	5.6375	2.932938	1.620626	3.580772	3.151291	0.880059
KIAA0753	1	5.288033	6.690559	2.660844	4.543937	4.16485	3.901769	3.972295	3.938317	5.038771	4.256186	4.669645	4.221468	0.904023
KIAA0754	1	0.007753	0	0	0	0	0	0	0.050091	0.040079	0	0.001551	0.018034	11.63075
KIAA0825	1	1.459081	1.41716	1.19845	1.299403	1.085101	3.005363	10.35902	5.277077	2.045165	1.350631	1.291839	4.40745	3.411765
KIAA0895	1	2.043947	2.242092	0.30298	0.214192	1.497498	2.500724	2.921726	2.637248	0.749056	0.374108	1.260142	1.836572	1.457433
KIAA0895L	1	1.228453	1.052715	1.83068	1.488869	1.294228	2.874095	2.978928	4.612895	2.614977	2.126185	1.378989	3.041416	2.20554
KIAA0930	1	15.33712	16.66242	14.77187	18.74277	18.92831	7.419376	8.506421	3.390873	3.957705	4.44777	16.8885	5.544429	0.328296
KIAA1024	1	0.824446	0.577252	0.828257	0.951387	0.417625	0.57528	1.366487	1.931865	0.355174	0.566475	0.719793	0.959056	1.332405
KIAA1024L	1	0.052534	0.044495	0	0	0.10692	0	0.237218	0.271542	0	0.010916	0.04079	0.103935	2.548069
KIAA1109	1	7.835174	8.934302	15.25969	11.69793	3.578643	7.08257	12.22652	13.98475	12.63284	12.44354	9.461146	11.67404	1.233893
KIAA1143	1	11.86778	12.44774	5.721136	6.50663	12.99111	8.978936	7.878535	6.12134	10.60033	8.125014	9.906879	8.340831	0.841923
KIAA1147	1	12.62932	13.94347	21.16494	23.84764	18.47693	18.45977	9.036943	14.76591	14.24579	10.79248	18.01246	13.46018	0.74727
KIAA1191	1	33.63759	30.27262	30.02446	36.13592	64.74816	36.19636	29.49207	21.16547	28.93713	32.31094	38.96375	29.62039	0.760204
KIAA1210	1	0.020517	0.008689	0.011202	0.015361	0.027838	0	0.00545	0	0.225391	0.507332	0.016721	0.147634	8.829036
KIAA1211_1	1	39.14909	23.01869	21.15633	22.53304	3.945168	8.074089	11.41141	3.450577	1.687194	2.712646	21.96046	5.467184	0.248956
KIAA1211_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KIAA1211L	1	15.8812	12.95081	4.562172	12.68005	12.58826	6.347135	7.029996	0.168975	0.0338	0.201069	11.7325	2.756195	0.23492
KIAA1217	1	7.562593	6.621647	2.351211	2.801674	6.025038	6.02604	7.138227	0.596797	0.290376	0.194526	5.072433	2.849193	0.561701
KIAA1257	1	0.004233	0.01912	0.194129	0.11662	0	0.996821	0.24285	0.021879	0.765869	0.182944	0.06682	0.442073	6.615828
KIAA1324	1	2.856927	2.94798	1.51121	2.440431	2.546645	1.227804	5.370346	0.882651	0.353112	0.444309	2.460639	1.655644	0.672851
KIAA1324L	1	9.26785	13.40973	13.39489	12.26315	10.799	13.66022	18.275	24.44941	15.56098	19.58858	11.82692	18.30684	1.547895

KIAA1328	1	0.990318	1.217636	1.900462	1.389861	0.747383	0.613332	0.877861	1.241849	0.802775	0.482182	1.249132	0.8036	0.643327
KIAA1468	1	14.81703	17.08148	14.07009	14.17936	13.21674	8.950431	18.85437	16.58372	16.61937	13.00214	14.67294	14.80201	1.008796
KIAA1522	1	3.415575	3.298993	3.942173	5.32162	6.516683	2.436718	3.164754	1.623707	0.989204	0.461224	4.499009	1.735121	0.385667
KIAA1549	1	5.807933	5.53008	7.31627	6.627611	2.008732	2.83089	3.38788	4.2431	3.336101	2.571437	5.458125	3.273882	0.599818
KIAA1549L	1	27.16577	25.39411	15.99443	17.81768	26.14719	8.419794	21.92594	13.06598	6.279169	9.900264	22.50384	11.91823	0.529609
KIAA1551	1	2.688597	3.138066	3.84721	3.040652	1.053932	6.581469	3.055519	4.170311	3.131176	0.707102	2.753691	3.529116	1.281594
KIAA1614	1	0.644208	0.392623	0.707185	1.135083	0.619721	0.481622	1.383395	3.294602	1.603489	6.504657	0.699764	2.653553	3.792069
KIAA1671	1	5.260439	5.104696	5.005166	6.938257	3.623293	2.871037	1.484293	0.778815	1.022592	0.703884	5.18637	1.372124	0.264563
KIAA1755	1	1.855216	0.1722	0.305266	0.279062	0.505743	0.620664	0.522032	0.492606	0.131381	0.119698	0.623498	0.377276	0.605096
KIAA1841	1	8.570408	10.95883	6.55961	6.407191	6.691751	7.053958	16.78786	7.138254	11.94246	5.090021	7.837558	9.60251	1.225192
KIAA1958	1	0.362812	0.429007	1.815921	0.861041	0.10888	0.187638	0.371874	0.882511	1.147431	0.411538	0.715532	0.600198	0.838814
KIAA2012	1	0.009098	0.037672	0.834508	0.559441	0.016459	0	0.045109	0	3.307939	0.957826	0.291435	0.862175	2.958374
KIAA2013	1	4.699439	4.468638	9.305228	12.88603	5.174358	9.360619	8.211167	7.195678	7.63289	19.3688	7.306739	10.35383	1.417025
KIAA2026	1	17.44963	18.31058	10.05769	8.995383	5.019345	9.600812	8.80734	9.677706	11.98181	6.714223	11.96653	9.356377	0.781879
KIDINS220	1	87.70572	91.54363	69.3884	72.60075	53.86168	37.09927	84.70168	83.53212	49.19119	45.25485	75.02004	59.95582	0.799197
KIF11	1	1.365434	1.241388	1.561003	0.259814	0.107013	0.25797	0.534207	0.229314	0.25483	0.016388	0.90693	0.258542	0.285074
KIF12	0.00573	0.34708	0.226465	0.421116	0.166306	0.481396	0	0	0	0	0	0.328473	0	0
KIF13A	1	11.65064	8.231286	13.57951	13.66042	7.695912	12.33853	9.136129	20.61106	10.26672	14.03932	10.96355	13.27835	1.211136
KIF13B	1	1.747137	2.305696	12.13812	19.32793	3.215581	2.466412	1.995779	1.940133	2.375486	2.316744	7.746893	2.218911	0.286426
KIF14	1	0.030194	0.115935	0.039566	0.021702	0	0	0.019248	0.023411	0	0.185714	0.041479	0.045675	1.101139
KIF15	0.001045	0.090343	0.149113	0.037943	0.041623	0.037717	1.618409	0.420866	0.915983	2.245383	2.23537	0.071348	1.487202	20.84436
KIF16B	1	1.340556	1.253697	2.098582	1.461569	0.909457	2.27458	2.509229	2.280405	4.710364	1.819322	1.412772	2.71878	1.924429
KIF17	0.000993	1.67818	1.954588	1.171906	2.772801	1.955805	0.247781	0.48069	0	0	0.069961	1.906656	0.159686	0.083752
KIF18A	1	0.055515	0.075233	0.157617	0.119703	0.06026	0.581061	0.271325	0.473473	1.11928	0.452198	0.093666	0.579467	6.186554
KIF18B	1	0.061496	0.055558	0.053722	0.073666	0.033376	0.772389	1.555043	0	0	0	0.055564	0.465486	8.377548
KIF19	1	0.005032	0.011366	0.252782	0.247159	0.027313	0.237025	0.074855	2.354073	0.962579	1.104248	0.108731	0.946556	8.70552
KIF1A	1	91.82755	101.5349	170.2639	217.108	31.41205	84.87265	57.96415	37.94725	100.5962	157.8322	122.4293	87.84249	0.717496
KIF1B	1	47.96214	54.38435	71.92362	75.71524	32.36153	37.33358	38.53569	47.93603	47.09996	34.9567	56.46938	41.17239	0.72911
KIF1BP	1	53.76293	60.62026	28.253	31.7408	38.49231	20.2706	40.87865	25.98009	40.2445	34.23078	42.57386	32.32092	0.759173
KIF1C	0.061704	24.92767	28.66534	80.97106	94.60392	53.47319	14.57982	9.556597	9.234471	12.80212	18.32627	56.52824	12.89986	0.228202
KIF20A	1	0.254435	0.12028	0.064614	0.113409	0	0.247729	0.100588	0	0.061179	0.167215	0.110548	0.115342	1.043372
KIF20B	1	0.757814	0.768402	0.267623	0.451959	0.376288	0.60754	0.753765	4.367097	1.367	0.187621	0.524417	1.456605	2.777569
KIF21A	1	64.73602	74.90769	43.78002	46.58051	23.18827	24.22834	68.1516	44.93656	74.13652	45.8124	50.6385	51.45308	1.016086
KIF21B	1	36.8914	33.95653	42.46179	71.76747	19.2569	19.92524	12.05044	1.984809	4.575819	3.490938	40.86682	8.405449	0.205679
KIF22	1	0.530686	0.558676	0.825049	0.732677	3.002256	1.506307	0.382265	0.86011	1.069482	0.642942	1.129869	0.892221	0.789668
KIF23	1	0.791793	0.675457	0.877063	1.026956	1.051146	0.819799	0.133149	0.066249	0.220861	0.30775	0.884483	0.309562	0.349992
KIF24	1	0.5507	0.538482	0.682023	0.711972	0.291594	1.247692	1.255835	0.74634	0.433982	0.2791	0.554954	0.79259	1.428208
KIF25	0.075297	0.147365	0.036982	0.03576	0.205949	0.06665	0	0	0	0	0	0.098541	0	0
KIF26A	1	1.020761	1.291333	1.096378	2.04462	2.187247	1.065476	0.551156	0.072079	0.547881	2.216098	1.528068	0.890538	0.582787
KIF26B	1	2.476917	2.258856	2.754249	2.23642	1.733508	3.458109	1.780714	1.924341	2.187392	2.31336	2.29199	2.332783	1.017798
KIF27	1	1.69769	2.03724	1.298632	1.665462	0.584641	1.939272	1.074317	1.180416	2.390876	0.988461	1.456733	1.514668	1.039771
KIF28	1	0.096721	0.01285	0.149106	0.054523	0.123514	0	0.084629	0.205857	0	0.009458	0.087343	0.059989	0.686817
KIF2A	1	38.6255	53.62404	30.4941	29.44699	10.40649	41.44781	54.11666	20.60733	36.64572	23.38906	32.51943	35.24132	1.0837
KIF2B	1	0	0.018954	0	0	0	0	0	0	0	0	0.003791	0	0
KIF2C	1	0.130938	0.157727	0.019064	0.06274	0	0.15989	0	0.02256	0.270761	1.233422	0.074094	0.337327	4.552693
KIF3A	1	52.40032	53.17378	41.70064	37.31703	28.38544	17.56812	41.05897	44.32498	55.45211	33.92515	42.59544	38.46586	0.903051

KIF3B	1	22.08653	21.54044	12.6356	14.9183	13.79257	9.002029	14.67801	16.05825	18.18704	16.28139	16.99469	14.84134	0.873293
KIF3C	1	50.20443	49.6847	48.28481	55.22497	33.16126	12.51388	31.35502	19.78659	20.53589	27.1222	47.31204	22.26272	0.470551
KIF4A	1	0.107886	0.102343	0.01885	0.051695	0.140529	0.203258	0.174233	0.200755	0.312331	0.050216	0.084261	0.188159	2.233058
KIF5A	1	214.9058	238.2705	126.8199	152.8135	217.5129	866.0834	263.3789	106.3962	103.4569	107.5171	190.0645	289.3665	1.522465
KIF5B	1	43.39053	52.86338	53.45816	56.65266	48.64059	163.4401	47.66155	49.38703	79.47691	38.19536	51.00106	75.63219	1.482953
KIF5C	1	183.5678	208.6372	128.6501	123.2712	102.4821	668.8927	198.0214	85.2147	117.4859	109.9727	149.3217	235.9175	1.579928
KIF6	1	0.583004	0.799268	0.745051	1.006395	0.310889	0.466318	0.584263	0.276346	0.223741	0.08041	0.688921	0.326215	0.473516
KIF7	1	1.974821	1.162495	4.009991	2.798523	0.554723	0.936062	0.426621	0.386795	1.264345	0.655349	2.100111	0.733834	0.349427
KIF9	1	1.522894	1.684715	1.570853	1.654072	3.506112	1.603255	1.603885	0.642585	1.377168	1.025908	1.987729	1.25056	0.62914
KIFAP3	1	91.23816	89.62856	50.67899	60.87311	96.52367	37.16794	108.7053	68.52885	69.55365	48.95855	77.7885	66.58286	0.855947
KIFC1	1	0.284795	0.299592	0.443055	0.476682	0.285845	0.224585	0.099481	0.100827	0.12101	0.142676	0.357994	0.137716	0.384687
KIFC2	1	22.18857	19.49069	38.3794	38.72661	68.72662	19.7381	10.76801	10.64532	10.09101	22.84218	37.50238	14.81692	0.395093
KIFC3	1	5.056946	5.347125	10.20431	10.73339	8.113722	8.326806	6.230903	4.149406	5.740433	8.813862	7.891098	6.652282	0.843011
KIN	1	2.185623	1.856638	1.943119	1.227979	0.446142	1.214663	1.068609	1.374663	0.749926	0.996728	1.5319	1.080918	0.705606
KIR2DL5A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KIR2DS1	1	0	0	0.040065	0	0.049783	0	0	0	0.023709	0	0.01797	0.004742	0.263885
KIR3DL1	1	0	0	0.030405	0	0	0	0	0	0	0	0.006081	0	0
KIR3DL2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KIR3DS1	1	0.003814	0	0.00833	0.009138	0	0	0	0	0	0	0.004256	0	0
KIRREL1	1	1.540289	0.958476	2.027863	1.167309	1.358283	2.885197	2.548549	1.768545	1.36254	0.980778	1.410444	1.909122	1.353561
KIRREL2	0.017657	0.45976	0.156474	0.357624	0.316866	0.205091	0.758078	3.640205	4.704063	3.744263	3.23508	0.299163	3.216338	10.75112
KIRREL3	1	11.01517	9.705887	16.51776	15.23151	6.76042	3.524315	19.25371	13.75328	11.49114	25.80276	11.84615	14.76504	1.2464
KISS1	1	0	0	0.448657	0	0	0	0	0	0.335373	0.017974	0.089731	0.070669	0.787564
KISS1R	1	0.303632	0.328606	0.22104	0.409183	0.429144	0	0	0	0.032701	0.042061	0.338321	0.014953	0.044196
KIT	1	16.24765	13.65044	17.26517	7.268088	12.25731	5.180994	13.8674	40.42021	27.33959	42.21973	13.33773	25.80559	1.934781
KITLG	1	6.379204	6.161378	12.09878	11.28646	0.39861	8.675568	14.49189	9.490693	11.60745	1.744139	7.264886	9.201947	1.266633
KIZ	1	4.864635	6.368274	3.85853	3.971853	4.312771	12.62357	8.965681	12.23878	3.711788	7.577041	4.675213	9.023371	1.930045
KL	1	0.586517	0.404386	0.377537	0.451133	0	0.129239	0.223025	0.207428	0.09575	0.010263	0.363915	0.133141	0.365858
KLB	1	0	0	0.18444	0.256803	0	0	0	0.016789	1.292971	0.253778	0.088249	0.312708	3.543482
KLC1	1	120.6532	116.8615	93.50591	98.44884	161.4358	169.3253	184.7049	178.5338	127.6113	190.5585	118.1811	170.1467	1.439713
KLC2	1	15.99596	19.1164	28.58183	31.91796	15.51814	30.62701	43.96245	49.85723	28.48667	96.86465	22.22606	49.9596	2.247794
KLC3	1	0.024249	0.054769	0.079438	0.123453	0	1.744919	0.231876	0.109673	0.094019	0.12093	0.056382	0.460283	8.163666
KLC4	1	6.48098	6.652719	12.61977	9.743522	16.97616	12.8456	8.718603	24.83941	10.26783	12.12867	10.49463	13.76002	1.311149
KLF1	1	0.057539	0	0.150797	0.082711	0.062457	0	0	0	0.059492	0.07652	0.070701	0.027202	0.384751
KLF10	1	10.20784	10.64829	7.548311	5.990596	8.942477	14.01206	34.2463	15.31995	8.883868	18.50951	8.667503	18.19434	2.099144
KLF11	1	2.454736	2.465752	3.489383	3.069482	1.624433	0.676128	0.741248	1.124134	2.738389	3.464922	2.620757	1.748964	0.667351
KLF12	1	1.268479	2.392137	4.868212	2.345641	0.334198	0.708952	1.543998	2.164323	3.94728	3.93066	2.241734	2.459043	1.096938
KLF13	1	2.927096	3.466399	8.258629	9.040697	0.085872	1.656049	1.61382	1.553874	3.926148	5.312939	4.755739	2.812566	0.591405
KLF14	1	0.045654	0	0	0.041016	0.030972	0	0	0	0	0	0.023529	0	0
KLF15	1	1.284292	1.663646	8.480526	14.21704	8.077338	1.700048	1.958499	2.108655	3.202498	5.174045	6.744569	2.828749	0.419411
KLF16	1	6.971242	8.17746	5.808184	9.139363	18.95339	15.0203	6.40661	1.956496	3.301004	6.686111	9.809927	6.674104	0.680342
KLF17	1	0.069762	0.011255	0	0.005969	0	0	0	0	0	0	0.017397	0	0
KLF2	1	3.51864	1.052947	6.157354	6.834347	4.608549	10.16557	1.76899	0.688484	3.44292	4.668252	4.434368	4.146843	0.93516
KLF3	1	7.802587	6.32279	7.451553	8.218763	3.690737	10.0141	6.518735	3.863861	6.437797	1.593262	6.697286	5.68555	0.848933
KLF4	1	4.290571	0.59479	2.328582	2.154343	1.220096	15.22701	2.989037	1.942189	3.685715	3.854464	2.117676	5.539683	2.615925
KLF5	1	6.86348	2.152375	1.017233	1.128723	2.164711	1.344855	2.662078	0.290565	0.52586	0.142395	2.665304	0.993151	0.372622

KLF6	1	7.344775	5.695832	3.793711	4.181255	6.754683	10.90884	6.869981	8.228769	8.029235	1.814094	5.554051	7.170184	1.290983
KLF7	1	5.7091	5.157856	6.138746	6.213537	2.721676	8.694109	8.202457	12.72107	10.19695	5.784031	5.188183	9.119722	1.757787
KLF8	1	0.284184	0.344187	0.314821	0.268885	0.257061	1.325575	0.90144	0.86219	1.000712	0.534028	0.293828	0.924789	3.147386
KLF9	1	22.89317	22.07114	38.79458	34.48263	5.177045	11.61097	26.39541	23.55687	19.87101	38.291	24.68371	23.94506	0.970075
KLHDC1	1	5.300953	7.252201	5.484846	4.522719	2.881583	4.344277	6.330549	13.27529	9.563084	5.680837	5.08846	7.838807	1.540507
KLHDC10	1	11.64462	13.19806	12.71281	11.97483	12.24855	10.51836	9.883102	14.27953	13.05279	10.48865	12.35578	11.64449	0.942433
KLHDC2	1	20.23153	23.18523	24.64388	22.84239	48.29067	50.59205	50.42674	50.74179	38.24078	28.33002	27.83874	43.66628	1.568544
KLHDC3	1	101.9969	109.9753	69.24869	76.95983	345.6046	249.0438	159.723	143.876	84.92011	121.0368	140.7571	151.7199	1.077885
KLHDC4	1	2.804937	3.167631	5.005015	4.918285	3.736892	7.578911	4.016757	3.243754	5.674112	4.907703	3.926552	5.084247	1.294838
KLHDC7A	4.87E-05	0.230368	0.125669	0.618235	0.601025	0.095361	0	0	0.005046	0	0.006491	0.334132	0.002307	0.006905
KLHDC7B	1	0	0	0	0	0	0	0.037747	0.057387	1.010162	0.302678	0	0.281595	#DIV/0!
KLHDC8A	1	1.191614	0.81912	4.997438	2.130798	1.733986	1.446054	1.302758	2.923445	1.696291	5.095693	2.174591	2.492848	1.146353
KLHDC8B	1	2.322964	0.842059	3.51527	3.954991	5.019662	4.014757	0.87602	2.788695	3.335802	4.886519	3.130989	3.180359	1.015768
KLHDC9	1	1.354007	1.331207	1.843838	1.736448	2.031689	11.17082	17.33088	6.834035	0.988197	3.204097	1.659438	7.905606	4.764026
KLHL1	1	0.033344	0.131794	1.893359	0.758904	0	1.352366	2.657019	0.301613	0.086188	0.027714	0.56348	0.88498	1.570562
KLHL10	1	0.0154	0.356533	0.016817	0	0.083584	0	0.196351	0.119405	0.079615	0.153604	0.094467	0.109795	1.162261
KLHL11	1	10.95224	14.55422	15.1901	12.15826	2.199166	2.717599	10.83396	9.618152	11.02283	10.17563	11.0108	8.873633	0.805903
KLHL12	1	7.362458	5.708935	8.280368	6.742209	4.586065	19.07281	17.01885	14.96402	17.5492	21.69283	6.536007	18.05954	2.763085
KLHL13	1	11.59774	13.34792	8.342874	12.01674	6.646056	13.95469	18.96899	9.78101	10.75724	5.037402	10.39026	11.69987	1.126041
KLHL14	1	0.345848	0.177981	0.181659	0.157325	0.04752	2.863826	0.474436	0.29417	0.88264	0.138271	0.182067	0.930668	5.111691
KLHL15	1	3.477682	4.237525	3.32	3.057363	2.9717	2.215474	4.233951	5.832169	7.867792	6.633106	3.412854	5.356498	1.569507
KLHL17	1	3.97804	4.000749	7.372327	6.044105	8.383595	2.184838	1.964371	4.130904	6.073928	7.118458	5.955763	4.2945	0.721066
KLHL18	1	3.363257	3.419244	9.155042	6.023868	5.375143	8.462032	10.41089	9.548825	10.67869	12.83478	5.467311	10.38704	1.899845
KLHL2	1	40.3816	30.66749	15.88295	25.15361	20.73269	27.62239	35.68328	41.81099	21.61717	17.21762	26.56367	28.79029	1.083822
KLHL20	1	9.367277	11.09123	13.13263	15.22216	9.353246	7.273298	12.42339	13.48148	12.04648	11.6286	11.63331	11.37065	0.977422
KLHL21	1	2.263551	2.886319	5.365865	7.555327	8.253656	0.460035	0.957317	1.22112	0.852068	2.699701	5.264944	1.238048	0.235149
KLHL22	1	3.186439	2.800478	5.144074	6.973906	2.520519	2.255985	3.815193	5.191488	7.857289	16.22322	4.125083	7.068634	1.713574
KLHL23	1	8.238396	10.83597	3.992084	4.704357	6.724952	18.46221	40.84412	14.09299	6.829147	5.166465	6.899152	17.07899	2.47552
KLHL24	1	13.70313	19.95479	19.31814	18.34513	12.52087	9.063529	13.96349	17.49756	19.91111	10.26587	16.76841	14.14031	0.843271
KLHL25	1	4.095614	2.582308	4.1505	7.81569	12.12536	1.045978	4.513453	0.131326	0.507868	1.154422	6.153895	1.47061	0.238972
KLHL26	1	1.44427	1.618896	3.646711	4.174065	4.487496	1.657777	1.825428	1.526356	1.693114	10.71908	3.074288	3.48435	1.133385
KLHL28	1	3.65225	3.358847	4.139499	3.503563	0.429746	3.263267	6.677694	7.750751	9.491574	5.808006	3.016781	6.598258	2.187185
KLHL29	1	1.976935	1.467987	1.796514	2.972363	2.287368	5.846169	5.948859	2.012215	1.120004	2.031444	2.100233	3.391738	1.614934
KLHL3	1	2.878211	2.933947	4.224597	2.956091	2.801382	1.569291	5.68255	4.325933	1.918681	3.542444	3.158846	3.40778	1.078806
KLHL30	1	0.041537	0.033506	0.453581	0.618415	0.193233	0	0	0.015336	0.015338	0.986417	0.268054	0.203418	0.758869
KLHL31	1	0.018476	0	0.121053	0.044265	0	0	0.01963	0	0	0	0.036759	0.003926	0.106806
KLHL32	1	2.159907	3.463521	1.709306	1.860559	1.983944	3.857797	11.90613	3.653491	3.82653	2.344911	2.235447	5.117772	2.289373
KLHL33	1	0.109191	0.061655	0.851676	0.060728	0.148154	0	0.414332	1.602484	2.540155	1.549336	0.246281	1.221261	4.958812
KLHL34	1	0.296512	0.221242	0.289094	0.348848	0.114948	0.110839	0.022503	0	0.136863	0.211244	0.254129	0.09629	0.378901
KLHL35	1	0.052382	0.045504	0.1672	0.125496	0.109344	0.084348	0.27399	1.64536	0.437438	1.801803	0.099985	0.848588	8.487157
KLHL36	1	3.719608	3.374636	4.207759	5.426599	3.747219	1.028281	0.794457	1.100254	1.467218	2.572187	4.095164	1.392479	0.34003
KLHL38	1	0.182283	0.167256	0.149287	0.088707	0.15458	0	0	0.014722	0	0	0.148423	0.002944	0.019838
KLHL4	0.002015	0.117957	0.318546	0.078404	0.012287	0.083504	3.838058	4.827808	5.778978	4.61325	1.645406	0.12214	4.1407	33.90135
KLHL40	1	0.091169	0.01144	0.044247	0.072807	0.082468	1.908476	0.990177	0.628325	0.209472	0.943002	0.060426	0.93589	15.48815
KLHL41	1	0.30163	0.400744	0.193749	0.127525	0.240742	0.185709	0.075406	0.320989	1.008969	0.766861	0.252878	0.471587	1.864879
KLHL42	1	7.270932	8.444704	6.565891	5.804274	2.483666	3.306863	3.666903	3.632303	3.984396	4.889326	6.113893	3.895958	0.63723

KLHL5	1	10.27693	6.770895	7.901849	9.241106	7.541322	6.63428	7.669166	3.905902	12.26748	5.894545	8.34642	7.274275	0.871544
KLHL6	1	0.973221	1.062306	1.208465	0.849992	0.494636	0.698396	0.297411	0.168243	0.353362	0.081161	0.917724	0.319715	0.348378
KLHL7	1	15.32593	16.13389	10.03611	10.99225	5.51045	10.37511	18.40512	17.58465	15.94541	9.318833	11.59973	14.32582	1.235014
KLHL8	1	1.408528	1.614477	2.506997	2.836775	0.805337	1.001234	2.711353	2.40997	2.974935	1.865643	1.834423	2.192627	1.195268
KLHL9	1	17.86854	16.21695	12.0037	12.14616	3.844526	11.72296	23.39025	22.58211	24.42597	12.44118	12.41598	18.91249	1.523238
KLK1	1	0.021637	0	1.937425	0.777563	0.117431	0.452933	0.091955	0	0.335566	0.431614	0.570811	0.262414	0.45972
KLK10	1	0.873529	0	0.196832	0.107961	0.037627	0	0.014732	0	0.501759	0.27659	0.24319	0.158616	0.652232
KLK11	1	0.026687	0.030138	0	0.095904	0.03621	0	0.085062	0.327611	0.103471	5.234772	0.037788	1.150183	30.43807
KLK12	1	0.144173	0.130252	0.167929	0.264812	1.434536	0	0.040848	0.074521	0	2.65227	0.42834	0.553528	1.292262
KLK13	1	0	0.022082	0	0	0.026531	0	0	0	0	0	0.009722	0	0
KLK14	1	0.310316	0.624701	0.471456	0.905072	1.281451	0.141216	0.02867	0	0	0.089713	0.718599	0.05192	0.072251
KLK15	1	0	0	0.061633	0.016903	0	0	0	0	0	0.046912	0.015707	0.009382	0.597337
KLK4	1	0.114918	0.166857	1.290736	0.511307	0.445499	2.835188	0.383735	0	0	0.02729	0.505863	0.649243	1.283435
KLK5	1	2.818527	4.979314	2.833992	4.245442	12.15439	7.667223	2.727768	4.904297	19.69218	13.08182	5.406333	9.614657	1.778406
KLK6	1	0.377218	2.865781	22.54296	14.06265	5.924736	28.71426	31.28548	14.77119	17.13707	14.99248	9.154669	21.3801	2.335431
KLK7	1	0	0.02845	1.595553	0.030178	0.068364	0.13184	0.053532	0.032554	0.390706	0	0.344509	0.121726	0.353333
KLK8	1	0	0	0.088685	0	0	0	0	0	0	0	0.017737	0	0
KLK9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KLKB1	1	0	0	0	0	0	0	0	0	0.256626	0	0	0.051325	#DIV/0!
KLRA1	1	0.024598	0.111116	0.053722	0.117865	0.100128	0	0	0	2.543297	1.083605	0.081486	0.72538	8.901904
KLRB1	1	0.029811	0	0	0	0	0	0.063347	0	0.462335	0	0.005962	0.105136	17.63386
KLRC1	1	0	0	0	0	0	0	0.22452	0	0	0	0	0.044904	#DIV/0!
KLRD1	1	0.060505	0	0.017619	0.004832	0	0	0.008571	0	0	0.020116	0.016591	0.005737	0.345814
KLRF1	1	0.063826	0	0	0	0	0	0	0	0	0	0.012765	0	0
KLRF2	1	0	1.060468	0	0.452872	0	0	0	0	0	0	0.302668	0	0
KLRG1	1	0.016761	0	0	0	0	0	0	0	0.649869	1.504583	0.003352	0.43089	128.5383
KLRG2	1	0.030498	0.048219	0.346357	0.24843	0.165525	0.191529	0.051846	0.031528	0	0.040559	0.167806	0.063093	0.375985
KLRJ1	0.066156	0	0	0	0	0	1.529438	0.32685	0.596291	0	0.434678	0	0.577451	#DIV/0!
KLRK1	1	0.018641	0	0	0.02233	0	0	0	0	0.072276	0.007747	0.008194	0.016005	1.953148
KMO	1	0.012789	0.144429	0.083793	0	0.034706	0	0	0	0.198346	0	0.055143	0.039669	0.719384
KMT2A	1	4.219123	4.813326	13.28686	8.268185	3.109956	4.467029	6.71082	16.89518	12.92155	13.17922	6.73949	10.83476	1.607653
KMT2B	1	2.337696	2.126121	5.802875	5.983165	2.033394	4.391106	3.783273	8.107667	5.729604	9.166868	3.65665	6.235704	1.705305
KMT2C	1	5.944608	6.282005	15.75575	11.11598	2.572974	5.610957	5.535971	12.81379	11.91362	6.176886	8.334262	8.410245	1.009117
KMT2D	1	5.203023	5.661987	14.39218	11.46895	3.835978	5.098546	5.282974	8.722324	7.497728	7.194646	8.112423	6.759244	0.833197
KMT2E	1	18.42826	18.21087	17.86184	15.84944	7.469459	14.96951	14.66161	31.94389	40.25366	25.13093	15.56397	25.39192	1.631455
KMT5A	1	6.098615	5.936687	8.739222	12.3638	4.606799	7.279099	9.109367	8.166497	7.33801	13.14967	7.549025	9.008528	1.193337
KMT5B	1	8.422983	7.549768	8.061798	6.92815	6.168323	4.731221	6.032669	11.97371	8.400416	5.667863	7.426205	7.361175	0.991243
KMT5C	1	0.994762	0.97606	1.8876	2.012077	1.371855	0.853428	0.485139	0.856968	0.39342	0.831331	1.448471	0.684057	0.472262
KNCN	1	0.0085	0.009599	0.064973	0.025455	0.046133	0	0	0	0.131827	0.04239	0.030932	0.034843	1.126443
KNDC1	1	4.910321	5.597859	11.29246	11.55401	1.873828	1.032481	2.2883	4.206542	3.697196	3.826215	7.045696	3.010147	0.427232
KNG1	1	0	0	0.27297	0.123684	0	0	0	0.070223	4.410644	0.144537	0.079331	0.925081	11.66105
KNL1	1	0.206958	0.203028	0.109573	0.080134	0.07942	0.164103	0.048864	0.167485	0.10807	0.034751	0.135822	0.104654	0.770524
KNOP1	1	2.059839	1.730957	1.144498	1.61474	1.701578	2.251078	1.898869	2.794856	2.395939	1.394833	1.650322	2.147115	1.301028
KNSTRN	1	2.800373	3.834046	2.762783	3.043703	3.961021	0.396088	1.332578	2.514928	4.303948	1.312071	3.280385	1.971923	0.601125
KNTC1	1	0.269356	0.347279	0.53434	0.290394	0.268013	0.117469	0.085855	17.27579	0.847089	0.358208	0.341877	3.736882	10.9305
KPNA1	1	22.78099	27.75303	20.96176	24.13619	15.8348	19.07138	31.06177	24.27864	32.94479	19.31381	22.29335	25.33408	1.136396

KPNA2	1	11.77752	11.34479	9.047496	10.20009	10.15149	9.062586	21.42816	11.9429	9.199596	9.733415	10.50428	12.27333	1.168413
KPNA3	1	20.57882	22.53036	10.6634	11.15793	15.09556	19.11315	41.59314	27.19702	30.63889	20.95743	16.00521	27.89993	1.743178
KPNA4	1	27.1879	26.61327	18.36061	16.67918	4.62136	36.52793	37.86968	33.31959	28.70551	18.83971	18.69247	31.05249	1.66123
KPNA5	1	3.000315	4.098965	2.392208	2.559035	1.37544	2.86617	6.5996	9.239913	10.19968	3.664303	2.685192	6.513932	2.425872
KPNA6	1	18.90357	16.74579	16.84307	14.25647	3.258154	6.971324	20.11251	18.52738	21.29373	16.7828	14.00141	16.73755	1.195419
KPNA7	1	0.020821	0.023514	0	0.012471	0.226009	0.21793	1.305209	1.264574	0.107639	0.08653	0.056563	0.596376	10.54356
KPNB1	1	45.8848	36.60827	26.42774	25.43027	8.037092	24.35243	47.99347	54.19508	38.08177	27.48266	28.47763	38.42108	1.349167
KPRP	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KPTN	1	5.141197	6.281474	6.727224	7.459348	7.817661	20.23716	15.42184	12.97213	9.737676	19.2662	6.685381	15.527	2.322531
KRAS	1	41.18743	41.39805	16.38534	18.39261	20.67203	29.65761	37.77286	21.37409	36.24202	20.44794	27.60709	29.0989	1.054037
KRBA1	1	2.090253	1.4565	5.376337	2.811012	3.251432	0.219053	0.122299	0.473279	5.071582	4.405342	2.997107	2.058311	0.686766
KRBA2	1	1.67897	1.402466	1.313181	1.044398	0.90998	0.314672	0.388224	0.424357	1.111859	0.369059	1.269799	0.521634	0.410801
KRCC1	1	9.01763	8.212311	8.486876	10.12965	13.49707	7.207371	15.75087	18.13662	15.64511	12.33638	9.868709	13.81527	1.399907
KREMEN1	1	6.067614	3.608551	6.029793	6.709253	5.699599	3.926951	2.326911	9.659373	4.807188	8.594328	5.622962	5.86295	1.04268
KREMEN2	1	0	0	0.11161	0.051015	0.693403	0	0	0	0	0.014159	0.171206	0.002832	0.01654
KRI1	1	9.07812	7.007083	8.109364	9.569336	9.266388	36.46698	26.73835	19.67713	10.18982	6.968564	8.606058	20.00817	2.324894
KRIT1	1	6.946272	7.458236	5.885286	6.456112	4.752479	9.84408	11.1894	15.1634	15.79052	10.64522	6.299677	12.52652	1.988439
KRR1	1	7.668192	8.042944	3.880604	4.152311	5.019443	9.108365	10.19762	11.63108	9.750447	6.379599	5.752699	9.413422	1.636349
KRT1	1	0.023935	0	0	0	0	0	0	0	0	0	0.004787	0	0
KRT10	1	0.035796	0.080849	0.208471	0.328744	0.032379	0	0	0	0.185052	0	0.137248	0.03701	0.26966
KRT12	0.017347	0	0	0	0	0	0.360024	0.313253	0.279393	2.387884	0.16337	0	0.700785	#DIV/0!
KRT13	1	0.054883	0	0.095889	0	0	0	0	0	0.11349	0	0.030154	0.022698	0.752722
KRT14	1	0	0.023952	0	0	0	0	0	0	0.109645	0.1234	0.00479	0.046609	9.729699
KRT15	1	0.020458	0.011552	0	0.024507	0.027759	0	0	0	0.158644	0	0.016855	0.031729	1.882432
KRT16	1	0.074038	0.013935	0	0	0	0	0	0	0	0	0.017595	0	0
KRT17	1	0.010492	0	0	0	0.056944	0	0.04459	0.054233	0.162721	0.069766	0.013487	0.066262	4.912922
KRT18	1	0.34566	0.043373	1.090424	0.53675	0.625339	0	0.734511	0.430126	2.845866	0.8087	0.528309	0.963841	1.824387
KRT19	1	2.663667	0	0.88589	0.550695	0.073384	0.141521	0	0	0.698995	1.168787	0.834727	0.401861	0.481427
KRT2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRT20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRT222	1	20.71993	20.33052	5.141252	5.554459	10.33029	21.75471	40.87306	6.888524	3.520196	1.692526	12.41529	14.9458	1.203822
KRT23	1	0	0	0	0	0	0	0	0	0.061489	0.09886	0	0.03207	#DIV/0!
KRT24	1	0.090778	0.227813	0.374481	1.014925	0.383196	1.636349	1.757514	0.495287	0.104286	0.033534	0.418239	0.805394	1.925681
KRT25	1	0	0	0	0	0	0	0	0	0.118187	0	0	0.023637	#DIV/0!
KRT26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRT27	1	0.129038	0.079485	0	0.421565	0.382	0	0	0	0	0	0.202418	0	0
KRT28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRT3	1	0.023525	0	0	0.037574	0.170238	0.041038	0	0	0.040539	0	0.046268	0.016315	0.352632
KRT31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRT32	1	0	0	0.025056	0	0	0	0	0	0	0	0.005011	0	0
KRT33A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRT34	1	0	0	0	0	0.062039	0	0	0	0	0	0.012408	0	0
KRT35	1	0	0	0	0	0	0.056164	0	0	0	0	0	0.011233	#DIV/0!
KRT36	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRT38	1	0	0	0	0.034217	0	0	0	0	0	0	0.006843	0	0
KRT39	1	0.012754	0	0	0.015278	0	0	0	0	0	0	0.005607	0	0

KRT4	1	0.034524	0	0	0	0	0	0	0	0	0	0.006905	0	0
KRT40	1	0.222745	0.18535	0.128017	0.028087	0.127254	0	0	0	0	0	0.13829	0	0
KRT42	1	0	0	0.008882	0.019487	0	0	0	0	0.063073	0	0.005674	0.012615	2.223329
KRT5	1	0.040939	0	0.08941	0.049041	0	0	0	0	0.529103	0.085068	0.035878	0.122834	3.423667
KRT6A	1	0	0	0	0	0	0	0	0	0.313773	0.014414	0	0.065637	#DIV/0!
KRT6B	1	0.008584	0	0	0	0	0	0	0	0.044374	0	0.001717	0.008875	5.169638
KRT6C	1	0.017058	0	0	0	0	0	0	0	0.044092	0	0.003412	0.008818	2.584819
KRT7	1	0.106575	0.160474	1.655151	0.397182	1.0283	0.061971	0.905866	5.692364	0.306086	0.118109	0.669536	1.416879	2.116209
KRT71	1	0.008381	0	0	0	0	0	0	0	0	0	0.001676	0	0
KRT72	1	0.066063	0.031974	0	0.022611	0	0	0	0	0	0	0.02413	0	0
KRT73	1	0	0.005827	0	0.012361	0	0	0	0	0.026673	0	0.003638	0.005335	1.466525
KRT74	1	0	0.007917	0	0	0	0	0	0	0	0	0.001583	0	0
KRT75	1	0.008776	0	0	0	0	0	0	0.204132	0.045369	0	0.001755	0.0499	28.42963
KRT76	1	0.031498	0.008893	0.068791	0.056597	0.042738	0	0	0	0.081417	0	0.041704	0.016283	0.390458
KRT77	1	0.005635	0.012727	0.024612	0.0135	0	0	0	0	0	0	0.011295	0	0
KRT78	1	0	0	0	0	0	0.409338	0	0	0	0.014447	0	0.084757	#DIV/0!
KRT79	1	0	0	0.037254	0.040867	0	0	0	0	0	0	0.015624	0	0
KRT8	1	7.427467	0.011983	0.463466	0.228788	0	0.055529	0.405848	2.166391	1.974719	0.546793	1.626341	1.029856	0.633235
KRT80	1	0.771759	0.761411	1.102052	2.885207	0.817007	0.088766	0	0.043837	0.197294	0.042294	1.267487	0.074438	0.058729
KRT81	1	0.286294	0.086217	0.270944	1.131734	0.67332	0	0.081115	0	0.296007	0.031728	0.489702	0.08177	0.166979
KRT82	1	0	0	0	0	0	0	0	0	0	0.048554	0	0.009711	#DIV/0!
KRT83	1	0.040673	0	0	0	0	0	0	0	0.1577	0.033806	0.008135	0.038301	4.708395
KRT84	1	0	0.011902	0	0	0	0	0	0	0.054484	0	0.00238	0.010897	4.577713
KRT85	1	0.448287	0.959217	0.480933	1.036317	1.387242	0	0	0	0.365918	0	0.862399	0.073184	0.084861
KRT86	1	0.055565	0	0.060676	0.343897	0.050261	0	0	0	0.047875	0.061578	0.10208	0.021891	0.214446
KRT89	1	0.333692	0.115951	0.037373	0.061497	0.092875	0	0	0	0	0	0.128278	0	0
KRT9	1	0.317245	0.040945	0	0.119437	0.049194	0	0	0	0	0	0.105364	0	0
KRTAP10-11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP10-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP10-8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP1-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP11-1	1	0	0	0	0.050957	0	0	0	0	0	0	0.010191	0	0
KRTAP12-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP13-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP13-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP17-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP24-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP27-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP3-1	1	0	0	0	0	0	0	0.065747	0	0	0	0	0.013149	#DIV/0!
KRTAP3-3	1	0	0	0	0	0	0	0.056448	0	0	0.044159	0	0.020121	#DIV/0!
KRTAP4-7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP7-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP8-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP9-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTAP9-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KRTCAP2	1	16.56425	16.29388	24.82127	28.77363	125.663	85.8425	48.81503	41.4553	37.91941	54.40067	42.4232	53.68658	1.265501

KRTCAP3	1	0.721209	0.747979	3.343055	4.407818	8.946857	15.25135	4.785258	26.62749	18.48978	13.84841	3.633384	15.80046	4.34869
KRTDAP	0.004612	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
KSR1	1	1.379339	2.127585	6.520793	7.784626	2.236714	2.802317	1.596575	4.745853	4.913216	7.438015	4.009811	4.299195	1.072169
KSR2	1	2.595239	2.426067	3.577075	1.592407	0.086077	1.886352	1.317413	1.974912	0.954058	0.810102	2.055373	1.388568	0.675579
KTI12	1	0	0	0	0	0	0.059785	0.04855	0	0	0	0	0.021667	#DIV/0!
KTN1	1	39.0516	35.69717	28.50479	28.31881	12.77405	32.5094	36.1189	36.50681	50.32181	20.81339	28.86928	35.25406	1.221162
KXD1	1	16.96732	12.96686	6.852317	7.023805	60.23427	16.76926	8.794985	5.060846	2.875899	4.753296	20.80891	7.650857	0.367672
KY	1	1.12573	1.357041	1.067054	0.838367	1.666288	0.725617	0.399856	1.168874	1.655434	1.015243	1.210896	0.993005	0.820058
KYAT1	1	0.705119	0.714922	0.483343	0.3206	4.287831	1.858528	0.732766	3.059404	0.824829	1.232034	1.302363	1.541512	1.183627
KYAT3	1	2.483305	2.948638	1.456581	1.946327	4.678703	6.683631	8.608882	8.691752	5.061756	6.203916	2.702711	7.049987	2.608488
KYNU	1	0.091012	0.036707	0.184568	0.124597	0.15877	1.939194	0.870277	0.520831	1.008207	0.043226	0.119131	0.876347	7.356184
L1CAM	1	24.36537	21.37317	39.19518	39.34002	19.87792	12.73222	25.47078	58.03785	33.23261	54.43924	28.83033	36.78254	1.275828
L2HGDH	1	5.234487	5.151308	2.939635	2.735531	3.090688	5.779788	12.21088	15.77303	15.16572	10.41307	3.83033	11.8685	3.098558
L3HYPDH	1	2.144136	1.81851	3.402131	3.616793	3.752326	2.381593	1.580716	2.42012	2.443094	2.749579	2.946779	2.31502	0.78561
L3MBTL1	1	1.458759	1.354644	2.320025	2.261927	2.351706	1.649192	1.501291	2.679777	2.667029	1.846168	1.949412	2.068691	1.061187
L3MBTL2	1	6.877826	5.453982	6.998488	8.042611	5.237328	8.52801	8.492389	9.787618	3.64736	6.628405	6.522047	7.416756	1.137182
L3MBTL3	1	6.433251	5.507215	2.734447	2.810499	3.897634	8.65787	10.01905	3.158136	2.313064	1.225053	4.276609	5.074635	1.186602
LACC1	1	5.339573	3.399791	2.096806	2.350972	1.339674	1.711811	2.670859	3.545842	2.129381	1.893042	2.905363	2.390187	0.822681
LACTB	1	2.985535	1.696327	1.630073	1.620535	2.455846	1.318299	2.696247	3.472175	1.44695	1.147683	2.077663	2.016271	0.970451
LACTB2	1	9.8487	8.36796	6.412041	9.099485	6.618301	4.552559	5.611606	6.624309	24.89496	15.13232	8.069298	11.36315	1.408196
LACTBL1	1	0.012043	0	0.026301	0.014426	0	0	0	0	0	0	0.010554	0	0
LAD1	1	0.122808	0	0.076631	0.031524	0.047609	0	0	0	0.045348	0.014582	0.055714	0.011986	0.215134
LA-DRB	1	0.02474	0.020954	0.013508	0.001852	0	0.016184	0.039429	0.039962	0.047962	0.048838	0.012211	0.038475	3.150851
LAG3	0.022258	0.018059	0.020394	0.157757	0.118977	0.147015	0.330772	3.35768	2.053536	0.886883	1.440927	0.09244	1.61396	17.45951
LAGE3	1	5.822691	3.784894	6.37513	6.160911	20.62076	9.699326	5.316747	5.149192	6.627056	10.52651	8.552877	7.463766	0.872661
LAIR1	9.68E-10	2.301907	1.843533	4.757353	3.911	3.088373	0.1078	0	0.013309	0	0.077044	3.180433	0.039631	0.012461
LALBA	1	0.02594	0.087884	0	0.124296	0	0	0	0	0	0	0.047624	0	0
LAMA1	1	5.138666	3.764489	7.348773	8.143902	3.400874	8.151992	15.33976	21.62665	5.839029	3.262093	5.559341	10.8439	1.950574
LAMA2	1	2.443968	0.999268	2.130793	3.024816	0.933216	3.488205	2.701342	3.799764	3.775348	1.846677	1.906412	3.122267	1.637771
LAMA3	1	0.160634	0.293613	0.911402	0.259869	0.116841	1.343304	0.40116	0.213994	1.695079	2.15273	0.348472	1.161253	3.332418
LAMA4	1	9.047504	7.690051	2.548252	3.08019	6.50319	11.2258	2.101971	1.694915	2.514489	0.576888	5.773837	3.622812	0.627453
LAMA5	1	0.603278	0.571696	8.837737	5.09158	0.390622	1.684379	0.604881	1.233099	9.314387	14.60719	3.098983	5.488788	1.771158
LAMB1	1	7.080385	1.428785	2.916225	3.107102	2.047302	11.25071	21.80563	2.130984	2.83022	2.81902	3.31596	8.167314	2.463032
LAMB2	1	5.599682	2.403327	11.18373	12.36805	2.959732	19.75127	7.058873	8.009477	8.113783	4.090451	6.902905	9.404771	1.362437
LAMB3	1	1.52304	1.102265	1.38773	1.541946	0.986594	5.965069	9.667388	2.395585	4.148437	6.315888	1.308315	5.698473	4.355583
LAMC1	1	7.487156	6.047861	15.62875	21.60683	4.229778	18.29217	7.275165	9.876163	8.326044	5.92537	11.00008	9.938983	0.903538
LAMC2	1	0.013294	0.045038	0.181458	0.111472	0.027056	0.208713	0.091808	0.257679	0.068724	0.215463	0.075664	0.168478	2.226663
LAMC3	1	1.403258	0.646394	2.88992	4.537838	1.937393	2.576739	0.732385	0.572627	1.638589	0.578055	2.282961	1.219679	0.534253
LAMP1	0.008951	75.60015	75.92515	82.65397	103.8025	72.35606	23.5523	23.48929	18.50086	19.52232	29.63547	82.06757	22.94005	0.279526
LAMP2	1	22.81911	25.59912	34.0803	41.44594	21.11286	18.15641	28.5321	19.60974	31.38321	16.93243	29.01147	22.92278	0.790128
LAMP3	1	0.262399	0.131162	0.901879	0.211268	0.105059	1.238149	1.051184	0.578099	1.801264	0.48625	0.322353	1.030989	3.19832
LAMP5	1	148.6107	101.6452	37.85605	67.9456	154.8367	20.01017	75.09913	20.14629	6.886444	13.84674	102.1789	27.19775	0.266178
LAMTOR1	1	28.962	23.05539	31.62594	31.07507	68.27496	95.49691	53.61397	37.47124	34.35364	69.58801	36.59867	58.10475	1.587619
LAMTOR2	1	23.9558	14.05202	21.84171	23.50745	94.98765	92.65709	43.61509	28.02588	15.33006	39.19426	35.66893	43.76447	1.226964
LAMTOR3	1	38.83594	39.52585	16.8125	21.16196	63.6794	32.71586	33.47795	30.15195	13.92886	22.15192	36.00313	26.48531	0.735639
LAMTOR4	1	40.25803	30.27408	31.47322	37.9042	130.2723	54.3333	29.30569	30.27625	19.70646	43.22385	54.03636	35.36911	0.654543

LAMTOR5	1	44.04636	45.66575	30.72913	33.85617	135.3813	106.2903	45.75819	53.28126	35.10433	50.54197	57.93575	58.19521	1.004478
LANCL1	1	96.52175	115.9982	80.82388	102.3543	103.9787	84.69643	157.681	119.8397	85.23507	58.86671	99.93536	101.2638	1.013293
LANCL2	1	19.79192	21.05943	18.24452	14.10528	12.69278	61.83659	50.32498	44.18315	47.72685	49.80954	17.17879	50.77622	2.955751
LANCL3	1	0.074123	0.39761	1.760461	0.588242	0.100573	0.775818	0.767848	0.191566	3.113406	1.355386	0.584202	1.240805	2.123933
LAP	1	0.099898	0.112816	0	0	0	0	0	0	0	0	0.042543	0	0
LAP3	1	27.55655	31.56495	62.92918	100.4349	29.03561	41.75089	43.61805	26.34303	33.23683	51.78385	50.30423	39.34653	0.782171
LAPTM4A	1	78.12134	57.1045	60.95705	65.34442	129.3816	148.6476	159.8664	160.6852	154.7643	112.8656	78.18178	147.3658	1.884913
LAPTM4B	1	8.066581	7.679793	10.91286	10.37356	16.72547	9.022272	15.71125	14.33403	6.771831	4.335204	10.75165	10.03492	0.933337
LAPTM5	1	21.05919	19.11581	37.19504	38.42631	29.10278	72.49083	24.39053	13.25395	18.62988	5.544158	28.97983	26.86187	0.926916
LARGE1	1	23.33943	20.50238	19.09299	21.57331	28.23421	29.18602	32.12347	17.4327	10.73464	9.358698	22.54846	19.76711	0.87665
LARGE2	1	0.019949	0.006437	0.080913	0.027311	0.038669	0.044743	0.066615	1.163736	0.456722	1.444936	0.034656	0.635351	18.33318
LARP1	1	28.10688	23.76108	30.88449	29.34143	2.09829	25.56079	38.29274	37.94677	26.47111	30.74165	22.83844	31.80261	1.392504
LARP1B	1	1.556469	1.571172	0.890687	0.714255	0.665433	1.350832	2.051368	1.394237	0.92073	1.561863	1.079603	1.455806	1.348464
LARP4	1	8.139442	8.437359	6.929821	7.109945	4.034511	4.43523	10.47343	8.933166	13.30824	7.063347	6.930216	8.842682	1.275961
LARP4B	1	5.608509	5.04358	5.329375	6.17031	3.435939	2.763437	4.598351	4.157329	4.574471	3.700106	5.117543	3.958739	0.773562
LARP6	1	33.92279	37.53	41.94562	69.5192	36.13985	54.26286	32.19588	19.20028	18.32355	50.56178	43.81149	34.90887	0.796797
LARP7	1	16.31408	14.57656	8.224469	9.386374	8.025415	12.80111	16.56244	18.35805	20.78977	11.29115	11.30538	15.9605	1.411762
LARS	1	16.61256	20.50038	17.2652	13.65238	8.308536	11.04428	23.87938	22.0537	40.79343	23.30468	15.26781	24.21509	1.586023
LARS2	1	5.551041	5.06738	6.192792	7.697866	5.436436	2.985862	5.624371	6.308403	4.945443	4.34999	5.989103	4.842814	0.808604
LAS1L	1	33.92609	30.58075	25.64479	28.63244	50.03613	15.04934	26.65411	33.09015	17.45007	16.99292	33.76404	21.84732	0.647059
LASP1	1	53.4227	43.60471	39.97709	44.38362	48.59466	71.52545	31.19051	23.00709	26.76518	29.74352	45.99656	36.44635	0.792371
LAT	1	0.154279	0.226496	0.415558	0.351138	0.432618	0.215304	0.316907	1.036685	0.717809	0.230817	0.316018	0.503504	1.593278
LAT2	1	2.59929	2.243371	4.088435	3.783194	2.357297	4.369855	1.044573	0.574313	0.626614	0.313432	3.014317	1.385757	0.459725
LATS1	1	4.062618	4.820488	6.479131	4.285437	0.483037	2.648493	3.752771	10.04859	8.534425	5.482807	4.026142	6.093417	1.513463
LATS2	1	2.432788	1.852467	2.61952	2.552253	1.999781	4.114769	1.696976	7.554447	9.516162	6.965704	2.291362	5.969612	2.605268
LAX1	1	0.057823	0.12407	0.088398	0.110825	0.25106	0.151303	0.012287	0.029888	0.059785	0	0.126435	0.050653	0.400621
LAYN	1	1.002863	0.347483	1.144884	1.583562	0.742211	2.087395	2.591142	1.560995	1.944164	8.411238	0.9642	3.318987	3.442216
LBH	1	9.163764	6.491825	12.03966	11.57097	13.15547	14.48832	9.916094	2.905726	4.2811	5.596907	10.48434	7.43763	0.709404
LBHD1	1	0.245769	0.092516	0.134188	0.171737	0	0.214365	0.870413	1.270354	1.482296	0.74901	0.128842	0.917288	7.119475
LBHD2	1	0	0.01478	0	0	0	0	0	0	0	0	0.002956	0	0
LBP	1	0.090924	0	0	0	0	0	0.064403	0	0.731181	0.016794	0.018185	0.162476	8.93468
LBR	1	3.289704	2.787637	4.181613	3.389803	2.585188	8.718568	7.199871	13.55962	9.874007	7.668503	3.246789	9.404114	2.896435
LBX1	1	0	0	0.204063	0.037309	0	0	0	0.72445	0.644049	1.734449	0.048275	0.62059	12.85543
LBX2	1	0	0	0	0.038067	0	0	0	0	0	0.105652	0.007613	0.02113	2.775427
LCA5	1	2.584525	1.267917	1.298842	0.739042	0.754145	1.134411	2.870005	2.772375	5.603024	2.180509	1.328894	2.912065	2.191345
LCA5L	1	0	0.858027	0.103708	0.085326	0	0.124256	0.063066	0.076704	1.196752	0.69071	0.209412	0.430298	2.054788
LCAT	1	7.326214	4.487113	31.21856	30.20154	10.84709	10.61544	4.132829	18.96502	12.27508	6.92237	16.8161	10.58215	0.629287
LCE1B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LCE3C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LCK	1	0.456978	0.809517	0.450088	0.740614	1.945234	0.468924	0.190403	0.09263	0.509539	0.268111	0.880486	0.305921	0.347446
LCLAT1	1	3.582713	2.715228	2.901221	2.84945	3.197734	1.493832	2.643972	3.20624	1.286466	1.624272	3.049269	2.050956	0.672606
LCMT1	1	23.08919	25.44493	16.53457	18.63935	39.95485	65.88917	43.49337	32.07047	28.32703	37.82568	24.73258	41.52114	1.678804
LCMT2	1	0.678991	0.75912	0.874904	0.780824	0.644895	1.421352	3.607052	6.861317	1.263649	2.821772	0.747747	3.195029	4.272874
LCN1	1	0	0.374913	0.569676	0.113624	0.772199	0	0	0	0	0	0.366082	0	0
LCN12	0.001605	0.049528	0.156609	0	0.201718	0.456966	0	0	0	0	0	0.172964	0	0
LCN2	1	0.482551	0.479554	0.337239	0.64741	1.466623	7.374013	5.701204	0.19954	2.394829	0.705901	0.682675	3.275097	4.797445

LCN6	1	0.100837	0.014234	0.041292	0.15099	0.171024	0	0	0	0	0	0.095675	0	0
LCN8	1	0.083429	0.052343	0.04049	0.044418	0.150933	0	0	0	0	0	0.074323	0	0
LCN9	8.81E-05	1.128601	1.18478	0.885253	1.323382	2.674429	0	0	0	0	0.06606	1.439289	0.013212	0.00918
LCNL1	1	2.687753	3.808258	7.364778	11.15876	9.604096	0.524195	0.567586	0.34516	1.294538	0.111005	6.924729	0.568497	0.082097
LCOR	1	2.022308	2.591462	3.302057	2.545659	1.368981	2.359552	2.867989	4.108736	4.900831	2.962588	2.366093	3.439939	1.453848
LCORL	1	1.310979	1.250936	1.409045	1.206925	0.659549	1.032972	1.067355	2.006242	1.903732	0.668477	1.167487	1.335756	1.144129
LCP1	1	1.435889	0.686838	3.115951	4.064559	0.459145	1.699134	0.787091	1.370933	8.581398	3.185103	1.952477	3.124732	1.600394
LCP2	1	0.975847	0.761975	1.193479	1.563069	0.514494	8.813101	3.246707	1.556448	1.585502	0.176123	1.001773	3.075576	3.070133
LCT	1	0	0	0.007091	0.015558	0	0.11895	0.745178	0.755261	0.302148	0.663913	0.00453	0.51709	114.1487
LCTL	1	0.057906	0.021798	0	0.023122	0.052379	0	0.205079	0	0	0.064173	0.031041	0.05385	1.734814
LDAH	1	4.687586	4.528112	3.761532	5.12504	3.787165	3.739682	5.152405	3.149058	5.367597	2.766658	4.377887	4.03508	0.921696
LDB1	1	23.45714	22.10141	28.40255	33.14067	38.63541	47.3905	26.56086	48.24414	29.95688	56.09532	29.14744	41.64954	1.428926
LDB2	1	18.17394	14.11586	4.876987	10.92638	18.19517	42.55086	63.79264	1.465022	2.338457	1.037497	13.25767	22.2369	1.677286
LDB3	1	0.700872	0.514824	1.740636	4.012104	4.165743	0.178526	1.107103	0.384714	3.174354	0.381487	2.226836	1.045237	0.469382
LDHA	1	12.1208	9.552933	5.734798	11.30861	27.71399	32.47687	43.40307	25.29054	24.56616	31.31071	13.28623	31.40947	2.364063
LDHAL6B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LDHB	1	371.0508	406.693	259.8937	245.1612	806.4394	591.3898	565.1776	371.9103	292.491	621.5174	417.8476	488.4972	1.16908
LDHC	1	0.114239	0.645053	0.149696	0.082108	0.062001	0	0	0	0.118115	0	0.210619	0.023623	0.112159
LDHD	1	2.042693	1.500556	3.421668	3.21506	2.152698	0.415149	0.828792	0.59797	0.546795	4.934115	2.466535	1.464564	0.593774
LDLR	1	10.03432	7.13698	10.59993	7.677355	7.058308	2.379872	4.795513	3.317156	4.613934	5.44709	8.501378	4.110713	0.483535
LDLRAD1	1	0	0	0.070932	0	0	0	0	0.04197	0	0.013498	0.014186	0.011093	0.781976
LDLRAD2	1	0	0	0.363337	0.177146	0	0	0	0	0	0	0.108097	0	0
LDLRAD3	1	5.363712	3.848149	7.648643	8.488137	4.366605	2.242853	1.849319	0.856195	3.099062	3.693263	5.943049	2.348139	0.395107
LDLRAD4	1	13.31104	15.29288	9.215934	9.718333	12.90341	4.286339	5.711744	4.898681	5.448464	6.148949	12.08832	5.298835	0.438343
LDLRAP1	1	1.029625	0.566662	10.56017	2.724368	0.937249	3.308047	1.758629	21.52384	13.23959	22.85718	3.163614	12.53746	3.963018
LEAP2	1	0.099898	0.112816	0.981783	0.598338	2.168729	2.352602	3.078043	7.229081	1.549314	3.48735	0.792313	3.539278	4.467022
LECT2	1	0	0	0	0	0	0	0	0	2.145643	0.086243	0	0.446377	#DIV/0!
LEF1	1	3.920631	3.494207	5.665138	5.879509	5.946507	14.95037	3.683716	2.793324	4.710997	0.951188	4.981198	5.41792	1.087674
LEFTY2	1	0.034023	0.115268	0.074306	0	0.184656	0	0	0	0.175888	0	0.081651	0.035178	0.430831
LEKR1	1	2.171665	1.394926	1.869529	0.798321	1.184873	0.24053	0.415077	0.3712	0.415805	0.114604	1.483863	0.311443	0.209887
LELP1	1	0	0.785532	0	0	0	0	0	0	0	0	0.157106	0	0
LEMD1	1	0	0.247405	0	0	0	0.104227	0	0	0	0	0.049481	0.020845	0.421283
LEMD2	1	4.245751	4.123174	8.003997	9.616936	6.267436	5.68151	6.230181	9.847019	4.861667	8.885541	6.451459	7.101184	1.10071
LEMD3	1	10.12057	10.68164	7.807037	8.018495	11.13773	9.557613	20.90993	17.87346	17.41305	11.72291	9.553093	15.49539	1.622029
LENEP	1	0.12218	0.059134	0.533675	0.229993	0.378923	0	0	0	0	0.11606	0.264781	0.023212	0.087665
LENG1	1	5.195618	6.10791	5.673513	8.749028	10.80553	5.014617	2.986345	3.687136	3.192313	4.14144	7.30632	3.80437	0.520696
LENG8	1	26.80924	29.63717	96.32993	118.5535	33.68253	12.65093	15.15907	31.171	28.70099	16.47949	61.00248	20.8323	0.341499
LENG9	1	1.136633	1.000019	1.991663	2.651887	0.358657	0.103751	0.561695	1.332151	0.136651	0.681086	1.427772	0.563067	0.394367
LEO1	1	21.25932	18.96833	12.43485	11.89569	12.63335	10.86717	17.02736	19.06468	17.2278	16.50781	15.43831	16.13896	1.045384
LEP	1	0	0	0	0	0	0	0	0	0	0.030983	0	0.006197	#DIV/0!
LEPR	0.84023	0.091519	0	0.060568	0.039866	0	1.335257	1.756159	1.003446	1.046603	0.590102	0.038391	1.146313	29.85921
LEPROT	1	7.665309	8.814227	12.13417	13.15213	10.51902	6.323379	4.207526	4.711212	5.777039	2.461383	10.45697	4.696108	0.449089
LEPROTL1	1	25.07402	24.56992	21.54848	22.21422	27.06019	9.453931	17.25317	16.02658	14.43281	8.506628	24.09336	13.13462	0.545155
LETM1	1	20.23549	17.47682	23.01785	26.34847	10.21872	7.116988	12.36393	8.797812	14.21648	32.07857	19.45947	14.91476	0.766452
LETM2	1	0.236734	0.229153	0.221579	0.135039	0.061183	0	0.047909	0	0.058278	0.224875	0.176737	0.066212	0.374636
LETMD1	1	9.105881	9.397167	6.365311	8.087944	17.01178	13.85397	15.7215	16.80337	10.03	7.912529	9.993616	12.86427	1.287249

LEXM	1	0	0.059703	0.028865	0	0	0	0	0	0	0	0.017713	0	0
LFNG	1	6.833881	6.440538	20.13255	20.85828	13.9198	11.96419	4.318189	4.277792	7.751979	24.53202	13.63701	10.56883	0.775011
LGALS1	1	41.08086	32.83895	103.553	123.1816	215.6217	72.69712	13.61767	20.10455	53.81142	105.8527	103.2552	53.2167	0.51539
LGALS12	1	0.005606	0	0	0	0	0	0.035739	0.014489	0.434733	0.027958	0.001121	0.102584	91.49087
LGALS2	1	0	0	0	0	0	0	0	0	0	1.647103	0	0.329421	#DIV/0!
LGALS3	0.104794	3.401685	1.253556	1.01662	1.222457	0.825936	47.0351	34.73441	11.15127	8.607629	2.886891	1.544051	20.88306	13.52485
LGALS3BP	1	12.11599	9.406317	18.33371	30.11566	21.97181	26.73971	15.69155	9.636244	15.06704	8.058746	18.3887	15.03866	0.817821
LGALS4	0.000209	5.840396	5.823952	12.76353	20.89707	13.88075	1.897808	0.567803	1.006278	1.381367	2.588983	11.84114	1.488448	0.125701
LGALS7	1	0.332405	0.150155	0.072596	0.27873	0.72163	0	0	0	0	0	0.311103	0	0
LGALS7B	1	0	0	0	0.038722	0	0	0	0	0	0	0.007744	0	0
LGALS8	1	9.042958	9.810357	9.565669	10.80901	7.368728	6.76068	9.259564	10.97938	14.2405	7.597727	9.319343	9.767569	1.048096
LGALS9	1	2.594867	1.501229	4.134187	2.968243	6.435575	9.071744	4.745622	2.803447	3.958384	0.936956	3.52682	4.303231	1.220145
LGALSL	1	20.89883	22.64444	16.88311	15.85037	23.01837	22.61116	27.43071	18.98009	23.37614	16.81149	19.85902	21.84192	1.099849
LGI1	1	32.31416	34.34994	22.10811	23.41092	74.02001	17.56463	37.80328	38.62256	31.81509	22.29721	37.24063	29.62056	0.795383
LGI2	1	14.25939	21.9418	12.22205	6.836932	36.45755	2.715365	13.6047	4.453917	4.119275	1.925265	18.34354	5.363704	0.292403
LGI3	1	13.5499	16.90261	33.8848	34.98454	30.6878	18.94918	17.24359	28.56218	16.11985	34.58148	26.00193	23.09125	0.888059
LGI4	1	7.796058	13.45775	17.1543	18.71281	27.6936	8.620008	11.26005	3.71156	7.21208	12.67707	16.9629	8.696155	0.512657
LGMN	1	17.83402	19.80652	14.53228	15.57759	20.53221	13.41097	13.14283	11.38244	31.03119	10.33931	17.65652	15.86135	0.898328
LGR4	1	18.844	14.83145	27.96078	33.31036	5.582184	3.614332	8.742296	27.33988	30.25196	15.97422	20.10575	17.18454	0.854707
LGR5	1	1.594025	1.607819	1.963803	1.493305	0.462143	0.606047	1.346204	2.323914	2.676412	4.529574	1.424219	2.29643	1.612414
LGR6	1	0.258629	0.273429	4.098065	1.905004	0.074663	0.172786	0.046772	0.085329	0	1.728859	1.321958	0.406749	0.307687
LGSN	1	0	0	0	0	0	0	0.202273	0.049202	0	0	0	0.050295	#DIV/0!
LHB	1	0	0	0.144357	0.190031	0.023916	0.438161	0.093638	0.182217	0.068341	0.029301	0.071661	0.162332	2.26528
LHCGR	1	0.243142	0.798783	0.531013	0.759037	0.23993	0.231353	0.093939	0	0.761792	6.552667	0.514381	1.52795	2.970464
LHFPL1	1	0.062692	0	0.078239	0.064371	0.243038	0.14061	0	0.277757	0	0	0.089668	0.083674	0.933148
LHFPL2	1	8.243942	3.324204	0.515408	0.466072	4.067518	2.703755	1.917827	6.676155	0.065947	0.079521	3.323429	2.288641	0.688639
LHFPL3	1	6.62889	6.237269	6.056673	6.812327	4.334418	16.28923	12.99199	6.32054	17.72428	5.242252	6.013915	11.71366	1.947759
LHFPL4	1	17.14269	16.18647	15.93468	18.43811	32.02182	10.72216	9.561489	4.971107	2.927235	7.41522	19.94476	7.119443	0.356958
LHFPL5	1	1.037316	1.541378	1.609667	2.648688	0.444463	0.571433	4.698521	1.128793	0.987838	0.862183	1.456303	1.649754	1.132837
LHFPL6	1	14.45067	11.91166	16.2387	10.36574	26.82579	20.61147	20.67308	37.38374	54.67546	56.10618	15.95851	37.88998	2.374281
LHPP	0.221572	13.73664	14.13332	14.97291	19.1826	29.51919	6.349482	4.202746	5.197444	4.682677	2.597069	18.30893	4.605884	0.251565
LHX1	1	0.017593	0	4.898951	0.379349	0	0.368287	0.186925	13.93624	8.549409	9.768159	1.059179	6.561803	6.195181
LHX2	1	13.69992	12.26391	6.997094	18.6243	21.92221	20.88138	16.24739	0.152396	1.625794	0.27773	14.70149	7.836937	0.533071
LHX3	1	0	0.005976	0	0.012678	0	0	0	0	0	0.026391	0.003731	0.005278	1.414715
LHX4	1	0	0	0	0	0	0	0	0.041379	0	0.106462	0	0.029568	#DIV/0!
LHX5	1	0.009117	0	0.756619	0.240265	0	0	0	0.306309	0	1.348829	0.2012	0.331028	1.645265
LHX6	1	4.862572	4.874463	1.625698	3.43204	8.007354	5.016619	4.551859	0.096882	0.110739	0.097924	4.560425	1.974805	0.433031
LHX8	1	0	0	0	0.030706	0.046374	0	0	0.022083	0	0	0.015416	0.004417	0.286491
LHX9	1	0.011625	0.006564	0.825158	1.065341	0	0.09126	0.07411	0	0.240397	0	0.381738	0.081153	0.212589
LIAS	1	14.18073	16.54081	9.001707	11.56469	16.14506	11.55557	13.34625	11.6669	17.8834	13.86653	13.4866	13.66373	1.013134
LIF	1	0.028463	0	0.082883	0.011365	0	0	0	0.01226	0	0.015772	0.024542	0.005606	0.228438
LIFR	1	2.764301	4.03978	12.13383	11.84457	5.596443	2.265148	4.683743	10.41546	9.768266	3.528018	7.275785	6.132127	0.842813
LIG1	1	3.182092	2.583045	3.732784	4.468187	2.537343	2.394023	1.869372	5.586561	6.367007	7.462404	3.30069	4.735873	1.434813
LIG3	1	4.97824	4.277931	5.21954	5.74318	3.308401	9.899542	16.11963	27.97006	13.65568	11.8543	4.705458	15.89984	3.379021
LIG4	1	2.478681	2.760019	2.796991	2.870117	1.47704	1.075161	3.220342	2.792717	5.917284	14.61432	2.47657	5.523965	2.23049
LIM2	1	0.921492	0.024777	0.095833	0	0	0	0.093244	0.113407	0	0	0.208421	0.04133	0.198302

LIMA1	1	4.722597	4.462416	7.194865	4.301636	2.612644	14.23196	6.767755	63.77409	30.14613	18.33308	4.658832	26.6506	5.720448
LIMCH1	1	29.56047	25.80266	26.19616	23.70486	15.57017	23.71745	28.97184	16.36822	27.23506	19.36501	24.16686	23.13152	0.957158
LIMD1	1	1.205686	1.099744	3.13955	2.810799	0.37752	1.067804	0.965685	5.345185	2.109618	2.960127	1.72666	2.489684	1.441907
LIMD2	1	2.597127	2.084577	4.312614	5.707937	11.15408	10.27796	1.550727	2.829079	1.387005	4.228092	5.171268	4.054573	0.784058
LIME1	1	0.654196	0.600265	2.976539	2.824432	7.433956	0.142651	0.231689	0.457907	0.211372	1.653894	2.897878	0.539503	0.186172
LIMK1	1	13.13824	14.24597	17.21604	19.22445	16.32077	37.28203	19.88748	6.331059	7.33319	13.10408	16.0291	16.78757	1.047318
LIMK2	1	1.983664	1.489317	4.667336	4.236059	2.161136	2.733898	3.687318	4.550743	2.417344	5.095051	2.907502	3.696871	1.271494
LIMS1	1	4.033505	4.527426	8.71104	10.77242	5.234855	4.033909	6.395748	6.197701	7.463624	4.406744	6.655849	5.699545	0.856321
LIMS2	1	2.205747	0.992251	2.738445	3.683801	2.88107	8.477929	2.625554	7.143524	2.271119	3.347183	2.500263	4.773062	1.909024
LIN28A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LIN28B	1	0	0.062657	0.121172	0.083078	0	0	0	0.035848	0	0	0.053381	0.00717	0.134309
LIN37	1	6.969835	5.169382	6.829261	8.191166	17.22693	20.0122	10.8077	12.17104	16.45764	22.51479	8.877315	16.39267	1.84658
LIN52	1	5.618825	5.012781	3.263514	4.564232	8.304653	11.1099	10.36963	13.80899	5.900676	9.147871	5.352801	10.06741	1.880775
LIN54	1	3.223132	3.326676	3.021771	2.772566	1.228492	1.868628	3.333041	4.581089	4.861934	3.783932	2.714527	3.685725	1.357778
LIN7A	1	12.55888	15.07691	10.90343	6.906573	11.66073	5.638191	6.247856	18.85677	14.38138	10.48756	11.42131	11.12235	0.973825
LIN7B	1	13.31154	15.01379	8.122484	10.76493	44.61733	43.15447	23.67328	6.871884	6.437891	15.38624	18.36601	19.10475	1.040223
LIN7C	1	27.35465	25.88439	16.38954	13.50203	17.86242	12.50079	22.41918	57.60178	65.01428	27.63251	20.19861	37.03371	1.833478
LIN9	1	1.359974	1.963955	1.419354	1.304725	1.404358	1.480124	1.764615	3.996891	5.16405	1.750566	1.490473	2.831249	1.899564
LINC00483	1	0.023609	0	0	0	0	0	0	0	0.061025	0	0.004722	0.012205	2.584819
LINC00694	1	0.021992	0.033114	0	0.061469	0	0	0	0	0	0.036557	0.023315	0.007311	0.313599
LINC02054	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LINGO1	1	24.21628	20.08364	19.31154	33.86804	40.4545	31.35202	69.93195	14.26536	5.845419	14.34459	27.5868	27.14787	0.984089
LINGO2	1	2.105392	1.789985	1.193507	1.3197	1.482987	0.934326	2.345649	0.281348	0.112555	0.05067	1.578314	0.74491	0.471965
LINGO3	1	1.491541	1.355618	4.059607	3.487569	1.555816	0.023441	1.008894	3.287581	2.222913	5.733238	2.39003	2.455213	1.027273
LINGO4	1	0.353371	0.204067	0.184167	0.355958	1.198667	0	0.05973	0.10378	0	0.180231	0.459246	0.068748	0.149699
LINS1	1	2.703183	3.244337	1.823772	1.948853	2.536971	0.356931	0.650412	0.649181	1.479145	0.846178	2.451423	0.796369	0.32486
LIPA	1	7.055403	5.468672	5.036864	4.931549	7.428354	53.50486	24.12215	20.79674	12.99986	9.148657	5.984168	24.11445	4.029708
LIPC	1	0.083993	0.018971	0.036688	0.060369	0.045586	0	0.214178	0.173661	0.260529	0.1117	0.049121	0.152013	3.094651
LIPE	1	0.610477	1.088291	4.418796	7.32331	0.982147	1.141009	1.686402	1.532664	0.901698	0.949578	2.884604	1.24227	0.430655
LIPF	1	0.443643	0.258095	0	0.322083	0.328337	0	0	0	0	0.156436	0.270432	0.031287	0.115693
LIPG	1	1.465069	1.02207	0.982828	1.347694	0.447777	0	0.116878	0.361839	0.568687	0.365731	1.053087	0.282627	0.268379
LIPH	1	0.020299	0.307183	0.416728	0.102129	0.066103	0.042493	0	0	0.230868	0.107981	0.182488	0.076268	0.417936
LIPI	1	0.145588	0.12331	0.158979	0.130799	0	0	0.348039	0	0.18816	0.423528	0.111735	0.191945	1.717855
LIPJ	1	0.238877	0.138528	0.197399	0.054136	0.052559	0	0	0	0	0.118055	0.1363	0.023611	0.173228
LIPK	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LIPM	1	0	0	0	0	0	3.000647	1.392443	1.179431	0	0	0	1.114504	#DIV/0!
LIPN	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LIPT1	1	2.338418	1.212438	0.899348	0.845638	1.396852	7.003972	8.469211	6.68967	1.976781	2.053632	1.338539	5.238653	3.91371
LIPT2	1	0.59685	0.868745	1.303497	0.889732	0.61187	2.082341	1.493748	1.919587	2.742665	2.667818	0.854139	2.181232	2.553721
LITAF	1	8.446755	10.00194	18.12641	19.06913	33.54295	23.31673	16.63399	7.456638	12.75611	7.637864	17.83744	13.56027	0.760214
LIX1	1	0.479983	0.157518	0.474855	0.388227	0.512101	0.236162	0.113327	0.222652	1.145234	2.66646	0.402537	0.876767	2.178104
LIX1L	1	9.579302	7.720122	11.12982	10.99284	10.21655	17.79073	13.28965	18.32382	31.88328	17.05628	9.927728	19.66875	1.981194
LKAAEAR1	1	0	0.055888	0	0.088923	0	0	0	0	0	0.164533	0.028962	0.032907	1.136193
LLCFC1	1	0	0.158872	0	0	0	0	0	0	0.242423	0	0.031774	0.048485	1.525904
LLGL1	1	4.597886	6.014203	21.25742	30.30944	9.609418	3.177574	1.930417	1.078092	7.380017	10.09337	14.35767	4.731893	0.329572
LLGL2	1	0.579908	0.304468	0.28885	0.457019	0.441735	0.825266	0.486424	2.760835	3.78684	4.363371	0.414396	2.444547	5.899063

LLPH	1	17.41287	15.66977	7.469224	6.180375	17.2889	12.47758	8.762412	6.667046	15.96283	6.984723	12.80423	10.17092	0.794341
LMAN1	1	12.74804	12.54948	13.15184	10.57408	1.4108	5.838241	8.814837	10.35704	11.64636	8.534211	10.08685	9.038138	0.896032
LMAN1L	1	0.00745	0	0.1627	0	0	0	0.01583	0	0	0.260064	0.03403	0.055179	1.621479
LMAN2	1	15.24854	14.77151	20.21556	27.70642	23.41043	42.34068	30.32148	27.3573	33.50853	40.32837	20.27049	34.77127	1.715364
LMAN2L	1	2.997051	3.074922	5.043038	4.8176	6.840607	5.161048	6.777481	9.138196	4.451633	5.493904	4.554644	6.204452	1.362226
LMBR1	1	11.22487	11.01987	7.987552	8.702642	9.332523	3.387116	7.853106	4.52323	8.156857	3.845215	9.653491	5.553105	0.575243
LMBR1L	1	1.619969	1.290476	4.492166	2.673289	3.648184	6.296809	5.813432	11.56993	7.783908	6.682038	2.744817	7.629223	2.779502
LMBRD1	1	34.18987	40.6105	38.15747	44.66781	39.51459	35.14457	62.0642	36.34273	46.15931	26.91441	39.42805	41.32505	1.048113
LMBRD2	1	8.516704	12.69893	7.024342	7.905898	8.099017	6.473891	28.79696	10.79521	12.85934	7.291851	8.848979	13.24345	1.496608
LMCD1	1	9.232047	5.941176	6.992607	7.291359	9.364076	6.809005	11.80424	7.836274	2.807432	4.28806	7.764253	6.709002	0.864089
LMF1	1	1.449895	1.418038	3.876759	4.036348	1.434084	4.822137	4.693415	2.906684	4.529949	5.53372	2.443025	4.497181	1.840825
LMF2	1	3.557612	4.111065	11.84217	13.16611	11.34669	3.463842	1.75808	3.15802	10.89018	10.28327	8.804729	5.910677	0.671307
LMLN	1	1.904243	3.061813	2.688935	2.078573	4.137455	0.884712	2.148602	3.684874	4.600579	1.43693	2.774204	2.55114	0.919593
LMLN2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LMNA	1	5.818247	4.250159	7.990416	8.206596	8.306904	7.433894	7.529471	3.847286	7.749886	14.42938	6.914464	8.197983	1.185628
LMNB1	1	2.486734	2.212151	2.083477	1.630364	2.002017	5.62493	4.054361	6.656938	10.61977	6.237674	2.082948	6.638735	3.187182
LMNB2	1	3.313556	3.682403	6.438514	5.730174	4.198425	1.508831	1.466904	2.959513	2.645056	4.320185	4.672615	2.580098	0.552174
LMNTD1	1	0.066151	0.088287	0.262675	0.064834	0.065277	1.510647	0.613386	0.979155	1.896417	1.249603	0.109445	1.249842	11.41982
LMNTD2	1	0.039843	0.056243	0.010877	0.19091	0.013515	0.130319	0.031749	0.051486	0.463438	0.645762	0.062278	0.264551	4.247933
LMO1	1	0.463439	0.614954	1.619413	2.442665	0.754573	4.547494	1.107883	1.377393	3.833302	8.589858	1.179009	3.891186	3.300387
LMO2	1	4.726712	4.613086	5.829586	5.50402	10.41766	34.05968	18.49477	20.60273	15.16359	4.58679	6.218212	18.58151	2.98824
LMO3	1	24.99052	36.78824	8.126205	12.76646	33.32293	22.95429	24.66241	4.298696	14.60708	5.379714	23.19887	14.38044	0.619877
LMO4	1	114.818	92.33744	25.92287	55.95809	131.0881	290.1029	157.7979	33.02546	18.74816	7.389901	84.02491	101.4129	1.206938
LMO7	1	21.33066	18.45724	4.409236	10.81383	4.523268	9.486058	18.2709	2.352975	2.701694	0.640131	11.90684	6.690353	0.561891
LMOD1	1	2.462449	3.46119	2.746508	2.733257	1.512197	0.078818	0.064007	0.038924	4.905126	15.67263	2.58312	4.151902	1.607321
LMOD2	1	0.511961	0.60859	0.372701	0.624034	0.34123	0.470045	0.22903	0	4.411087	0.552436	0.491703	1.13252	2.303259
LMOD3	1	0.019112	0.014389	0.361748	0.366309	0	0	0.121837	0	0.197606	0.021181	0.152312	0.068125	0.447271
LMTK2	1	27.35285	28.46432	20.11976	28.65598	23.33535	9.651182	19.50051	8.147392	6.157425	8.932453	25.58565	10.47779	0.409518
LMTK3	1	8.605556	7.63646	6.657377	9.234936	6.269607	4.662254	5.485341	2.954313	3.065719	8.162989	7.680787	4.866124	0.633545
LMX1A	1	0.084599	0.065682	0.18476	0.05067	0.08609	0	0.022471	0.396285	0.382676	0.061526	0.09436	0.172592	1.829075
LMX1B	1	0.085907	0.00462	0.705798	0.098007	0	0	0	0	0	0	0.178866	0	0
LNP1	0.202533	6.845024	5.319656	4.072201	3.886733	4.39412	0.320988	0.508305	0.427998	0.539039	0.693327	4.903547	0.497931	0.101545
LNPEP	1	3.973813	4.94117	11.11179	6.992886	2.328981	1.72031	2.105877	4.599361	4.018225	1.765854	5.869727	2.841925	0.484167
LNPK	1	16.30395	15.03075	8.103247	8.850847	7.983593	2.760064	8.432114	9.676269	7.395452	4.767324	11.25448	6.606245	0.586988
LNX1	1	10.50889	10.66402	5.486381	6.851757	5.581314	2.435557	3.817512	10.03613	5.148143	5.157595	7.818471	5.318987	0.68031
LNX2	1	1.026979	1.014802	1.513945	1.086687	0.522541	2.082626	3.646224	3.837486	5.110019	1.330179	1.032991	3.201307	3.099066
LOC100124405	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100124406	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100124497	1	4.85689	4.356268	4.760427	3.829938	3.534303	0.780991	1.700889	1.834935	3.085944	1.578671	4.267565	1.796286	0.420916
LOC100125266	1	0	0	0.03217	0	0	0.154175	0.01565	0	0.380746	0.220377	0.006434	0.15419	23.96486
LOC100125776	1	0	0.01203	0	0.012761	0.057816	0	0	0	0	0	0.016522	0	0
LOC100125913	1	0	0.184924	0	0.030178	0	0.06592	0.107065	0	0	0	0.04302	0.034597	0.8042
LOC100125949	1	0.097184	0.109751	0.212247	0	0.263726	0	0	0	0	0	0.136582	0	0
LOC100126043	1	0.024359	0.053184	0.422048	0.116719	0	0.008499	0	0	0	0.0027	0.123262	0.00224	0.01817
LOC100126053	1	0	0.269968	0.130523	0.035796	0	0	0	0	0	0.099348	0.087257	0.01987	0.227713
LOC100126230	1	0	0.027962	0	0	0	0	0.052615	0.095988	0.064002	0.06174	0.005592	0.054869	9.811278

LOC100126544	1	5.039733	5.735864	7.681675	9.90456	27.9222	31.86928	10.79284	8.98854	3.799483	7.57049	11.25681	12.60413	1.119689
LOC100137746	1	0	0.002014	0.001947	0.001068	0.00242	0.018666	0.005684	0.009218	0.013829	0.007411	0.00149	0.010962	7.357613
LOC100137764	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100137772	1	1.468721	0.741092	0.022749	0	0	2.5621	1.062454	0.592257	3.877152	3.341917	0.446513	2.287176	5.122311
LOC100137780	1	0.006778	0.007654	0.029604	0.024357	0	0	0	0	0	0	0.013679	0	0
LOC100137791	1	0	0	0	0	0	0	0	0	0.038976	0.025066	0	0.012809	#DIV/0!
LOC100137799	5.89E-06	0.034876	0	0.038084	0	0	1.003855	2.482697	2.523802	3.696105	2.985765	0.014592	2.538445	173.9602
LOC100137823	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100137843	4.47E-16	0.011382	0	0.024859	0.02727	0	3.93146	13.10931	7.295426	8.179127	9.157893	0.012702	8.334644	656.161
LOC100137850	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100137858	1	0	0	0	0.012214	0	0	0	0	0	0	0.002443	0	0
LOC100137866	1	0	0	0	0	0	0.127811	0	0	0	0	0	0.025562	#DIV/0!
LOC100137868	1	0.005046	0	0	0	0	0	0	0	0	0	0.001009	0	0
LOC100137877	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100137897	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100137913	1	0.069645	0	0.101401	0	0	0	0	0	0	0	0.034209	0	0
LOC100137929	1	0.008001	0.005387	0.010081	0.002396	0.001253	0.002416	0.000327	0.001591	0.003182	0.003581	0.005424	0.002219	0.409178
LOC100137933	1	0	0	0	0	0	0.061123	0.148912	0.120742	0.06038	0.252401	0	0.128712	#DIV/0!
LOC100137952	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100137956	1	0.074775	0	0	0.014929	0	0	0	0	0	0	0.017941	0	0
LOC100137965	1	0.003048	0.003443	0	0	0	0	0	0.007878	0.047277	0.005067	0.001298	0.012044	9.277996
LOC100137966	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100137981	4.51E-13	0.03798	0.010723	0	0	0	4.472086	3.51065	4.736025	6.479235	3.835431	0.00974	4.606685	472.9446
LOC100137982	1	0.020839	0	0	0.031203	0	0.081792	0	0	0.134661	0.069282	0.010408	0.057147	5.490466
LOC100137986	1	0.004289	0.004843	0.009367	0	0	0	0	0	0.044344	0.00713	0.0037	0.010295	2.782487
LOC100137987	1	0	0.062936	0	0	0	0.583303	0.710536	0.72015	0	3.520366	0.012587	1.106871	87.93654
LOC100137989	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138004	1	0	0	0.013326	0	0	0	0	0	0	0	0.002665	0	0
LOC100138009	1	0	0	0	0	0	0	0	0	0	0.025097	0	0.005019	#DIV/0!
LOC100138018	0.000534	0	0	0	0	0	1.201279	0.576455	2.642631	1.294538	1.04067	0	1.351115	#DIV/0!
LOC100138021	1	0	0.004525	0	0	0	0	0	0	0	0	0.000905	0	0
LOC100138031	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138037	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138041	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138048	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138076	1	0	0	0.007569	0.002076	0.004702	0	0	0.004479	0.080625	0.023045	0.002869	0.02163	7.53789
LOC100138077	1.51E-15	0.064874	0.018316	0	0	0	22.23753	7.064963	11.40101	9.809648	14.0733	0.016638	12.91729	776.382
LOC100138078	1	0.968875	0.823497	0.523428	0.665823	1.120873	0.827283	2.329707	2.174529	3.163411	2.39046	0.820499	2.177078	2.653358
LOC100138079	1	0.065782	0	0	0	0	0	0	0	0	0	0.013156	0	0
LOC100138089	1	0	0	0.014277	0	0	0	0	0	0	0.021733	0.002855	0.004347	1.522311
LOC100138092	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138101	1	0	0	0	0	0	0.586785	0.11913	0.217335	1.44911	0.465971	0	0.567666	#DIV/0!
LOC100138113	1	0	0	0	0	0	0	0	0	0.474383	0.101694	0	0.115215	#DIV/0!
LOC100138114	1	0.004831	0.001091	0.00211	0.003472	0	0.005057	0.004106	0.004994	0.019981	0.008031	0.002301	0.008434	3.665283
LOC100138116	0.355444	0.002395	0.001623	0.002092	0.001607	0.00026	0.014541	0.005701	0.015352	0.029223	0.040932	0.001595	0.02115	13.25587
LOC100138124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC100138126	1	0.07958	0	0	0	0	0	0	0	0	0	0.015916	0	0
LOC100138131	1	0.032891	0.130005	0	0	0	5.163914	2.795686	2.252645	0	0	0.032579	2.042449	62.6918
LOC100138140	1	0.013881	0	0	0	0	0	0	0	0.466436	0.230747	0.002776	0.139437	50.22598
LOC100138152	1	0	0.002192	0	0	0	0	0	0	0	0	0.000438	0	0
LOC100138161	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138167	1	0.020033	0	0.021876	0	0	0	0	0	0	0	0.008382	0	0
LOC100138175	1	0.007055	0	0.015408	0.008451	0	0.295376	0	0	0.036473	0.246289	0.006183	0.115628	18.70105
LOC100138193	1	0.010801	0.003659	0.002359	0.001553	0	0.011305	0.011476	0.01619	0.033502	0.017237	0.003674	0.017942	4.883044
LOC100138196	1	0.009328	0.004214	0.004074	0.00447	0	0	0	0	0	0	0.004417	0	0
LOC100138198	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138217	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138219	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138220	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138231	1	0	0	0	0.085705	0	0	0	0	0	0	0.017141	0	0
LOC100138236	1	0	0	0.004732	0	0	0	0	0	0	0	0.000946	0	0
LOC100138242	1	0	0.016819	0	0	0	0	0	0	0	0	0.003364	0	0
LOC100138249	1	0.005285	0.008952	0	0	0.003585	0.0484	0.084225	0.088779	0.00683	0.101029	0.003564	0.065852	18.47468
LOC100138258	1	0.006701	0	0	0	0	0	0	0	0	0.007426	0.00134	0.001485	1.108222
LOC100138269	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138271	0.000584	0	0.022641	0	0	0.054406	1.259074	0.596443	1.450832	1.191929	1.508096	0.01541	1.201275	77.95651
LOC100138273	1	0.01155	0	0	0	0	0	0	0	0	0	0.00231	0	0
LOC100138279	1	0	0.002815	0	0.005971	0	0	0	0	0	0	0.001757	0	0
LOC100138302	1	0.100567	0.326516	0.109817	0.030117	0	0	0.026712	0.25991	0	0	0.113403	0.057324	0.505491
LOC100138306	1	0.008381	0.009464	0	0	0	0	0	0	0	0.013931	0.003569	0.002786	0.780693
LOC100138329	1	0	0	0	0	0	0	0	0.053397	1.495341	2.438533	0	0.797454	#DIV/0!
LOC100138331	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138337	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138351	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138357	1	0	0.045481	0	0	0	0	0	0	0	0.022316	0.009096	0.004463	0.490665
LOC100138363	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138369	1	0.254829	0.086334	0	0	0.138304	0.26672	0.866397	0.461013	0.922161	0.254166	0.095893	0.554092	5.778205
LOC100138381	1	0.00862	0.008113	0	0.001721	0	0	0.003053	0	0.029709	0.004777	0.003691	0.007508	2.034203
LOC100138383	1	0	0	0	0.017869	0	0	0	0	0	0	0.003574	0	0
LOC100138386	1	0	0	0	0	0	0	0.073496	0	0	0	0	0.014699	#DIV/0!
LOC100138394	1	0	0	0	0	0	0	0	0	0	0.014568	0	0.002914	#DIV/0!
LOC100138400	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138409	1	0.040045	0	0	0	0	0	0	0	7.866596	19.3711	0.008009	5.447539	680.1853
LOC100138413	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138418	1	0.023388	0.018038	0.006229	0.00205	0.001548	0.017912	0.014546	0.029486	0.02949	0.020862	0.010251	0.022459	2.190995
LOC100138426	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138445	1	0.019333	0.006238	0	0.009925	0	0	0	0	0	0	0.007099	0	0
LOC100138449	0.22072	7.039448	7.778598	7.220169	6.97416	11.84928	2.49185	3.414809	3.258249	2.797187	2.059752	8.172332	2.804369	0.343154
LOC100138454	0.001841	0	0	0	0	0	0	0	0	0.341627	0.043941	0	0.077114	#DIV/0!
LOC100138479	1	0.42587	1.009969	0.139513	0.127537	0	2.674463	0.633467	0.990574	1.320957	1.38048	0.340578	1.399988	4.110626
LOC100138486	1	0.004081	0.002765	0.001783	0	0.002215	0.004272	0	0	0.00422	0.001357	0.002169	0.00197	0.908152
LOC100138499	1	0	0	0	0	0	0	0	0	0	0.212382	0	0.042476	#DIV/0!

LOC100138518	1	0.001934	0.007097	0.002111	0.008686	0.002624	0.00506	0.006163	0.004997	0.004998	0.015268	0.00449	0.007297	1.625112
LOC100138519	1	0.08809	0	0	0	0	0.184402	0.14975	0.227665	0.364317	0.263584	0.017618	0.237944	13.50564
LOC100138521	1	0.01406	0.004886	0.004724	0.003887	0	0	0	0.004193	0.002796	0.001798	0.005511	0.001757	0.318846
LOC100138527	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138543	1	0.004406	0	0	0	0	0	0.037446	0.022772	0.022775	0.014647	0.000881	0.019528	22.16299
LOC100138563	1	0.00211	0.002383	0.001728	0.000316	0	0.020702	0.005604	0.002726	0.019087	0.020166	0.001307	0.013657	10.44735
LOC100138568	0.92683	0.160246	0.072387	0	0	0	1.006346	1.123701	0.86971	1.325466	1.305277	0.046527	1.1261	24.20333
LOC100138575	1	0	0	0	0	0	0	0	0	0.463807	3.52966	0	0.798693	#DIV/0!
LOC100138578	1	0.004587	0.00259	0.002504	0.002404	0.001556	0.039006	0.001218	0.000741	0.001482	0.002859	0.002728	0.009061	3.321457
LOC100138580	1	0.005317	0.006005	0	0	0	0	0	0	0	0	0.002264	0	0
LOC100138584	0.017342	0.031832	0.017974	0.03476	0	0	0.333175	1.623394	0.781546	0.74052	1.005393	0.016913	0.896805	53.02402
LOC100138586	1	0	0	0.097931	0.053715	0	0	0	0	0.07727	0.534208	0.030329	0.122296	4.032286
LOC100138588	1	0.019382	0	0	0	0	0	0	0	0.100196	0	0.003876	0.020039	5.169638
LOC100138608	1	0	0	0.014902	0.016347	0	0	0	0.008817	0	0	0.00625	0.001763	0.28216
LOC100138612	0.915528	0.014835	0	0	0	0	0.310542	0.063046	0.076679	0.460144	2.071475	0.002967	0.596377	201.006
LOC100138618	4.92E-05	0	0	0	0	0	1.558557	1.305231	1.010209	0.962243	2.69192	0	1.505632	#DIV/0!
LOC100138620	1	0	0.004604	0	0.004884	0	0.016001	0.019492	0.031609	0.026345	0.037274	0.001898	0.026144	13.77808
LOC100138633	0.005646	0.05402	0.04067	0.235954	0.2157	0.048864	2.732798	2.601892	2.699147	4.933642	6.675053	0.119042	3.928506	33.00113
LOC100138634	1	0.012917	0	0.056419	0	0	0	0	0	0.133549	0	0.013867	0.02671	1.926123
LOC100138638	1	0	0	0	0	0	0.287387	2.567209	0.957989	0.425835	0.068465	0	0.861377	#DIV/0!
LOC100138639	1	0	0	0	0	0	0	0	0	0	0.035039	0	0.007008	#DIV/0!
LOC100138641	1	0.007963	0.014389	0.027827	0	0.02161	0	0.003384	0	0.032934	0	0.014358	0.007264	0.505907
LOC100138645	0.802067	0	0.008358	0	0	0	0.116201	0.055046	0.019128	0.325229	0.024607	0.001672	0.108042	64.63116
LOC100138647	1	0.00573	0.009707	0.043801	0.034321	0.007775	0	0	0	0.014812	0.014288	0.020267	0.00582	0.287168
LOC100138650	1	0	0.038988	0	0	0	0	0	0	0	0	0.007798	0	0
LOC100138652	1	0.045364	0.025615	0	0	0	0.237407	0.096397	0	0	0.113116	0.014196	0.089384	6.296462
LOC100138660	1	0	0	0	0	0	0.05556	0.02256	0.041157	0	0	0	0.023856	#DIV/0!
LOC100138661	1	0.012287	0	0.026835	0	0	0	0	0	0	0	0.007824	0	0
LOC100138662	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138705	1	0.014337	0	0	0	0	0	0	0	0	0	0.002867	0	0
LOC100138706	1	0.004713	0	0	0	0	0	0	0	0.048728	0.007834	0.000943	0.011312	12.00161
LOC100138714	1	0	0	0	0.0344	0	0	0	0	0	0	0.00688	0	0
LOC100138720	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138723	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138726	1	0.024757	0	0	0	0	0	0	0	0	0	0.004951	0	0
LOC100138728	1	0.005543	0.004173	0	0.002213	0.005014	0	0.001963	0.002388	0.009552	0.012287	0.003389	0.005238	1.545627
LOC100138729	1	0	0	0	0	0	0	0	0	0.024026	0.115887	0	0.027983	#DIV/0!
LOC100138737	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138740	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138747	0.215307	0	0.004124	0	0	0	0.057332	0.023279	0.056626	0.245416	0.248887	0.000825	0.126308	153.1405
LOC100138752	6.46E-05	0	0	0	0	0	1.384317	2.007466	3.515839	6.446643	2.763952	0	3.223643	#DIV/0!
LOC100138772	1	0.00407	0.03217	0	0.019499	0	0	0	0	0.021038	0	0.011148	0.004208	0.377436
LOC100138794	1	0.010488	0.019741	0.022906	0.004188	0	0	0	0	0.018073	0.017435	0.011465	0.007102	0.619447
LOC100138795	1	0.002996	0.006766	0.065424	0.01555	0.00542	0.026129	0.019097	0.023226	0.051622	0.019919	0.019231	0.027999	1.455902
LOC100138833	0.822902	0	0	0	0.029447	0	0.257295	0.470125	0.127063	0.508326	0.265616	0.005889	0.325685	55.30023
LOC100138842	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC100138845	1	0.041006	0.046309	0	0	0	0.429199	0.087136	0	2.543852	2.249482	0.017463	1.061934	60.81056
LOC100138850	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138853	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138855	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138856	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138858	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138864	1	1.97449	0.944387	1.192199	1.572182	2.899686	2.127413	2.221248	3.782191	3.42248	4.575857	1.716589	3.225838	1.879214
LOC100138866	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138884	0.106279	0.012619	0.018924	0.002259	0.004956	0.006175	0	0	0	0	0	0.008987	0	0
LOC100138885	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138888	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138889	1	0	0.022954	0.04439	0	0	0	0	0	0.210152	0	0.013469	0.04203	3.120569
LOC100138902	1	0.329946	0.392221	0.189629	0.145615	0.42412	0.04544	0	0	0.269321	0.418577	0.296306	0.146668	0.494987
LOC100138908	1	0	0	0.035162	0	0	0	0	0	0	0	0.007032	0	0
LOC100138913	1	0.003346	0.003652	0.006333	0.00334	0.000908	0.005253	0.007109	0.016429	0.103775	0.055616	0.003516	0.037636	10.70539
LOC100138918	1	0.166639	0.174247	0.026958	0.066539	0	0.775181	0.603282	0.366867	0.350967	0.595059	0.086877	0.538271	6.19581
LOC100138922	1	0.085233	0.125549	0.178052	0.05327	0.020113	0	0	0	0.019158	0	0.092443	0.003832	0.041447
LOC100138923	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138924	0.003358	0.003839	0.010117	0.006522	0.001022	0	0.127256	0.124193	0.099228	0.262442	0.079426	0.0043	0.138509	32.21072
LOC100138930	1	0	0	0	0	0	0	0.632938	1.255995	0.243131	0.260602	0	0.478533	#DIV/0!
LOC100138933	1	0.01149	0.019464	0	0	0	0	0	0	0	0	0.006191	0	0
LOC100138934	1	0	0	0	0	0	0	0	0	0.249269	0	0	0.049854	#DIV/0!
LOC100138942	1	0.166387	0.046975	0	0	0	0	0	0	0	0	0.042672	0	0
LOC100138951	1	0.020436	0	0	0.02448	0	0	0.043426	0.026408	0.158472	0.033972	0.008983	0.052456	5.839209
LOC100138976	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100138984	1	0.027614	0.011694	0.007538	0.004135	0	0.108384	0.168699	0.093668	0.080299	0.22091	0.010196	0.134392	13.18055
LOC100138985	7.42E-09	0	0	0.052085	0	0	1.684911	2.863271	3.698142	2.404142	3.706766	0.010417	2.871447	275.6516
LOC100138995	1	0.110919	0.134383	0.121122	0.079335	0.094975	0.002818	0.048055	0.087669	0.108559	0.040278	0.108147	0.057476	0.531461
LOC100138998	1	0.046913	0.01766	0	0	0	0	0	0	0.161683	0	0.012915	0.032337	2.503878
LOC100139009	1	0.738574	0.556051	0	0	1.336165	0.184057	0.14947	0.090895	0	0	0.526158	0.084884	0.161329
LOC100139012	1	0.040002	0	0.043681	0	0	0	0	0	0	0	0.016737	0	0
LOC100139016	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139019	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139020	1	0	0	0.057974	0	0	0	0	0	0	0.022064	0.011595	0.004413	0.380578
LOC100139044	0.009911	0	0	0	0	0	5.116702	4.496287	3.959986	0	0.145548	0	2.743705	#DIV/0!
LOC100139047	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139048	1	0	0.015584	0	0	0	0	0	0	0	0	0.003117	0	0
LOC100139052	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139054	1	0	0	0	0.009986	0	0.087249	0.05314	0.064631	0.430938	0.332571	0.001997	0.193706	96.99292
LOC100139060	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139061	1	0.021556	0	0.859173	0.380876	0	0	0	0	0	0.098543	0.252321	0.019709	0.078109
LOC100139065	1	0	0	0	0	0	1.990053	1.750763	1.091971	0	0	0	0.966557	#DIV/0!
LOC100139070	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139075	1	0.053038	0.011979	0.057917	0.038121	0	0.027757	0.090163	0.068537	0.054838	0.008817	0.032211	0.050022	1.552957
LOC100139104	1	0	0	0.198148	0	0	0	0	0	0	0	0.03963	0	0
LOC100139115	1	16.79273	13.33102	18.06596	25.09173	39.78941	42.91906	23.9526	19.08493	22.57488	47.09571	22.61417	31.12544	1.376369

LOC100139130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139132	1	0	0	0	0	0	0.464163	0	0	0	0	0	0.092833	#DIV/0!
LOC100139136	1	0.019086	0	0	0	0	0	0	0	0.098669	0	0.003817	0.019734	5.169638
LOC100139144	1	0.089308	0.118076	0.099902	0.088717	0.082755	0	0	0	0.033782	0.025347	0.095751	0.011826	0.123506
LOC100139155	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139168	1	0	0	0	0	0	0	0	0	0	0.029847	0	0.005969	#DIV/0!
LOC100139192	0.000261	0.011978	0	0	0	0	0.940241	0.661747	0.247643	1.362237	1.194646	0.002396	0.881303	367.8962
LOC100139196	1	0	0	0	0	0	0	0	0	0	0.056303	0	0.011261	#DIV/0!
LOC100139210	1	0	0	0.031081	0.011365	0	0	0.01008	0.01226	0	0.031543	0.008489	0.010777	1.269462
LOC100139221	0.008124	0.04419	0.024952	0.09651	0.026468	0	3.122042	0.328658	1.142073	4.568958	4.150435	0.038424	2.662433	69.29088
LOC100139231	1	0.003923	0.008861	0	0	0	0	0.025011	0	0	0	0.002557	0.005002	1.956308
LOC100139247	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139249	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139255	1	0.001045	0	0	0.002503	0	0	0	0	0.016205	0	0.00071	0.003241	4.567104
LOC100139260	1	0	0	0	0	0	0	0	0	0	0.328633	0	0.065727	#DIV/0!
LOC100139262	1.49E-05	0	0	0	0	0	3.87973	0.525111	0.596082	5.961689	4.326995	0	3.057921	#DIV/0!
LOC100139263	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139276	1	0.080375	0.105896	0	0	0	3.575329	17.3354	8.412812	0	0	0.037254	5.864708	157.4248
LOC100139281	1	0.034837	0.020552	0.078354	0.056057	0.032453	0	0.006629	0.018813	0.045696	0.007779	0.044451	0.015784	0.35508
LOC100139310	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139311	0.227854	0	0	0.04854	0	0	0.348946	0.897349	0.516974	0.689399	0.70199	0.009708	0.630932	64.99026
LOC100139317	1	0	0	0	0.009573	0	0	0	0	0.041315	0.079711	0.001915	0.024205	12.64189
LOC100139325	1	0.605601	0.647051	0.744462	0.59947	0.757736	1.745966	3.644851	5.923169	1.331032	2.055619	0.670864	2.940127	4.382597
LOC100139328	1	0.002933	0.002331	0.001898	0.001822	0.000295	0.001705	0.000462	0.001965	0.006738	0.001264	0.001855	0.002427	1.30792
LOC100139345	1.30E-12	4.069141	4.411225	4.110085	2.882747	2.195594	0.01551	0.012595	0.015319	0	0.01478	3.533759	0.011641	0.003294
LOC100139350	7.08E-06	0.005496	0	0	0	0	0.28764	0.712442	0.965933	0.340967	0.557338	0.001099	0.572864	521.1353
LOC100139360	1	1.031201	1.160673	1.212095	0.972621	0.241717	1.577748	1.907334	2.594248	4.286003	0.740352	0.923661	2.221137	2.404709
LOC100139362	1	0.051174	0.028896	0.223524	0.245204	0	0.133905	0.054371	0.264513	0.132276	0.085068	0.10976	0.134027	1.221092
LOC100139363	5.50E-05	0	0	0	0	0	0.757507	1.461002	1.262552	1.964256	1.112855	0	1.311634	#DIV/0!
LOC100139381	1	0	0	0	0	0	0	0	0	0	0.02376	0	0.004752	#DIV/0!
LOC100139393	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139408	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139414	1	0.015925	0.008992	0.023186	0	0.043215	0	0	0	0.041163	0.105891	0.018264	0.029411	1.610337
LOC100139418	0.175932	0.0017	0.001919	0	0	0	0.062263	0.057786	0.057104	0.061505	0.019777	0.000724	0.051687	71.41015
LOC100139419	2.79E-42	0.469522	0.113622	0.463879	0.642786	0.182018	815.2514	298.3392	637.0917	259.0232	398.1305	0.374365	481.5672	1286.356
LOC100139434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139473	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139475	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139480	1	0	0	0.039439	0	0	0	0	0	0.093356	0	0.007888	0.018671	2.367093
LOC100139485	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139506	1	0.067598	0	0	0	0	0	0.478805	0.524107	1.689034	1.348438	0.01352	0.808077	59.77108
LOC100139514	1	0.023432	0	0.025587	0.098242	0.063587	0	0	0	0.423975	0.19476	0.04217	0.123747	2.934494
LOC100139523	0.958982	0	0	0.015972	0	0	0.172231	0.116555	0.50088	0.037808	0.09118	0.003194	0.183731	57.51567
LOC100139543	1	0	0	0.005555	0	0	0	0	0	0	0	0.001111	0	0
LOC100139544	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139548	1	7.779063	7.338973	12.18788	12.7044	8.194806	12.81998	13.18302	14.02323	8.092945	14.2647	9.641025	12.47678	1.294134

LOC100139549	0.244083	0.022412	0	0	0	0	0.821009	0.428611	0.347528	2.780631	2.682394	0.004482	1.412035	315.0238
LOC100139578	1	0	0.018654	0	0.006596	0	0	0.0702	0.128069	0.142319	0	0.00505	0.068118	13.48897
LOC100139585	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139593	1	0.033901	0	0	0	0	0	0.048025	0.029205	0	0	0.00678	0.015446	2.278114
LOC100139594	1	0.024703	0.032969	0.009809	0.00538	0	0	0	0.011608	0.034829	0.003733	0.014572	0.010034	0.688561
LOC100139600	1	0.001194	0	0	0.00143	0	0	0	0	0	0	0.000525	0	0
LOC100139603	1	0.307719	0.42186	0.421983	0.236599	0.450538	0.067412	0.024331	0.11097	0.022197	0.047584	0.36774	0.054499	0.148199
LOC100139608	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139622	1	0	0	0	0	0	0	0	0.093253	0	0.02999	0	0.024649	#DIV/0!
LOC100139625	1	0.025869	0	0	0	0	0	0	0	0.267467	0.90306	0.005174	0.234105	45.24828
LOC100139638	1	0.061595	0.107501	0.048917	0.214645	0.060781	0	0	0	0	0.074467	0.098688	0.014893	0.150913
LOC100139644	1	0	0.002667	0.00129	0.003536	0	0	0	0.003052	0	0.000982	0.001499	0.000807	0.538287
LOC100139651	1	0.020891	0.015728	0	0	0	0	0	0	0	0	0.007324	0	0
LOC100139652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139663	1	0.008101	0.009488	0.003932	0.003235	0.000814	0.009421	0.006376	0.015509	0.038778	0.023941	0.005114	0.018805	3.677245
LOC100139670	1	0.779017	0.317981	0.348468	0.314808	0.076409	0.540306	0.538494	0.388111	0.339646	0.273039	0.367337	0.415919	1.132257
LOC100139677	0.001123	0	0	0	0	0	1.184175	1.262164	0.804095	1.754645	1.927746	0	1.386565	#DIV/0!
LOC100139679	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139680	1	0.004873	0	0	0	0	0	0.004438	0.017991	0	0	0.000975	0.004486	4.602754
LOC100139688	1	0	0.00167	0.025831	0.047818	0	0.054161	0.05655	0.11463	0.244579	0.235939	0.015064	0.141172	9.371603
LOC100139702	1	0.027062	0	0	0	0	0	0	0	0.419699	0	0.005412	0.08394	15.50891
LOC100139712	1	0.001998	0.009024	0.045809	0.021537	0.005421	0	0	0	0.237524	0.443321	0.016758	0.136169	8.125764
LOC100139731	1	0	0	0	0.011954	0	0	0	0	0	0	0.002391	0	0
LOC100139732	1	0.197971	0	0	0	0	0.34535	0.112181	0.102329	0	0	0.039594	0.111972	2.827984
LOC100139733	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139755	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139764	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139781	1	0.088277	0	0	0	0	0	0.093792	0	0.342269	0.183432	0.017655	0.123899	7.017621
LOC100139821	1	0.003532	0.000499	0.033752	0.015339	0	0.073947	0.008445	0.004565	0.027392	0.00367	0.010625	0.023604	2.22162
LOC100139823	1	0.154894	0.131192	0.042285	0.06958	0	0.101326	0.370284	0.300236	0.100093	0	0.07959	0.174388	2.191073
LOC100139826	1	0.003746	0.003846	0.000744	0.00204	0	0.00891	0.015195	0.017601	0.021125	0.004529	0.002075	0.013472	6.492831
LOC100139830	1	0	0.090349	0.087363	0.071877	0	0	0	0	0	0	0.049918	0	0
LOC100139841	0.043628	0	0	0	0	0	0.408251	1.367578	3.124988	0.100821	0.680812	0	1.13649	#DIV/0!
LOC100139843	0.1879	0.273739	0.349457	0.623828	0.712849	0.129189	0	0.126453	0	0.184582	0.079138	0.417812	0.078035	0.18677
LOC100139844	1	0.041141	0.046461	0	0	0	0	0	0.053163	0.212684	0	0.01752	0.05317	3.034726
LOC100139871	1	0.015936	0.016642	0.023202	0.016421	0.01209	0.008071	0.008739	0.016828	0.054036	0.047285	0.016858	0.026992	1.601103
LOC100139881	1	0.225887	0.16399	0	0.077311	0.131353	0	0	0	0	0.321857	0.119708	0.064371	0.537735
LOC100139885	1	0.036054	0.018507	0.128848	0.282691	0	0.017153	0.048754	0.033884	0	0.005449	0.09322	0.021048	0.225785
LOC100139890	1	0	0	0.033792	0	0	0.226728	0.144667	0.135961	0.063991	0.041154	0.006758	0.1225	18.12562
LOC100139891	1	0.365611	0.334322	0.41702	0.234053	0.257075	0.2169	0.261066	0.172148	0.390259	0.401078	0.321616	0.28829	0.896379
LOC100139903	1	0.001556	0.004393	0.005097	0.013978	0	0	0.003306	0.006032	0.044238	0.020691	0.005005	0.014853	2.967859
LOC100139906	1	0.01865	0	0.013577	0	0	0	0	0	0	0	0.006446	0	0
LOC100139916	1	0.286899	0	0.024099	0.290802	0.179666	0	0	0	0	0	0.156293	0	0
LOC100139919	1	0	0	0	0	0	0	0	0	0.177821	0	0	0.035564	#DIV/0!
LOC100139929	1	0.048655	0.027473	0	0	0	0	0	0	0	0	0.015226	0	0

LOC100139931	1	0.002163	0.002715	0.007875	0.003743	0.001305	0	0	0.000621	0.001243	0.0004	0.00356	0.000453	0.127159
LOC100139951	1.22E-09	0.014016	0.015828	0	0	0	2.713881	3.752583	2.789131	3.69523	2.912322	0.005969	3.172629	531.5451
LOC100139958	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139965	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139973	1	0.005019	0.006297	0.002436	0.004008	0.001513	0	0	0.001441	0.017296	0.010197	0.003855	0.005787	1.5013
LOC100139975	1.08E-05	0.017921	0	0	0	0	3.282469	2.246753	1.01893	1.667582	1.102236	0.003584	1.863594	519.9561
LOC100139990	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100139996	1	0.940219	1.128157	0.718691	0.718005	1.786012	0	0	0	0	0	1.058217	0	0
LOC100140029	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140038	1	0.008634	0.008125	0.009428	0.001724	0	0	0	0.003719	0.052071	0.019136	0.005582	0.014985	2.684562
LOC100140039	1	0.040216	0	0	0	0	0	0	0	0.103951	0.033426	0.008043	0.027475	3.415986
LOC100140043	1	0	0	0	0	0	0	0	0	0.098669	0	0	0.019734	#DIV/0!
LOC100140058	1.62E-05	0	0	0	0	0	7.074607	4.257583	2.183591	1.497538	1.203859	0	3.243436	#DIV/0!
LOC100140062	1	0.041413	0	0.067834	0.074413	0	0	0	0	0	0	0.036732	0	0
LOC100140075	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140085	1	1.310294	0.905623	0.46912	0.626122	0.213731	1.536312	2.449583	4.274611	3.997621	2.201951	0.704978	2.892015	4.102279
LOC100140103	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140121	1	0.154915	0.454861	0.19172	0.210315	0.462428	0.189168	0.109729	0.09342	0.160171	0.291857	0.294848	0.168869	0.572733
LOC100140124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140133	1	0.213955	0.004095	0.00792	0	0	0.474447	0.693524	0.393628	1.443514	1.464855	0.045194	0.893993	19.78125
LOC100140135	0.614045	0.019584	0.022116	0	0	0	0.102489	0.416146	0.506133	0.911171	0.911535	0.00834	0.569495	68.28485
LOC100140136	1	0.008681	0	0	0.005199	0	0	0	0	0	0	0.002776	0	0
LOC100140140	1	0	0.005144	0	0	0	0.190709	0.116154	0.223678	0	0	0.001029	0.106108	103.1345
LOC100140142	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140157	1	0	0	0	0	0	0.429199	0.493772	0.317935	0	0	0	0.248181	#DIV/0!
LOC100140173	1	0.009967	0.003517	0.010884	0.018655	0	0.06194	0.043682	0.051518	0.106272	0.038314	0.008605	0.060345	7.013092
LOC100140174	1	0	0	0	0	0	0	0.069346	0	0	0	0	0.013869	#DIV/0!
LOC100140195	1	0	0	0	0	0	0	0	0.052759	0	0	0	0.010552	#DIV/0!
LOC100140204	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140207	1	0.130165	0.787476	2.883353	3.86467	0.302763	0.194627	0.098783	0.072086	0.384516	0.092733	1.593685	0.168549	0.105761
LOC100140216	1	0	0	0	0	0	0	0.020034	0	0	0	0	0.004007	#DIV/0!
LOC100140223	1	0.023374	0	0	0	0	0	0.049668	0	0	0	0.004675	0.009934	2.12495
LOC100140224	1	0	0	0	0	0	0	0	0	0	0.082375	0	0.016475	#DIV/0!
LOC100140226	0.139645	0.015534	0.008771	0.033926	0	0.042155	1.178788	0.990283	3.312154	5.420678	1.588119	0.020077	2.498004	124.4192
LOC100140227	1	0	0	0	0	0	0.041349	0	0.04084	1.143681	1.523572	0	0.549888	#DIV/0!
LOC100140258	1	0.029658	0.016746	0.048579	0.017764	0	0.077605	0.063022	0.019162	0.728274	0.751846	0.022549	0.327982	14.54507
LOC100140261	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140262	1	0	0.00484	0	0	0	0	0	0	0	0.042748	0.000968	0.00855	8.831976
LOC100140270	1	0	0	0	0	0	0.144965	0.029431	0.107385	0	0.023024	0	0.060961	#DIV/0!
LOC100140283	1	0.004043	0	0	0	0	0	0	0	0	0	0.000809	0	0
LOC100140314	1	0	0.012113	0	0	0	0	0	0	0	0	0.002423	0	0
LOC100140332	1	0.004121	0.001862	0.0027	0.000494	0.002237	0	0	0	0.031959	0.000685	0.002283	0.006529	2.860039
LOC100140342	1	0	0	0	0	0	0.673965	0.456096	0.610193	0.11096	0.178401	0	0.405923	#DIV/0!
LOC100140346	1	0	0	0.047777	0	0	0	0	0.056538	0	1.000061	0.009555	0.21132	22.11515
LOC100140352	1	0	0	0	0.030713	0	0	0	0	0	0	0.006143	0	0
LOC100140356	1	0.041231	0	0.270143	0.246954	0	0	0	0.21312	0	0	0.111666	0.042624	0.381711

LOC100140361	1	0.002524	0.004275	0	0	0	0.231138	0.203792	0.257644	0	0	0.00136	0.138515	101.8638
LOC100140372	1.11E-09	0.018216	0	0	0	0	3.813249	3.561179	2.589327	3.861013	4.451361	0.003643	3.655226	1003.291
LOC100140382	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140395	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140396	1	0.002455	0.00693	0	0.00147	0	0	0	0	0	0	0.002171	0	0
LOC100140403	1	0.050897	0.172434	0.018526	0.020323	0.43737	0	0	0	0	0	0.13991	0	0
LOC100140412	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140415	1	0	0.010688	0	0	0	0	0.010055	0.024459	0	0.03933	0.002138	0.014769	6.909335
LOC100140425	1	0.002734	0	0.002985	0.004912	0	0	0.002904	0.003532	0.04946	0.031809	0.002126	0.017541	8.250512
LOC100140426	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140427	1	0.007319	0	0	0	0	0	0	0	0	0	0.001464	0	0
LOC100140428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140431	0.20212	15.34011	15.8094	17.12867	17.46663	36.43309	4.766476	6.630497	4.794964	5.013647	6.028127	20.43558	5.446742	0.266532
LOC100140445	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140446	1	0	0.057556	0	0	0	0	0	0	0.131737	0	0.011511	0.026347	2.288857
LOC100140449	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140451	1	0	0.00676	0	0	0	0	0	0	0.046418	0.009951	0.001352	0.011274	8.338566
LOC100140461	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140487	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140490	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140493	0.177876	0.021855	0	0	0	0	0.1525	0.433451	0.451868	0.414272	0.084771	0.004371	0.307372	70.3203
LOC100140501	1	0.012708	0.00205	0.01586	0	0	0	0	0	0	0.006036	0.006124	0.001207	0.197132
LOC100140503	1	0	0.008696	0	0	0	0	0	0	0.238845	0	0.001739	0.047769	27.46628
LOC100140504	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140514	1	0.009612	0	0	0	0	0	0.040848	0.049681	0	0	0.001922	0.018106	9.418785
LOC100140517	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140523	1	0	0	0	0.009139	0	0	0	0	0	0	0.001828	0	0
LOC100140530	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140533	1	0.024171	0.054593	0	0	0	3.288866	6.882534	5.684644	0	0	0.015753	3.171209	201.3109
LOC100140550	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140559	1	0	0	0	0	0	0.14561	0.236494	0.359542	0.143838	0.370016	0	0.2511	#DIV/0!
LOC100140566	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140567	5.45E-11	0.126258	0	0.034468	0	0	11.39793	8.082294	7.178747	8.077265	7.345903	0.032145	8.416428	261.8256
LOC100140586	0.011283	2.84521	2.233677	3.134167	3.752075	2.87843	0	0.026517	0.096754	0.516095	0.124465	2.968712	0.152766	0.051459
LOC100140587	1	0.005862	0	0.006401	0	0	0	0	0	0	0	0.002453	0	0
LOC100140590	1	0	0	0	0.002604	0	0	0	0	0	0	0.000521	0	0
LOC100140593	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140613	1	0	0	0.03739	0	0	0	0	0	0.044253	0	0.007478	0.008851	1.183546
LOC100140614	1	0.01665	0.018803	0.072725	0	0	0.043567	0.07076	0.064545	0.817694	0.830322	0.021635	0.365377	16.88794
LOC100140640	1	0	0	0	0.049554	0	0	0	0	0	0	0.009911	0	0
LOC100140642	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140644	0.045269	0	0.077976	0	0	0	0.361347	0.586889	2.081905	1.189833	2.295595	0.015595	1.303114	83.55908
LOC100140646	1	0	0	0	0	0	0	0	0	0.12544	0	0	0.025088	#DIV/0!
LOC100140659	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140668	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140683	1	0.010629	0	0	0	0	0	0	0	0	0	0.002126	0	0

LOC100140695	1	0.006204	0	0	0.022297	0	0	0	0	0.032075	0	0.0057	0.006415	1.12538
LOC100140698	1	0.002033	0.004592	0.00444	0.007307	0	0	0	0	0	0	0.003675	0	0
LOC100140718	1	0.02683	0	0	0	0	0	0	0	0	0	0.005366	0	0
LOC100140723	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140729	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140741	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140742	1	0	0	0.04676	0	0	0.03735	0.007583	0.03689	0.258268	0.112708	0.009352	0.09056	9.683374
LOC100140748	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140787	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140788	1	0	0	0.037102	0	0	0	0	0.131718	0	0.056481	0.00742	0.03764	5.072434
LOC100140789	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140821	1	0.002996	0	0.010904	0.001196	0	0	0	0.002581	0.025811	0.018259	0.003019	0.00933	3.090305
LOC100140839	1.29E-06	0.031146	0	0	0	0	7.334814	4.632819	4.185708	0.966073	3.93487	0.006229	4.210857	675.9924
LOC100140862	1	0	0.006227	0.012042	0	0	0	0	0	0	0	0.003654	0	0
LOC100140865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100140871	1	0.003824	0.002159	0.004176	0.004581	0	0	0	0	0	0	0.002948	0	0
LOC100140872	1	0.032493	0	0.023654	0	0	0	0	0.013996	0.839882	0.306079	0.011229	0.231991	20.6592
LOC100140873	1	0	0.064271	0.062147	0.170436	0.03861	2.978379	0.634907	0.404484	0.294213	0.118258	0.067093	0.886048	13.20635
LOC100140878	1	0.123966	0.139996	0	0	0	0.324378	0	0	0.32043	0	0.052792	0.128962	2.442807
LOC100140881	1	0.282034	0	0	0	0	0	0.054482	0	0	0.021311	0.056407	0.015159	0.268738
LOC100140902	1	0	0	0.040955	0	0	0	0	0	0	0	0.008191	0	0
LOC100140915	1	3.308498	3.935871	2.851658	2.322664	4.915351	0	0	0	0.177635	0.236639	3.466809	0.082855	0.023899
LOC100140939	1	0.00217	0	0	0.002599	0	0	0	0	0	0	0.000954	0	0
LOC100140947	0.515271	0	0	0	0	0	0.095517	0.542972	0.471702	0.754833	0.212382	0	0.415481	#DIV/0!
LOC100140955	1	0.001186	0.001339	0.005179	0.004971	0	0	0	0.001532	0	0	0.002535	0.000306	0.120883
LOC100140958	1	0.054322	0.00409	0	0	0	0.018952	0.007695	0.065516	0.355711	0.02408	0.011682	0.094391	8.079817
LOC100140966	1	0.001761	0.001989	0	0.004219	0.009557	0	0	0	0	0	0.003505	0	0
LOC100141012	1	0.034003	0.0128	0	0	0	0	0	0	0	0	0.009361	0	0
LOC100141014	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100141023	1	0.002723	0.004693	0.001252	0.002747	0.000389	0.003	0.005786	0.005185	0.005186	0.009767	0.002361	0.005785	2.450446
LOC100141025	0.056225	0	0	0	0	0	20.18858	11.50513	15.39227	0	0	0	9.417196	#DIV/0!
LOC100141036	1	0.007087	0	0.061912	0.016979	0	0	0	0	0.256465	0.164936	0.017196	0.08428	4.901249
LOC100141052	1	0	0	0	0	0	0	0.032739	0	0	0	0	0.006548	#DIV/0!
LOC100141064	1	0.016591	0	0.217403	0	0	0.086826	0	0	0.600382	0.441273	0.046799	0.225696	4.822693
LOC100141070	1	0	0.039423	0	0	0	0.182689	0	0	0.090233	0	0.007885	0.054584	6.922967
LOC100141071	2.96E-06	0	0	0	0	0	0.686753	0.623313	0.877796	0.798112	0.654429	0	0.728081	#DIV/0!
LOC100141072	0.653697	0.004531	0.005685	0.001099	0.002412	0.002732	0.034251	0.023535	0.044238	0.057257	0.057745	0.003292	0.043405	13.1847
LOC100141076	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100141080	0.003657	0	0	0.072983	0	0	1.573983	1.278206	1.468235	1.900345	6.888418	0.014597	2.621837	179.6186
LOC100141086	1	0.04519	0.071446	0.059216	0.021653	0	0	0.019205	0.023358	0.420507	0.25541	0.039501	0.143696	3.637784
LOC100141100	1	0.070446	0	0	0.016877	0	0	0	0	0.218508	0	0.017465	0.043702	2.502288
LOC100141101	1	0.028542	0.010744	0	0	0	0.049791	0.262821	0.319653	0.196738	0.316313	0.007857	0.229063	29.15276
LOC100141107	8.37E-09	0	0	0	0	0	27.2925	10.19806	3.142161	7.443043	5.850443	0	10.78524	#DIV/0!
LOC100141108	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100141117	1	0	0.418856	0	0	0	0	0.035824	0.087142	0	0	0.083771	0.024593	0.293577
LOC100141128	1	0	0	0	0	0	0.549964	0.031901	0.038799	0.776102	0.224605	0	0.324274	#DIV/0!

LOC100141145	1	0.072888	0	0.136444	0.016631	0	0	0	0	0	0	0.045193	0	0
LOC100141148	1	0.025529	0.035694	0	0.002912	0	0.006362	0.002583	0.009425	0.006285	0.002021	0.012827	0.005335	0.415931
LOC100141157	0.007394	0.040476	0.015237	0	0	0	0.211824	1.089454	1.290165	1.18573	1.211124	0.011143	0.99766	89.53619
LOC100141168	1	0.141077	0.059745	0.077027	0.211244	0.334982	0.184576	0.449672	0.546908	0.182329	1.934766	0.164815	0.65965	4.00237
LOC100141174	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100141181	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100141185	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100141189	1	0	0	0	0.047463	0	0	0	0	0	0	0.009493	0	0
LOC100141194	1	0.028673	0	0.062621	0	0	0	0	0	0	0	0.018259	0	0
LOC100141197	2.25E-10	0	0	0	0.002962	0	0.401169	0.651566	0.760505	0.728657	0.411061	0.000592	0.590592	996.8984
LOC100141203	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100141210	1	0.016532	0	0.018053	0	0	0	0	0	0	0	0.006917	0	0
LOC100141213	1	0	0.014102	0.054543	0.014958	0	0	0.026535	0.048409	0	0	0.016721	0.014989	0.896416
LOC100141216	1	0.249936	0	0	0	0	0	0	0	0	0	0.049987	0	0
LOC100141228	1	0	0	0	0	0.1573	0	0	0	0	0	0.03146	0	0
LOC100141230	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100141239	1	0.001798	0	0.001963	0.001077	0	0	0.00764	0.009292	0.060408	0.104595	0.000968	0.036387	37.60901
LOC100141242	0.518285	0.059038	0.03101	0.008996	0.011513	0.022355	0.409557	0.154627	0.15258	0.361986	0.675572	0.026582	0.350864	13.19923
LOC100141253	1	0.039769	0	0.021713	0	0	0	0	0	0	0	0.012296	0	0
LOC100141258	2.90E-09	3.070869	0.960054	1.761919	2.275729	1.9774	0	0	0	0	0.01442	2.009194	0.002884	0.001435
LOC100141260	1	0.022371	0.062494	0.046286	0.016925	0.01278	0	0.017514	0.015215	0.073041	0.015658	0.032171	0.024286	0.754887
LOC100141266	2.58E-11	2.16208	4.065017	0.918856	1.217973	4.662025	150.4572	173.5408	93.90479	37.03571	63.70297	2.60519	103.7283	39.81602
LOC100141277	1	0	0	0	0	0	0	0	0	0.137717	0.044284	0	0.0364	#DIV/0!
LOC100141283	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100141284	1	0	0	0	0	0	0	0.045662	0.166607	0	0	0	0.042454	#DIV/0!
LOC100141288	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100174924	1	1.163598	0.991307	6.219381	0.978152	1.523414	0.16025	0	0.290174	1.108096	0.746567	2.175171	0.461017	0.211945
LOC100190915	1	0.121363	0.102792	0.066263	0	0.164669	0	0	0	0.470551	0	0.091017	0.09411	1.033981
LOC100196897	0.002201	0.048909	0.165698	0.640886	0.556579	0.663609	0	0	0	0	0	0.415136	0	0
LOC100196898	1	0.916239	0.594506	0.456375	0.512674	1.314068	0.368035	0.149438	0.301189	0.799824	0.454256	0.758773	0.414548	0.546341
LOC100196899	1	0	0.06875	0	0.145851	0	0	0.064681	0	0	0	0.04292	0.012936	0.301403
LOC100196900	0.111316	0.114634	0.409947	0.166904	0.045773	1.399856	0	0	0	0	0.06352	0.427423	0.012704	0.029722
LOC100196901	1	0.998583	0.905939	1.916242	2.072072	3.220044	8.943088	4.252755	9.29729	3.823135	6.47322	1.822576	6.557898	3.598147
LOC100196902	1	0	0.015899	0	0	0	0	0	0	0	0	0.00318	0	0
LOC100271685	1	0	0.330581	0	0	0	0	0	0	0	0	0.066116	0	0
LOC100271850-MEF2	1	0.012648	0.002484	0.009608	0.002635	0	0.005756	0.007011	0.012791	0	0.002742	0.005475	0.00566	1.033806
LOC100294723	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100294726	1	0.080184	0.010061	0	0	0.024177	0.069938	0.179853	0.115128	0.046058	0.733109	0.022884	0.228817	9.998802
LOC100294743	1	0.100433	0	0	0	0	0	0	0	0	0	0.020087	0	0
LOC100294763	1	0	0	0.065627	0.287968	0	0	0	0	0	0	0.070719	0	0
LOC100294771	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100294792	1	1.952879	1.282572	0.756208	2.555026	0.037585	2.319445	7.622627	7.302195	10.52528	8.127354	1.316854	7.179381	5.451919
LOC100294814	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100294880	1	1.182013	1.03822	0	0.31465	27.08637	0	0.13954	0	0.339477	0	5.92425	0.095803	0.016171
LOC100294888	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100294910	1.55E-09	0	0	0	0	0	11.92033	9.132363	7.108557	7.99829	7.787162	0	8.789341	#DIV/0!

LOC100294923	1	0.065782	0	0	0	0	0	0	0	0	0	0.013156	0	0
LOC100294924	1	0.119623	0.180122	0	0	0	0	0	0	0	0	0.059949	0	0
LOC100294926	1	0.071907	0.09597	0	0.015661	0	0.102631	0.013891	0	0.91244	0.478136	0.036708	0.30142	8.21134
LOC100294934	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100294935	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100294936	0.119219	0.003952	0.004463	0	0	0	1.509873	1.469692	2.471849	0	0	0.001683	1.090283	647.7859
LOC100294937	1	0	0	0	0	0	0	0	0.135016	0	0.086843	0	0.044372	#DIV/0!
LOC100294952	1	0.003018	0.002807	0.002714	0.004041	0.010118	0.001858	0.002641	0.00413	0.011015	0.006788	0.00454	0.005286	1.164461
LOC100294956	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100294963	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100294980	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100294994	1	0.022279	0.010392	0.013751	0.015664	0.030228	0.010138	0	0.008762	0.025037	0.004831	0.018463	0.009754	0.528288
LOC100295015	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295043	1	0	0	0	0	0	0.642395	0	0.158621	1.269155	4.897269	0	1.393488	#DIV/0!
LOC100295063	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295066	3.53E-13	0	0	0	0	0	29.32076	9.641741	14.6838	13.87005	19.15182	0	17.33364	#DIV/0!
LOC100295070	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295083	1	0	0.287585	0	0	0	0	0	0	0	0	0.057517	0	0
LOC100295125	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295144	1	0.037788	0	0	0	0	0	0.160597	0	0.390706	0.251268	0.007558	0.160514	21.23851
LOC100295149	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295167	1	0.079244	0	0	0	0	0	0	0	0	0	0.015849	0	0
LOC100295221	1	0	0	0	0	0	0	2.104875	2.252824	0	0.13173	0	0.897886	#DIV/0!
LOC100295225	1	0.155471	0	0	0	0	0.650904	0.198221	0.160722	2.411184	0.568578	0.031094	0.797922	25.66146
LOC100295230	1	0	0	0	0	0	0	0.203614	0	0	0	0	0.040723	#DIV/0!
LOC100295231	1	0.278235	0	0	0	0	0	0	0	0	0	0.055647	0	0
LOC100295267	1	0	0	0	0	0.015486	0	0	0	0.32452	0.009487	0.003097	0.066801	21.56796
LOC100295271	1	0	0	0	0	0	0	0.167682	0	1.019857	0	0	0.237508	#DIV/0!
LOC100295281	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295296	1	2.057579	2.471953	0.19122	0.31465	0.2376	0.458212	0.093027	0	4.752675	1.455482	1.0546	1.351879	1.281887
LOC100295315	1	0.049036	0	0	0	0	0	0	0	0	0	0.009807	0	0
LOC100295347	1	0	0.27846	0	0	1.226732	0	0.087327	0	0	0	0.301038	0.017465	0.058017
LOC100295358	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295371	1	0	0.028565	0	0	0.03432	0	0	0	0	0	0.012577	0	0
LOC100295375	1	0	0	0.005429	0	0	0	0	0	0	0	0.001086	0	0
LOC100295381	1	0	0	1.144652	1.255674	0.711141	0	0	0	0.903166	0	0.622294	0.180633	0.29027
LOC100295452	1	0.038825	0.035874	0	0	0	0	0	0	0.182466	0.08801	0.01494	0.054095	3.620879
LOC100295469	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295495	0.009461	0.063881	0	0.139513	0	0	60.84403	0.678715	2.476435	4.95359	4.247631	0.040679	14.64008	359.8961
LOC100295504	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295528	1	0.176623	0	0	0	0	1.848649	0.500419	0.608628	2.434868	2.055241	0.035325	1.489561	42.16788
LOC100295548	1	0.14689	0	0	0	0.626387	0	0	0	0	0	0.154655	0	0
LOC100295549	1	0.061375	0	0	0	0	0	0	0	0	0	0.012275	0	0
LOC100295551	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295562	1	0	0.067118	0.259599	0.142389	0	0.622066	0	0.460805	4.301472	8.990595	0.093821	2.874988	30.6432

LOC100295568	1	0.640817	0.334006	0.107655	0.354291	0.133767	0.51594	0.628479	0.254793	4.841776	1.474965	0.314107	1.543191	4.912941
LOC100295585	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295631	1	0.073535	0.066435	0	0.017617	0	0	0	0	0	0	0.031518	0	0
LOC100295645	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295687	1	0.913171	0.807812	0.265911	0.291702	1.362925	1.194731	0.388088	0.472008	5.979633	6.780376	0.728304	2.962967	4.068311
LOC100295703	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295712	1	0.005384	0.036484	0.658525	0.515998	0.014612	0	0	0	0.027836	0	0.246201	0.005567	0.022612
LOC100295715	1	0.001897	0.006428	0.016574	0.020454	0	0.029787	0.032252	0.034323	0.235394	0.469926	0.009071	0.160337	17.67635
LOC100295719	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295728	1	0.070738	0	0	0	0	0	0	0	0.548533	0.764334	0.014148	0.262573	18.55963
LOC100295734	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295735	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295742	1	0	0.047877	0	0	0	0	0	0.109567	0.438331	0.140948	0.009575	0.137769	14.38794
LOC100295750	1	0.0491	0	0	0	0	0.256958	0.469511	0.317243	0	0	0.00982	0.208742	21.25671
LOC100295757	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295775	1	0.500823	0.161595	0	0	5.824587	0.374425	0.228048	0.277361	0	0	1.297401	0.175967	0.13563
LOC100295782	1	0.01282	0.005791	0.011199	0.006143	0	0.187851	0.054482	0.053011	0.026509	0.012786	0.00719	0.066928	9.307868
LOC100295797	1	0.012552	0.02835	0	0	0.212887	0	0	0	0	0	0.050758	0	0
LOC100295803	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295806	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295823	1	0	0	0	0.135732	0	0	0	0	0	0	0.027146	0	0
LOC100295831	0.067491	0.025905	0.117017	0	0.031031	0.21089	2.169081	1.155968	1.004237	6.294134	4.866028	0.076969	3.09789	40.24874
LOC100295832	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295842	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295848	1	0	0	0.091931	0.100848	0	0	0.014908	0	0.181342	0.023325	0.038556	0.043915	1.138993
LOC100295855	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295869	1	0	0	0	0.037747	0	0.16491	0.468723	0.407199	0	0.052383	0.007549	0.218643	28.96127
LOC100295873	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100295881	1	0	0.073389	0	0.155692	0	0.340092	1.795189	1.67952	1.007858	6.481679	0.045816	2.260868	49.3465
LOC100295883	1	0	0	0	0.029038	0.032891	0	0	0	0	0.010074	0.012386	0.002015	0.162672
LOC100295884	1	0.008051	0	0	0	0	0	0	0	0	0	0.00161	0	0
LOC100295922	1	0.786359	0.059203	0.400721	0.486687	0.320088	1.165995	0.473443	1.693584	4.945985	4.204799	0.410612	2.496761	6.080589
LOC100295935	2.34E-06	0	0	0	0	0	1.861046	1.983614	1.723247	3.676795	2.179864	0	2.284913	#DIV/0!
LOC100295951	1	0.165379	0.151746	0	0	0.056098	0.216371	0.571062	0.48084	0.160303	0	0.074645	0.285715	3.827675
LOC100295971	2.31E-17	0.051314	0	0	0.061469	0	57.19952	40.45362	68.29817	32.09818	19.61918	0.022556	43.53373	1929.987
LOC100295994	1	0.008752	0.009883	0	0.015725	0.011874	0.183199	0.046492	0.090472	0.656016	0.341879	0.009247	0.263612	28.50815
LOC100295995	0.000834	0	0	0	0	0	0.103787	0.337136	0.461292	0	0	0	0.180443	#DIV/0!
LOC100296035	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296081	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296082	1	0.083471	0.188528	0.789951	0.666593	0	0	0	0	0.143838	0	0.345708	0.028768	0.083213
LOC100296100	1	0.003346	0.001889	0.003654	0.00334	0	0	0	0	0	0	0.002446	0	0
LOC100296102	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296105	2.03E-07	0.182339	11.11947	33.25141	19.5488	18.18416	0	0	0	0	0	16.45724	0	0
LOC100296113	0.58185	0	0	0	0	0	7.507997	8.776158	7.527902	0	0	0	4.762411	#DIV/0!
LOC100296119	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296121	0.065871	2.74294	3.348846	3.415972	2.439587	3.254948	0.312059	0.287532	0.711268	1.102626	0.465118	3.040458	0.57572	0.189353

LOC100296123	1	0	0	0	0	0	0	0.052305	0	0	0.16367	0	0.043195	#DIV/0!
LOC100296156	1	0.098977	0	0	0	0	0	0	0	0.127919	0	0.019795	0.025584	1.29241
LOC100296162	1	0.005839	0.002501	0.005277	0.003135	0	0.067436	0.116801	0.053597	0.039553	0.001339	0.00335	0.055745	16.63817
LOC100296163	1	0.00986	0.002784	0.012561	0.007874	0	0.0043	0.00873	0.002123	0.01699	0.031414	0.006616	0.012711	1.921437
LOC100296164	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296181	1	0.785908	0.365454	0	0	0	2.11694	0.687653	1.493481	0	0	0.230272	0.859615	3.733037
LOC100296195	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296199	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296205	1	0.397479	0.112219	0	0	0.269657	0	0	0	0	0	0.155871	0	0
LOC100296211	1	5.274563	5.539597	5.721483	6.840765	12.93132	5.180865	4.937822	3.208452	3.702598	3.862825	7.261546	4.178512	0.57543
LOC100296227	1	0.211021	0.079436	0	0	0	0	0	0	1.090903	0	0.058091	0.218181	3.755816
LOC100296234	1	0.021712	0	0	0	0	0	0	0	0	0	0.004342	0	0
LOC100296245	0.92218	0.634489	0.777949	0.316731	0.608041	0.098388	0	0	0	0	0	0.48712	0	0
LOC100296252	1	0.08026	0	0.35057	0	0.435599	0	0	0	0	0	0.173286	0	0
LOC100296255	1	0	0	0	0.089099	0	0	0	0.38446	0	0	0.01782	0.076892	4.314979
LOC100296257	1	0.066836	0.264173	0.243278	0.10675	0.060457	0	0	0	0.115172	0.018517	0.148299	0.026738	0.180298
LOC100296272	1	0	0	0	0.060804	0.068872	0	0	0	0	0	0.025935	0	0
LOC100296277	0.565865	0.11246	0	0	0	0	5.002606	24.73366	31.68057	0	0	0.022492	12.28337	546.1199
LOC100296298	0.946752	0	0	0	0	0	0.95116	0.901158	0.626298	1.565974	0.80568	0	0.970054	#DIV/0!
LOC100296311	1	0.292798	0.047237	0.274054	0.150317	0	0.437802	0.088883	0	22.2724	44.77893	0.152881	13.5156	88.40595
LOC100296313	1	0	0	0.016687	0	0	0	0	0	0	0.012701	0.003337	0.00254	0.761155
LOC100296324	1	0.184806	0.208702	0.454059	0.166033	0.752253	0.483574	0.196351	0.119405	0	0.153604	0.353171	0.190587	0.539646
LOC100296344	1	0	0	0	0	0	0	0.258307	0	0	0.656733	0	0.183008	#DIV/0!
LOC100296365	1	0	0.001838	0.004739	0.003899	0	0	0	0	0.005608	0.003607	0.002095	0.001843	0.879732
LOC100296379	1	0.032719	0	0	0	0	0	0	0	0	0	0.006544	0	0
LOC100296401	1	0.463725	0.567329	0	0	0.838932	0	0	0	0	0	0.373997	0	0
LOC100296410	1	0.017536	0	0	0	0	0	0	0	0	0	0.003507	0	0
LOC100296412	1	0	0	0	0	0	0	0.111321	0.067696	0	0	0	0.035803	#DIV/0!
LOC100296421	1	0	0	0.01727	0	0	0	0	0	0	0	0.003454	0	0
LOC100296434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296458	7.89E-08	0.001096	0	0.004786	0	0	0.917494	0.246808	0.263363	0.096297	0.61748	0.001176	0.428289	364.0786
LOC100296475	1	0.09367	0.105782	0	0	0	0	0	0	0	0	0.039891	0	0
LOC100296505	1	0.047547	0	0	0	0	0	0	0	0	0	0.009509	0	0
LOC100296529	1	0	0.970598	0	0.038131	0	0	0	0	0	0	0.201746	0	0
LOC100296537	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296562	1	0.009835	0.004887	0.000859	0.000942	0.003203	0	0	0.00305	0.010168	0.005231	0.003945	0.00369	0.935326
LOC100296565	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296586	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296599	1	0.275514	0.103713	0	0	0	0.720928	0.195151	0.23735	0.237385	0.381664	0.075845	0.354496	4.673918
LOC100296618	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296624	1	0	0	0	0.024204	0	0	0	0	0	0	0.004841	0	0
LOC100296627	1	1.868494	2.471244	2.274826	1.882544	4.810137	13.48421	2.514299	2.550288	2.715979	1.321405	2.661449	4.517236	1.697285
LOC100296631	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296637	1	0.268524	0.303246	0	0	0.857277	0	0.033565	0.163291	0	0	0.285809	0.039371	0.137753
LOC100296640	1	0.005501	0.005177	0.002002	0.001647	0	0.004798	0.017533	0.010662	0.061613	0.05334	0.002865	0.029589	10.32645
LOC100296670	1	0	0	0	0	0	0	0	0	0	0.028642	0	0.005728	#DIV/0!

LOC100296742	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296752	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296765	1	0.028542	0	0	0	0	0	0	0	0	0	0.005708	0	0
LOC100296778	1	0	0	0	0	0	0.083364	0.084623	0	0	0	0	0.033598	#DIV/0!
LOC100296799	5.23E-05	0.060195	0	0	0	0	7.245479	2.174497	4.044843	4.356619	6.103928	0.012039	4.785073	397.4635
LOC100296800	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296806	1	0	0.06496	0	0	0	0	0	0	0	0	0.012992	0	0
LOC100296808	1	0	0	0	0.004871	0	0	0	0	0	0	0.000974	0	0
LOC100296832	1	0.094061	0	0.273901	0.037558	0.085084	0.492253	0.13325	0	0.810437	0.104241	0.098121	0.308036	3.139353
LOC100296891	1	0.012842	0	0	0	0	0	0	0	0	0	0.002568	0	0
LOC100296895	1	0	0.012535	0	0	0	0	0	0	0	0	0.002507	0	0
LOC100296900	1	0.305263	0.397771	1.134148	0.871988	0.749956	0.070897	0.042221	0.37346	0.555602	0.591523	0.691825	0.326741	0.472288
LOC100296901	1	0	0	0	0	0	0	0.016398	0.039888	0.95744	0.25656	0	0.254057	#DIV/0!
LOC100296918	1	0	0	0	0	0	0.016631	0	0.004106	0.024642	0	0	0.009076	#DIV/0!
LOC100296928	1	0.004611	0	0	0.005524	0	0	0	0	0	0.026828	0.002027	0.005366	2.647156
LOC100296952	1	0.287672	0.13923	0	0.836887	0.557605	1.505483	0.87327	1.168314	5.098837	0.614838	0.364279	1.852148	5.084422
LOC100296953	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296974	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100296997	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297044	1	0.020616	0	0	0.049391	0	0	0.350458	0.21312	0	0	0.014001	0.112716	8.050377
LOC100297056	1	0.564207	0.332138	0.760297	0.81247	1.270464	0.376938	0.510175	0.356784	0.37235	1.097542	0.747915	0.542758	0.725695
LOC100297059	1	0	0	0	0	0	0	0	0	0.32043	0	0	0.064086	#DIV/0!
LOC100297075	1	0	0	0	0	0	0	0	0	1.283132	0	0	0.256626	#DIV/0!
LOC100297080	1	0.224249	0	0.122438	0	0	0	0	0	0	0.046597	0.069337	0.009319	0.134407
LOC100297097	1	3.255353	3.825126	2.691272	1.933996	4.631568	2.345081	3.192674	5.739419	4.769351	5.816796	3.267463	4.372664	1.338244
LOC100297099	1	1.083709	0.484917	0.078148	0.538862	1.428799	0	0	0	0	0	0.722887	0	0
LOC100297110	1	0.004663	0.004149	0.002778	0.001693	0.000767	0.00074	0.001802	0.00073	0.010958	0.002114	0.00281	0.003269	1.163277
LOC100297121	1	0.51738	0.116856	0	0.495813	0.982799	0	0	0	0	0.172012	0.422569	0.034402	0.081412
LOC100297123	1	0	0	0	0	0	0	0	0	0.06053	0.038928	0	0.019892	#DIV/0!
LOC100297130	1	0.002002	0	0.004372	0.028778	0	0	0	0	0.217343	0.04992	0.007031	0.053453	7.602927
LOC100297150	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297152	0.523366	0.290173	0.184056	0.206833	0.329129	0.249529	1.143972	0.753497	0.809704	1.949834	0.984867	0.251944	1.128375	4.478672
LOC100297170	1	0.07034	0.119154	0	0.252781	0.381761	0	0	0	1.090903	0.058465	0.164807	0.229873	1.394802
LOC100297192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297222	1	0.021281	0	0	0	0	0.055686	0	0	0	0	0.004256	0.011137	2.616664
LOC100297233	1	0.072794	0.164414	0	0	0	0	0	0	0	0	0.047442	0	0
LOC100297235	1	0	0	0	0	0	0.176141	0	0.260958	1.913968	11.19	0	2.708212	#DIV/0!
LOC100297236	1	0.014986	0.027079	0	0	0	0	0	0	0	0	0.008413	0	0
LOC100297240	1.22E-05	2.409066	1.739686	4.044405	5.516403	25.7494	298.2043	333.1274	128.6726	118.1012	139.9455	7.891792	203.6102	25.80025
LOC100297263	1	0	0	0	0	0.098706	0	0	0	0	0	0.019741	0	0
LOC100297276	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297284	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297286	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297302	1	0.181458	0	0	0	0	6.409989	5.687432	3.282771	0	0	0.036292	3.076039	84.75907
LOC100297334	1	0.031886	0	0	0	0.043264	0	0	0	0	0	0.01503	0	0
LOC100297358	1	0	0	0	0	0	0	0.070697	0.300945	0	0	0	0.074328	#DIV/0!

LOC100297381	1	0	0.05671	0.219341	0	0	0	0	0	1.0384	0	0.05521	0.20768	3.761633
LOC100297399	1	0.006738	0.005073	0.019621	0.016143	0.018285	0.082278	0.009545	0.017414	0.011611	0.003734	0.013172	0.024916	1.891649
LOC100297402	1	0	0	0	0	0	0	0	0	0	0.074334	0	0.014867	#DIV/0!
LOC100297420	1	0.039622	0.011186	0	0	0.349444	1.451488	6.819794	7.270477	0	0	0.080051	3.108352	38.82984
LOC100297441	1	0	0	0	0	0	8.364809	2.886992	4.337449	1.652602	0	0	3.44837	#DIV/0!
LOC100297447	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297470	0.001031	0.004574	0.003757	0.005903	0.004483	0	0.067464	0.081738	0.101562	0.073092	0.07604	0.003744	0.079979	21.36456
LOC100297498	1	2.509887	3.078778	0.189017	0.518376	0.822018	0.452933	0.091955	0	2.684526	6.618083	1.423615	1.9695	1.383449
LOC100297500	1	0	0	0	0.041547	0.094118	0	0	0	1.434391	2.104401	0.027133	0.707758	26.08477
LOC100297504	1	0.119647	0.088671	0.216393	0.192593	0.253659	0.714206	0.337668	0.531475	0.164298	0.121201	0.174193	0.37377	2.145725
LOC100297506	1	0.040476	0	0	0	0	0	0.08601	0.104608	0	0	0.008095	0.038124	4.709393
LOC100297513	1	1.227093	1.434851	0.635295	0.536704	1.61506	0.104988	0.01421	0.077772	1.106246	0.072256	1.089801	0.275094	0.252426
LOC100297515	0.03157	0.047748	0.017974	0	0.038131	0	2.74869	0.270566	0.246804	2.550679	3.069094	0.020771	1.777166	85.56131
LOC100297540	1	0.231204	0.321354	1.087564	0.404785	0.19305	1.768412	1.398307	1.424888	0.919416	0.709547	0.447591	1.244114	2.779576
LOC100297586	8.98E-15	0.419216	0.094685	0	0.100435	0	142.6032	90.86293	40.629	44.64423	19.51256	0.122867	67.65038	550.5976
LOC100297608	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297609	1	0.082493	0.015527	0	0	0	0.287808	0.029216	0.106599	0	0	0.019604	0.084725	4.321822
LOC100297616	1	0.005619	0.005464	0.003068	0.00187	0.000847	0.00245	0.001658	0.004034	0.118611	0.141924	0.003374	0.053736	15.92853
LOC100297630	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297633	1	0.005427	0.00715	0.003951	0.008668	0	0	0.003844	0	0.018704	0.003007	0.005039	0.005111	1.014248
LOC100297676	1	1.208933	0.778435	0.856927	0.635164	0.532386	0.221991	0.112672	0.082222	0.849746	0.035257	0.802369	0.260378	0.324511
LOC100297684	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297708	1	0	0	0	0	0	0	0	0	0.054392	0	0	0.010878	#DIV/0!
LOC100297725	2.96E-09	0.042204	0.047661	0.184345	0.101112	0.057264	14.13559	6.591616	11.39828	6.872688	4.946104	0.086517	8.788854	101.5848
LOC100297728	1	0.003664	0.005689	0.001	0.007132	0.001243	0.004794	0.009732	0.017755	0.05209	0.036545	0.003746	0.024183	6.456101
LOC100297732	1	0	0	0	0	0	1.289849	0.733226	0.254793	0.25483	0.163885	0	0.539317	#DIV/0!
LOC100297751	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297763	1	0.005381	0	0	0.006446	0	0.028162	0.011435	0	0	0.035782	0.002366	0.015076	6.373198
LOC100297770	1	0	0	0	0	0	0.14561	0.177371	0.287633	0	0.323764	0	0.186876	#DIV/0!
LOC100297776	0.1133	0.300014	0	0	0	0	4.082187	2.422556	1.395665	3.412121	6.38366	0.060003	3.539238	58.98453
LOC100297779	1	0.64335	0.58682	0	0.059282	0.470034	0	0	0	0	0	0.351897	0	0
LOC100297814	1	0.014858	0	0	0	0	0	0	0	0	0	0.002972	0	0
LOC100297820	1	0	0	0	0.023394	0	0.102204	0.013833	0.100946	0	0.183966	0.004679	0.08019	17.13877
LOC100297846	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100297889	1	0.002848	0	0	0	0	0	0	0	0	0	0.00057	0	0
LOC100297915	2.32E-12	0.003515	0.007939	0.015353	0	0	1.526816	4.339658	1.853224	1.253834	1.47248	0.005362	2.089203	389.6661
LOC100297954	1	0.034178	0	0.074644	0	0	0	0	0	2.120263	1.420386	0.021764	0.70813	32.5362
LOC100297996	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298021	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298058	1	0.094853	0	0	0.056812	0	0	0	0	0	0	0.030333	0	0
LOC100298064	1	0	0	0.023438	0.038567	0	0	0.04561	0	0.05548	0.05352	0.012401	0.030922	2.493498
LOC100298070	1	0.039706	0	0.086716	0.190254	0	0	0	0	0	0	0.063335	0	0
LOC100298078	2.07E-05	0	0	0	0	0	3.138139	2.395525	2.076663	0.185997	1.275917	0	1.814448	#DIV/0!
LOC100298101	0.109386	0.145501	0	0.024444	0.080444	0	0.702883	1.022683	0.98349	3.81881	1.711709	0.050078	1.647915	32.90707
LOC100298103	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298118	1	0	0	0	0.03759	0	0	0	0	0	0	0.007518	0	0

LOC100298119	1	0	0	0	0	0	0.605461	0.65558	0.897008	0	0.032053	0	0.438021	#DIV/0!
LOC100298153	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298159	1	0.030992	0.034999	0	0.037125	0	0	0	0	0.160215	0	0.020623	0.032043	1.553751
LOC100298165	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298208	1	0.027484	0	0	0.032923	0	0	0.058403	0.071031	0.473611	0.776695	0.012081	0.275948	22.84059
LOC100298274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298280	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298309	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298320	1	0.183726	0.023054	0	0	0	0	0.130136	0.422071	1.05533	0.203609	0.041356	0.362229	8.758821
LOC100298322	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298331	1	0	0	0.006341	0	0.00788	0.075979	0.067871	0.037522	0.075054	0.004827	0.002844	0.052251	18.37088
LOC100298356	0.001098	1.09455	0.256261	0.306095	0.255835	0.869341	0	0	0	0	0	0.556416	0	0
LOC100298410	0.021978	0.212042	0.068417	0	0	0.164404	175.806	75.76164	57.69773	0	0	0.088973	61.85308	695.1922
LOC100298434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298453	0.896554	0.140287	0.23764	0.15319	0.147042	0.214139	0	0	0	0	0	0.17846	0	0
LOC100298530	1	0.00356	0	0.015551	0.021325	0	0	0	0	0.018406	0.005919	0.008087	0.004865	0.601544
LOC100298573	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298589	1	0	0	0	0	0	0.796487	0	0	0	0	0	0.159297	#DIV/0!
LOC100298605	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298625	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298643	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298658	1	0	0	0	0	0	0	0	0	0	0.032319	0	0.006464	#DIV/0!
LOC100298718	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298725	1	0	0	0.017841	0	0	0	0	0	0	0	0.003568	0	0
LOC100298726	1	0	0	0	0	0	0	0	0	0	0.176884	0	0.035377	#DIV/0!
LOC100298767	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298769	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298773	1	0	0	0	0	0	0	0	0	0	0.047957	0	0.009591	#DIV/0!
LOC100298774	1	0.003282	0.003706	0.01075	0	0	0.034348	0.034867	0.050887	0.093307	0.054552	0.003548	0.053592	15.10651
LOC100298804	1	0.019937	0.04503	0	0	0	0	0	0	0.412273	0.066285	0.012994	0.095712	7.366088
LOC100298808	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298811	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298821	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298823	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298838	1	0	0	0	0	0.136636	0	0.053497	0.260258	0.130148	0	0.027327	0.08878	3.248802
LOC100298846	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298850	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298854	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298860	1	0	0	0	0	0	0	0	0.322415	0.117259	0.169674	0	0.12187	#DIV/0!
LOC100298868	1	0.100557	0.052412	0.194272	0.176051	0.230896	0.101201	0.04931	0	0.039988	0.032146	0.150838	0.044529	0.295212
LOC100298871	0.052553	0.008703	0.009828	0.019007	0.010425	0	2.413895	0.092466	0.067477	0.809836	1.461181	0.009593	0.968971	101.0121
LOC100298873	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100298874	1	0.043474	0	0	0	0	0	0	0	0.224746	0	0.008695	0.044949	5.169638
LOC100298880	1	0	0	0	0	0	0	0	0	0	0.106735	0	0.021347	#DIV/0!
LOC100298890	1	4.446828	8.497427	4.181058	7.591092	17.88712	10.20911	4.943495	4.759867	2.38028	3.504707	8.520705	5.159493	0.605524
LOC100298923	1	3.647233	3.808591	2.627552	2.842685	5.20577	0.545348	1.1273	1.126231	0.85704	2.204697	3.626366	1.172123	0.323222

LOC100298937	1	0	0.021979	0.042504	0	0	0	0	0	0.100612	0.226467	0.012897	0.065416	5.072327
LOC100298992	1	0.045919	0	0	0.027503	0	0	0	0	0	0	0.014684	0	0
LOC100299023	1	0.085562	0	0	0	0	0	0	0	0	0	0.017112	0	0
LOC100299025	1	2.311493	2.177683	2.455515	2.151935	1.619294	2.794098	3.01649	3.668767	7.013885	5.105894	2.143184	4.319827	2.015612
LOC100299045	1	0.059955	0	0	0.008977	0	0.196102	0.063701	0.193688	0	0.137039	0.013786	0.118106	8.566802
LOC100299076	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299084	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299102	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299117	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299139	1.06E-07	3.123128	3.622076	1.977263	1.984085	0.342815	48.51886	77.02803	23.76119	26.34066	38.18511	2.209873	42.76677	19.35259
LOC100299192	1	0	0.05276	0	0	0	0	0	0	0.241518	0	0.010552	0.048304	4.577713
LOC100299201	1	0.488722	0.15769	0	0.250901	0	0.365377	0.370896	0.09022	1.804653	1.334688	0.179463	0.793167	4.419674
LOC100299242	0.434655	0.303524	0.22429	0.27079	0.213718	0.121799	0.005872	0.019075	0.066699	0.023203	0.019585	0.226824	0.026887	0.118537
LOC100299247	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299268	1	0	0	0	0	0	0	0	0	0	0.028616	0	0.005723	#DIV/0!
LOC100299274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299275	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299277	1	0.431156	0.519918	0	0	0.932047	0	0	0	0	0	0.376624	0	0
LOC100299281	8.73E-18	11.20644	16.00693	10.4135	16.99398	26.19861	0	0	0.064183	0	0.041283	16.16389	0.021093	0.001305
LOC100299303	1	1.063799	1.539917	0.549142	0.150601	0	19.33339	6.16505	3.824064	4.449558	3.440319	0.660692	7.442476	11.26467
LOC100299320	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299372	1	0	0	0	0	0	0	0.207856	0	0	0	0	0.041571	#DIV/0!
LOC100299465	1	0	0	0	0	0	0	0	0	0.104063	0.066924	0	0.034197	#DIV/0!
LOC100299481	1	0	0	0	0.076522	0	0	0	0	0	0.053095	0.015304	0.010619	0.693857
LOC100299503	1	0.131443	0.078586	0.016886	0.032417	0	0.182087	0.550404	0.559517	1.099212	0.713345	0.051866	0.620913	11.9714
LOC100299529	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299556	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299601	1	0.098587	0	0	0	0	0	0	0	0.25483	0	0.019717	0.050966	2.584819
LOC100299628	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299671	1	0.377505	0.213159	0.103057	0.028263	0.960398	0	3.008173	1.768348	0	0.862867	0.336477	1.127878	3.352024
LOC100299686	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299705	1.83E-08	0.012054	0	0	0.02888	0	1.103988	2.356595	1.729054	2.118788	1.172256	0.008187	1.696136	207.1771
LOC100299712	1.06E-16	2.260124	2.983493	2.706656	1.607201	1.824205	0.072387	0.011757	0.00715	0.157312	0.013796	2.276336	0.05248	0.023055
LOC100299715	0.000103	0.01289	0	0	0.030882	0	1.551537	2.711691	0.333137	0.999558	2.721312	0.008754	1.663447	190.0124
LOC100299722	1	0.007431	0.007553	0.006492	0	0	0	0.007895	0.007682	0.015367	0.009883	0.004295	0.008165	1.901056
LOC100299725	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299728	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299732	1	0.016232	0	0	0	0	0	0	0	0.125873	0.040475	0.003246	0.03327	10.24796
LOC100299740	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299745	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299757	0.4138	0.11937	0.17974	1.477297	0.786459	0.161965	4.268799	4.988553	4.370487	7.096647	13.69186	0.544966	6.88327	12.63063
LOC100299761	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299764	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299770	0.000431	3.693658	3.256328	2.507815	2.177917	1.713841	11.28425	21.87914	18.35018	21.30447	14.53897	2.669912	17.4714	6.543813
LOC100299783	1	0	0	0	0	0	0	0.02071	0	0.050384	0	0	0.014219	#DIV/0!
LOC100299805	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC100299808	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299844	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299845	1.55E-06	0.056854	0.10701	0.165557	0.136211	0.668564	11.10806	4.590878	8.473354	27.92205	27.34514	0.226839	15.8879	70.04037
LOC100299850	1	0.014955	0.013994	0.019597	0.014844	0.003479	0	0.000908	0.001104	0.002209	0.00071	0.013374	0.000986	0.07375
LOC100299869	2.28E-14	0.080691	0	0	0.04833	0	25.86487	7.158654	12.66892	20.54436	11.43507	0.025804	15.53437	602.0097
LOC100299874	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299890	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100299975	1	0	0	0	0	0.090044	0.173651	0	0	0	0	0.018009	0.03473	1.928505
LOC100299976	0.122372	0.007411	0.007173	0.006936	0.002536	0	0.027702	0.083236	0.098499	0.213446	0.121431	0.004811	0.108863	22.6262
LOC100299995	1	0	0	0	0.12639	0	0	0	0	0	0	0.025278	0	0
LOC100300003	1	0	0	0.090445	0.024804	0	0	0	0	0	0	0.02305	0	0
LOC100300010	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300014	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300042	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300045	5.00E-24	0.019842	0	0	0	0	22.89717	13.23956	9.589675	8.821733	12.88055	0.003968	13.48574	3398.204
LOC100300051	1	0.022095	0.008317	0	0	0	0.30835	0.234755	0.304553	0.418821	0.281593	0.006083	0.309614	50.90242
LOC100300069	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300085	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300091	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300095	1	0.078706	0.073558	0.112618	0.05852	0	0	0	0	0.01403	0.009023	0.06468	0.004611	0.071284
LOC100300115	8.28E-14	0.112911	0	0.205495	0.045085	0	12.60588	13.51608	10.45661	17.31672	22.49223	0.072698	15.2775	210.1498
LOC100300151	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300153	1	0.002733	0.002315	0.001492	0.003274	0.000927	0.017879	0.018875	0.033552	0.021194	0.015334	0.002148	0.021367	9.946047
LOC100300167	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300187	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300210	1	0	0.001981	0	0.003153	0	0	0	0	0	0	0.001027	0	0
LOC100300220	4.66E-31	0.008896	0.002511	0.014571	0.007992	0	10.95176	7.433505	4.919909	2.828209	9.44551	0.006794	7.115778	1047.366
LOC100300237	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300256	1	0.222259	0.222037	0.224033	0.184322	0	0.93947	1.870991	1.170924	1.016422	2.742593	0.17053	1.54808	9.078044
LOC100300281	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300292	1	0	0	0	0	0	0	0	0	0	0.473032	0	0.094606	#DIV/0!
LOC100300302	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300342	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300362	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300380	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300383	1	0	0.030429	0	0	0	0	0	0	0	0	0.006086	0	0
LOC100300401	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300439	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300442	1	0.09731	0	0	0.063582	0	0	0	0	0	0.029411	0.032178	0.005882	0.182801
LOC100300446	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300449	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300467	1	0	0.052563	0	0	0	0	0	0	0	0	0.010513	0	0
LOC100300469	1	0.011071	0.022505	0	0	0.012017	0	0.00941	0.017167	0.03434	0.011042	0.009119	0.014392	1.578311
LOC100300483	1	0.012737	0	0	0.030515	0.017282	0	0	0	0	0	0.012107	0	0
LOC100300488	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC100300510	1	5.509659	6.442491	1.213124	2.050132	26.8066	22.39141	7.018268	0.73719	0.853712	0.174693	8.404401	6.235054	0.74188
LOC100300528	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300531	1	0	0.004372	0	0.004638	0	0	0	0	0	0	0.001802	0	0
LOC100300545	1	0	0	0.08727	0.047867	0	0	0	0	0	0	0.027027	0	0
LOC100300546	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300575	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300624	1	0.129434	0.160788	0.226143	0.155048	1.580587	5.554441	2.172823	1.103899	1.672818	2.711048	0.4504	2.643006	5.868131
LOC100300632	1	0.040045	0	0	0	0	0	0	0	0	0	0.008009	0	0
LOC100300684	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300697	0.000323	0.26911	0.297407	0.047144	0.085332	0.17964	0.007531	0	0	0.00372	0.002392	0.175727	0.002729	0.015528
LOC100300716	1	0.030738	0	0	0.036821	0.166825	0	0	0	0	0	0.046877	0	0
LOC100300748	1.58E-07	0.222563	0.019334	0.03739	0.041016	0	5.286147	6.43919	7.035151	10.17811	6.318013	0.064061	7.051323	110.0727
LOC100300749	1	0.561756	0.53152	0.099475	0.200059	0	0.079456	0.258098	0.156954	0.54942	0.100954	0.278562	0.228976	0.821995
LOC100300759	1	0	0	0	0	0	0	0	0	0.623373	0.350788	0	0.194832	#DIV/0!
LOC100300760	0.00042	0.288333	0.260493	0.831216	1.179862	0.319236	0	0	0	0	0	0.575828	0	0
LOC100300764	1	0.002402	0	0	0	0	0	0	0	0.012416	0.003992	0.00048	0.003282	6.831972
LOC100300790	1	0.009113	0	0	0.02729	0	0	0	0	0	0	0.00728	0	0
LOC100300804	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300806	1	0	0	0	0	0.062534	0.241194	0.048967	0	0.595646	0	0.012507	0.177162	14.16524
LOC100300814	1	0.006025	0.003402	0	0.007218	0	0	0	0	0	0	0.003329	0	0
LOC100300832	1	0	0.114956	0	0	0	0	0	0	0	0.423036	0.022991	0.084607	3.67999
LOC100300850	1	0.269743	0.076156	0	0.04039	0	0	0	0	0	0	0.077258	0	0
LOC100300861	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300881	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300896	0.101963	2.358205	0.7432	2.264793	0.758477	2.13764	0.234823	0.07416	0.103081	0.103096	0.082878	1.652463	0.119607	0.072381
LOC100300911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300938	0.028059	1.247238	1.204381	1.829106	2.461228	3.482699	0	0	0	0.186892	0.120193	2.044931	0.061417	0.030034
LOC100300942	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100300972	1	0.227647	0	0	0.090899	0	0.198559	0	0	0.196142	0	0.063709	0.07894	1.23907
LOC100300983	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301024	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301071	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301104	1	0	0	0	0	0	2.001547	0.727163	2.028924	0	0	0	0.951527	#DIV/0!
LOC100301109	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301138	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301147	0.469506	0	0	0	0	0	7.633903	4.046809	2.199138	0	0	0	2.77597	#DIV/0!
LOC100301218	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301224	1	0.087073	0.030256	0	0.016047	0.036352	0	0	0	0.103877	0.011134	0.033945	0.023002	0.677625
LOC100301231	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301248	1	0.050691	0	0	0	0	0	0	0.065504	0	0.210662	0.010138	0.055233	5.448056
LOC100301250	1	4.356022	1.258046	2.900801	3.130831	3.643135	9.716536	3.034861	1.808645	2.510321	1.495715	3.057767	3.713216	1.214355
LOC100301259	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301263	1	0	0.033443	0.064675	0	0	0.433936	0.503418	0.474513	0	0	0.019623	0.282373	14.38956
LOC100301297	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301304	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301305	1	0.026085	0	0.056968	0.031247	0	0	0	0	0	0	0.02286	0	0

LOC100301306	1	0.216494	0.061122	0	0	0	0.566493	0.23002	0.279759	1.398997	1.079657	0.055523	0.710985	12.80517
LOC100301320	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301359	1	0	0	0	0	0	0.938296	1.714443	1.390113	0	0	0	0.80857	#DIV/0!
LOC100301403	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301422	1	0.002842	0.000802	0	0	0	0	0	0	0	0	0.000729	0	0
LOC100301447	1	0.082372	0	0	0	0	0	0	0	0	0	0.016474	0	0
LOC100301465	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100301469	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335176	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335177	1	0.886816	1.468525	2.681683	2.206338	1.781755	0.914812	0.607007	0.473811	0.815515	0.41107	1.805023	0.644443	0.357028
LOC100335190	0.001509	2.490704	2.266058	1.271092	0.930816	5.562381	0	0.001638	0.003985	0.167377	0.073043	2.50421	0.049208	0.01965
LOC100335194	1	0.104921	0	0	0	1.565968	0	0	0.135581	0	0	0.334178	0.027116	0.081143
LOC100335205	1	0.040673	0.045933	0.044414	0.048722	0.110374	0	0.043214	0	0	0.016903	0.058023	0.012023	0.207218
LOC100335229	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335253	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335268	1	0.049949	0	0.436348	0.299169	0.948819	0	0	0	0	0	0.346857	0	0
LOC100335275	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335292	1	0.010996	0.001129	0.001092	0.000599	0.001356	0	0	0	0	0.001662	0.003034	0.000332	0.109529
LOC100335322	1	0	0	0	0	0	0.394499	0	0	0.055671	0	0	0.090034	#DIV/0!
LOC100335340	1	0.105092	0.092787	0.04799	0.062944	0.067407	0.01	0.028422	0.019753	0.034573	0	0.075244	0.018549	0.246524
LOC100335382	1	0	0.014196	0	0	0	0	0	0	0	0	0.002839	0	0
LOC100335384	1	0.000954	0.005389	0.004169	0.00343	0.010359	0.009989	0.006084	0.029598	0.103608	0.041248	0.00486	0.038105	7.84037
LOC100335404	0.065409	0.208944	0.390245	0.535306	0.423573	0.272599	0.021028	0	0.020769	0.041545	0.020039	0.366133	0.020676	0.056472
LOC100335428	1	0	0	0	0	0	0	0	0	0	0.031631	0	0.006326	#DIV/0!
LOC100335467	4.39E-06	0.041875	0	0	0	0	2.739312	4.760537	3.733701	1.623585	1.94908	0.008375	2.961243	353.5823
LOC100335490	1	0	0	0.074238	0.081439	0	0	0	0	0	0.028253	0.031135	0.005651	0.181487
LOC100335514	0.551457	0.13067	0.053661	0.596701	0.135184	0.16118	0	0	0	0	0	0.215479	0	0
LOC100335549	1	0.002989	0.013503	0	0.007161	0	0.015643	0.082574	0.046352	0.077264	0.09938	0.004731	0.064243	13.58006
LOC100335553	5.22E-11	3.382389	2.496154	1.237573	1.353392	3.428876	0.073678	0.029916	0.036385	0.018195	0.035105	2.379677	0.038656	0.016244
LOC100335567	1	0.302376	0	0	0	0	0	0	0.08683	0	0	0.060475	0.017366	0.28716
LOC100335570	1	0.105239	0.08557	0.110322	0.010085	0	0.02203	0.022363	0.114233	0.11969	0.083972	0.062243	0.072458	1.164107
LOC100335593	1	0.037153	0.083914	0	0.022253	0	0	0	0	0.288102	0.617608	0.028664	0.181142	6.319488
LOC100335602	1	0.003592	0.002897	0.001121	0.001229	0.001392	0	0.00109	0	0.122016	0.315587	0.002046	0.087739	42.87833
LOC100335608	4.67E-08	3.411886	3.853063	0.982233	1.653408	7.238648	0	0	0	0	0	3.427848	0	0
LOC100335635	1	0.043141	0.146159	0.282657	0.189489	0	0	0	0	0.148684	0	0.132289	0.029737	0.224785
LOC100335642	1	0.324401	0.518994	1.459899	1.204067	0.200072	0	0	0	0.177868	0.155243	0.741487	0.066622	0.089849
LOC100335675	1	0.15269	0	0	0.073163	0.16574	0	0	0	0	0	0.078319	0	0
LOC100335718	1	0.004346	0.004908	0.022147	0.006942	0.003931	0.007581	0	0.003744	0.014978	0.002408	0.008455	0.005742	0.67919
LOC100335729	0.532944	0.116934	0.088036	0.18444	0.132292	0.334949	0	0	0	0	0.010799	0.17133	0.00216	0.012606
LOC100335744	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335748	1	0.003566	0.006444	0.001558	0	0.003871	0.029863	0.006063	0.003687	0.003687	0	0.003088	0.00866	2.804474
LOC100335751	1	0.138029	0.282888	0.131186	0.131663	0.145664	0.033442	0.138505	1.15276	0.019821	0.006374	0.165886	0.27018	1.62871
LOC100335780	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335782	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335792	1	0.051525	0.029094	0	0	0	0.134824	0	0	0	0	0.016124	0.026965	1.672361
LOC100335819	5.61E-07	0.556013	0.976747	11.46849	24.99517	6.999324	0	0	0	0	0	8.999148	0	0

LOC100335822	1	0.036805	0.041564	0.091863	0.069281	0.042804	0	0.011173	0.013588	0.163086	0.104883	0.056463	0.058546	1.036885
LOC100335828	1	0	0	0	0	0	0	0	0.125052	0	0	0	0.02501	#DIV/0!
LOC100335838	1	0	0	0	0.063642	0.216259	0	0	0	0	0	0.05598	0	0
LOC100335845	1	0	0	0	0	0	0	0	0	2.482795	1.596721	0	0.815903	#DIV/0!
LOC100335879	5.39E-06	0.165427	0.200005	0.174268	0.235466	0.200692	0	0	0	0	0	0.195172	0	0
LOC100335894	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335936	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335949	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100335990	0.123148	1.194508	2.272836	2.016856	2.513083	0.476692	0	0.010665	0	0.077838	0.208579	1.694795	0.059416	0.035058
LOC100336013	1	0.009754	0.016522	0	0.023368	0	0.051045	0.031089	0.037812	0.479023	2.034859	0.009929	0.526766	53.05409
LOC100336049	1	0	0.001983	0	0	0	0	0	0	0.163421	0.008758	0.000397	0.034436	86.81482
LOC100336057	1	0.002485	0	0	0	0	0	0	0	0	0	0.000497	0	0
LOC100336061	1	0.029717	0	0	0	0	0	0	0	0	0	0.005943	0	0
LOC100336104	0.072481	0.048788	0.030817	0.065014	0.067358	0.069563	0	0.003514	0	0.004275	0.004124	0.056308	0.002383	0.042314
LOC100336112	1	0.164986	0.031053	0	0	0	0	0	0	0	0	0.039208	0	0
LOC100336136	1	0.007282	0.008224	0.010603	0.002908	0	0.025407	0.020633	0	0	0	0.005803	0.009208	1.586655
LOC100336161	1	0	0.03957	0	0	0	0	10.12602	7.697276	0	0	0.007914	3.564659	450.4279
LOC100336163	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336208	0.229488	0.106221	0.137093	0.165702	0.103005	0.137261	0	0	0	0	0	0.129856	0	0
LOC100336222	1	0	0.049175	0.01902	0	0	0	0.009253	0	0.022511	0.253351	0.013639	0.057023	4.180854
LOC100336232	1	0.019174	0.010827	0.104688	0.011484	0	0	0	0	0	0.015937	0.029235	0.003187	0.109027
LOC100336258	0.049091	0.228442	0.189369	0.137996	0.147014	0.135195	0.998381	1.172258	1.23732	1.432234	0.824133	0.167603	1.132865	6.759205
LOC100336278	1	0.015489	0.002915	0	0.006185	0	0	0	0	0	0	0.004918	0	0
LOC100336282	0.174508	0.431453	0.143306	1.912265	1.368091	0.516539	0.199229	0.05393	0.032796	0.328008	1.202395	0.874331	0.363272	0.415486
LOC100336326	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336368	1	0.02466	0.07915	0.807862	0.861342	0.081009	0	0	0	0.335488	0.368945	0.370805	0.140887	0.379949
LOC100336369	6.98E-06	0.037537	0	0.21861	0.059953	0.033954	3.012111	5.025111	4.785904	5.627489	2.059153	0.070011	4.101954	58.59026
LOC100336374	1	0	0	0	0	0	0	0	0	0	0.117369	0	0.023474	#DIV/0!
LOC100336381	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336401	1	0.121416	0.056093	0.072319	0.057296	0.019969	0	0	0	0.019021	0	0.065418	0.003804	0.05815
LOC100336414	1	0.139211	0.228672	0	0	0.240402	0.198692	0.43028	0.228953	0	0	0.121657	0.171585	1.4104
LOC100336420	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336425	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336431	1	0	0	0.026175	0.057428	0	0	0	0	0	0	0.016721	0	0
LOC100336443	1	0.022279	0	0	0.026687	0	0	0	0	0.057586	0	0.009793	0.011517	1.176044
LOC100336448	1	0.002916	0.088921	0.076429	0.160696	0.118708	0	0	0	0.045228	0.043631	0.089534	0.017772	0.198492
LOC100336449	1	0.020475	0.010881	0.005261	0.004617	0	0.002521	0.003071	0.003113	0.009962	0.008409	0.008247	0.005415	0.656653
LOC100336469	1	0.004874	0	0	0	0	0	0	0	0	0.024308	0.000975	0.004862	4.987001
LOC100336475	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336476	1.88E-31	17.71464	15.50987	16.07169	15.38076	15.70579	0	0	0	0	0	16.07655	0	0
LOC100336492	1	0.032475	0.012574	0.008106	0.014449	0.015107	0.004856	0	0	0.009593	0.00617	0.016542	0.004124	0.249287
LOC100336495	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336507	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336531	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336532	1	0	0	0	0	0	0.087288	0.035443	0.043107	0.689807	0.360445	0	0.243218	#DIV/0!
LOC100336539	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC100336556	1	0.01108	0	0	0	0	0	0	0	0	0	0.002216	0	0
LOC100336562	1	0.001896	0	0	0.006814	0	0	0	0	0	0	0.001742	0	0
LOC100336564	1	11.38455	10.00689	21.92837	25.05706	13.01349	5.616372	6.071011	7.033966	9.296683	11.54782	16.27807	7.91317	0.486125
LOC100336566	0.031142	0	0	0	0	0	0	0.631587	0.62413	0.816289	0.926412	0	0.599684	#DIV/0!
LOC100336567	1	0.172499	0.048701	0	0	0	0	0.091638	0.111454	0	0	0.04424	0.040618	0.918135
LOC100336589	0.06495	0.313015	0.135957	0.184049	0.201901	0.653399	0	0	0	0	0	0.297664	0	0
LOC100336602	1	1.047056	0.833936	0.240708	0.646935	0	12.40117	5.3867	4.842418	6.837349	3.829225	0.553727	6.659373	12.02645
LOC100336631	1	0	0.040093	0	0	0	0	0	0	0	0	0.008019	0	0
LOC100336639	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336643	1	0.223582	0.078904	0.061037	0.016739	0	0	0	0	0.07224	0.092917	0.076052	0.033031	0.434324
LOC100336644	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336647	1	0	0	0	0	0	0	0.002268	0	0	0	0	0.000454	#DIV/0!
LOC100336669	1	1.844096	2.188115	0.528948	0.972177	1.718055	0.533682	0.054174	0.054907	0.307526	0.134204	1.450278	0.216899	0.149557
LOC100336672	1	0.006613	0	0	0	0	0.017304	0.140523	0.034182	0	0	0.001323	0.038402	29.03505
LOC100336682	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336734	0.007043	0.458781	0.36185	0.795206	0.558294	0.108689	0	0.030949	0.018821	0	0	0.456564	0.009954	0.021802
LOC100336753	1	0.166497	0	0	0	0.090364	66.91847	0.141519	0.344242	0	0	0.051372	13.48085	262.4153
LOC100336757	6.17E-07	0.209675	0.232067	0.514211	0.257009	0.224949	0	0	0.003601	0.003601	0.01158	0.287582	0.003756	0.013062
LOC100336766	1	0	0	0	0	0.041655	0	0	0	0	0.038276	0.008331	0.007655	0.918866
LOC100336774	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336777	0.001817	6.011847	4.661804	2.772608	3.041529	7.77924	0.428637	0.261067	0.169344	0.21171	0.177	4.853406	0.249552	0.051418
LOC100336795	1	0.143453	0.058321	0.012532	0.020621	0	0	0	0	0	0	0.046985	0	0
LOC100336827	1	0.103003	0.077548	0.008489	0.000776	0.001758	0.00339	0.008259	0.008371	0.080376	0.040922	0.038315	0.028264	0.737671
LOC100336836	1	0.018395	0	0	0	0	0.096265	0	0	0	0.091734	0.003679	0.0376	10.22033
LOC100336839	1	0	0.030567	0	0.008106	0	0.017706	0	0	0.332322	0.134981	0.007734	0.097002	12.54152
LOC100336843	1	0.014212	0	0	0	0	0	0	0	0.661228	0.779616	0.002842	0.288169	101.3838
LOC100336852	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336868	0.108195	0.081047	0.058245	0.12873	0.105912	0	2.66056	1.503024	1.40911	2.437734	0.342943	0.074787	1.670674	22.33913
LOC100336869	1	0.038763	0	0	0	0	0.507154	0.288296	0	0	0	0.007753	0.15909	20.52064
LOC100336876	1	0	0.011339	0	0	0.013623	0.052546	0.032004	0.051899	0	0.075108	0.004992	0.042311	8.475037
LOC100336878	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336896	1	0	0	0	0	0.01288	0	0	0	0.049073	0.01578	0.002576	0.01297	5.035224
LOC100336897	0.224544	0.230283	0.086687	0.083822	0.137927	0	2.343343	2.174846	1.421757	1.917998	0.999553	0.107744	1.771499	16.44177
LOC100336901	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336903	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336907	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336909	1	0	0.008597	0	0	0	0	0	0	0.039356	0	0.001719	0.007871	4.577713
LOC100336916	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336921	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336939	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336941	1	0.075169	0.110355	0.065666	0.148573	0.112191	0	0.007986	0	0.038859	0.006248	0.102391	0.010619	0.103708
LOC100336944	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336947	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336956	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336962	1	0	0	0	0	0	0	0	0	0.008572	0	0	0.001714	#DIV/0!
LOC100336971	1	0.13313	0.451034	0.124608	0.091129	0.232246	0	0	0	0.098319	0.047423	0.20643	0.029148	0.141203

LOC100336976	5.84E-05	0	0	0.039213	0.064524	0	3.85253	4.349484	2.784213	2.134874	0.686484	0.020747	2.761517	133.1015
LOC100336980	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336981	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336982	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100336984	1	0	0	0	0	0	0	0	0	0	0.017466	0	0.003493	#DIV/0!
LOC100336993	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337001	1	0.158542	0.139653	0.076175	0.060773	0.008605	0	0.121282	0.25404	0.409802	0.26355	0.08875	0.209735	2.363221
LOC100337009	1	0.017366	0	0	0	0	0	0	0	0	0	0.003473	0	0
LOC100337022	1	12.24078	18.47344	2.506254	4.62042	20.51581	5.644175	13.00552	0.906228	0.851429	0.812517	11.67134	4.243973	0.363623
LOC100337031	1	0.003674	0.01141	0.014041	0.016503	0.014955	0.004807	0	0.01899	0.132948	0.006107	0.012117	0.03257	2.688094
LOC100337032	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337044	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337053	1	0.274735	0.260618	0.504009	0.125059	0.149108	0	0	0	0	0.018268	0.262706	0.003654	0.013908
LOC100337076	1	0.146917	0.138262	0.153746	0.036665	0.008306	0	0.013008	0.00791	0.079115	0.005088	0.096779	0.021024	0.217241
LOC100337081	1	0.039586	0	0	0.013549	0	0	0	0	0	0	0.010627	0	0
LOC100337086	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337103	4.18E-10	0.115284	0.011836	0	0.037663	0	4.168401	5.834825	5.579717	7.639364	6.411268	0.032957	5.926715	179.8337
LOC100337108	1	0.277824	0.094124	0.788783	0	2.412551	0.436183	0.708434	1.723247	0.28725	0.092367	0.714656	0.649496	0.908823
LOC100337130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337136	0.480122	0.827137	1.18135	6.428784	8.829978	0.462119	68.36768	21.45336	38.22691	25.15294	29.48115	3.545874	36.53641	10.30392
LOC100337142	1	0.012487	0	0	0	0	0.1307	0.132674	0.129091	0	0	0.002497	0.078493	31.42918
LOC100337152	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337155	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337168	1	0.05761	0	0	0.034505	0	0	0	0	0	0	0.018423	0	0
LOC100337171	0.005422	0	0	0	0	0	0.646622	0.875185	1.596649	0.425835	0.855814	0	0.880021	#DIV/0!
LOC100337172	1	0.006278	0	0	0.00752	0	0	0	0	0	0	0.00276	0	0
LOC100337177	1	0	0	0.004467	0	0	0	0	0	0	0	0.000893	0	0
LOC100337185	1	0.135725	0.134115	0.051873	0	0.055247	0	0	0	0	0	0.075392	0	0
LOC100337195	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337203	1	0	0	0	0.004229	0	0	0	0	0	0	0.000846	0	0
LOC100337213	1	0.021073	0.005949	0	0	0	0.02757	0	0	0.027234	0.385325	0.005404	0.088026	16.2879
LOC100337223	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337234	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337265	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337293	0.002424	2.94403	2.736786	1.40986	1.337689	2.097941	0.149848	0.066376	0.195094	0.013457	0.043271	2.105261	0.093609	0.044464
LOC100337323	0.00853	1.766653	1.220075	1.127811	1.896497	1.216968	0	0.014439	0	0.070254	0.135543	1.445601	0.044047	0.03047
LOC100337324	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337328	5.81E-07	0.632096	0.569282	0.533906	0.547904	0.44611	0.012699	0.009023	0.01411	0.06272	0.030252	0.54586	0.025761	0.047193
LOC100337355	1.04E-07	0	0.033062	0.063939	0	0	4.060159	4.074827	1.815923	2.87563	6.278085	0.0194	3.820925	196.9531
LOC100337362	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337384	1	0	0	0	0	0	8.21638	4.280399	1.990522	0	0	0	2.89746	#DIV/0!
LOC100337390	1	0.808401	0.521675	0.767159	0.13834	0.208927	0.050365	0.092026	0	0.049752	0.063992	0.4889	0.051227	0.10478
LOC100337392	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100337419	0.045801	0.004307	0	0	0	0	0.202862	0.183045	0.044525	0.033399	0.132455	0.000861	0.119257	138.4443
LOC100337436	1	0	0	0	0	0	0.177093	0	0	0	0	0	0.035419	#DIV/0!

LOC100337442	1	0.418282	0.566843	0.73081	0.501058	0.681049	4.378018	2.75537	1.729643	7.135817	1.66878	0.579608	3.533526	6.096403
LOC100337457	1	0.06845	0.028988	0.074746	0.177657	0.077396	0.014926	0.006061	0	0.044233	0.004741	0.085447	0.013992	0.16375
LOC100337495	1	0.003248	0.047678	0.007093	0.007781	0.008813	0.016996	0.006901	0	0.067156	0	0.014922	0.01821	1.220351
LOC100337507	1	1.762352	1.960529	2.585087	3.718074	10.70696	0	0	0	0.271962	0.743335	4.1466	0.203059	0.04897
LOC100462699	1	0.006169	0	0	0	0.01674	0	0	0	0	0	0.004582	0	0
LOC100568284	1	0	0	0.546227	0	0	0	0	0	0	0	0.109245	0	0
LOC100616098	1	0.571479	1.173408	1.418282	1.338026	5.639296	1.767254	2.152737	3.423851	3.491493	1.64089	2.028098	2.495245	1.230337
LOC100616526	0.23923	0.211462	0.227184	0.159349	0.100564	0.179941	0.448653	0.699585	1.04543	0.922384	0.484257	0.1757	0.720062	4.098249
LOC100847104	1	0.036529	0.031482	0.182651	0.054122	0.041738	0.015092	0.004085	0.034782	0.1143	0.31161	0.069305	0.095974	1.384811
LOC100847112	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847114	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847115	1	0.144761	0.413002	0	0.091268	0.289457	0	0	0	0.039388	0.012665	0.187698	0.010411	0.055465
LOC100847118	1	0.353855	1.463576	1.767795	0.847763	12.53123	4.629604	0.620338	0.834499	0.457326	1.073512	3.392844	1.523056	0.448903
LOC100847119	1	0.025887	0.029234	0.056536	0.03101	0	0	0	0	0	0	0.028533	0	0
LOC100847120	1	0.15714	0.094645	0.062918	0.047059	0.106607	0	0	0	0.027079	0.026122	0.093674	0.01064	0.113587
LOC100847122	1	4.09255	3.165576	3.305824	3.984632	11.86651	0	0.07942	0.048297	0.483037	1.926015	5.283018	0.507354	0.096035
LOC100847143	1	4.147594	5.83967	5.607447	5.334015	12.37585	0.751713	0.495994	1.020878	2.598977	2.984712	6.660916	1.570455	0.235772
LOC100847148	1	0.000735	0.004151	0.001605	0	0	0	0	0.0038	0	0	0.001298	0.00076	0.585345
LOC100847151	1	0	0.127665	0	0	0	1.143784	0.864789	1.421863	1.168825	0.300675	0.025533	0.979987	38.38129
LOC100847153	1	0.008887	0	0	0	0.004823	0	0	0	0	0.005909	0.002742	0.001182	0.43101
LOC100847156	1	0	0	0.022586	0	0	0.054123	0	0	0	0.008596	0.004517	0.012544	2.776833
LOC100847158	1	0.026849	0.01516	0	0	0	0	0	0	0.1388	0	0.008402	0.02776	3.304016
LOC100847159	1	15.59857	18.26465	7.949	8.078337	4.789465	1.787457	7.190678	8.383927	4.565938	0.692835	10.93601	4.524167	0.413695
LOC100847171	1	0.240472	0.122205	0	0	0.152265	0.178283	0.255496	1.046169	0	0	0.102988	0.29599	2.874011
LOC100847175	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847180	1.38E-13	5.047773	4.98606	5.747136	4.531076	4.601764	0.091964	0.186706	0.283849	0.068134	0.051121	4.982762	0.136355	0.027365
LOC100847182	1	0.062889	0.092542	0.074916	0.038808	0.051715	0	0	0.019701	0.009852	0.076031	0.064174	0.021117	0.329053
LOC100847183	1	0.049423	0	0.071959	0	0	0	0	0	0.255501	0	0.024277	0.0511	2.104924
LOC100847184	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847189	1	0	0.002013	0.003892	0.001067	0	0	0	0	0	0	0.001395	0	0
LOC100847190	1	1.839019	2.085728	3.473363	3.016055	2.934324	3.862067	1.719106	3.69212	2.080945	4.001734	2.669698	3.071194	1.15039
LOC100847192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847209	1	0.017921	0.015178	0.004892	0.018784	0.030394	0	0	0	0.028951	0.007448	0.017434	0.00728	0.417562
LOC100847210	1	0.013546	0.076485	0	0	0.036758	1.488652	1.482354	1.207764	0	0	0.025358	0.835754	32.95849
LOC100847223	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847236	1	4.382	3.310695	1.388341	1.042441	4.488549	0.484488	0.288526	0.845389	3.190613	1.641543	2.922405	1.290112	0.441456
LOC100847239	1	0	0	0	0	0	0	0	0	0	0.096358	0	0.019272	#DIV/0!
LOC100847240	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847256	1	0.003444	0	0	0	0	0	0	0	0	0	0.000689	0	0
LOC100847257	1.06E-11	2.995768	4.139514	2.834084	3.061003	4.859937	0.180971	0.058012	0.032926	0.103498	0.018153	3.578061	0.078712	0.021999
LOC100847268	1	0	0	0	0.036228	0	0	0	0	0	0	0.007246	0	0
LOC100847269	1	0	0.006448	0	0	0.020659	0	0	0	0	0	0.005421	0	0
LOC100847281	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847282	1	0	0	0.121892	0	0	0	0	0	0	0	0.024378	0	0
LOC100847284	0.003019	4.047886	3.997575	5.028663	4.760597	11.2737	0.257295	0.104472	0.910619	0.593048	0.354155	5.821684	0.443918	0.076252
LOC100847301	1	0	0	0	0	0	0	0	0	0	0.065657	0	0.013131	#DIV/0!

LOC100847304	1	0.067315	0	0	0	0.274006	5.10808	8.510936	5.132166	0	0	0.068264	3.750237	54.93708
LOC100847313	1	0	0	0	0.021625	0	0	0	0	0	0.050016	0.004325	0.010003	2.312856
LOC100847317	1	0	0	0	0.013012	0	0	0	0	0	0	0.002602	0	0
LOC100847319	0.000568	0.34468	0.17089	0.312124	0.271904	0.114067	0	0	0	0	0	0.242733	0	0
LOC100847320	1	0.090482	0.177707	0.2062	0.089538	0	0.144115	0.35946	0.274514	0.264385	0.215807	0.112785	0.251656	2.231283
LOC100847323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847326	1	0.05641	0.038057	0.033599	0.013164	0.023856	0	0	0	0.056809	0.008525	0.033017	0.013067	0.395755
LOC100847335	4.90E-16	8.170686	13.1615	9.195917	1.250973	6.189271	0	0	0	0	0	7.59367	0	0
LOC100847339	0.002426	0	0	0	0.019163	0	0.418597	0.781852	0.558147	0.289452	0.438783	0.003833	0.497366	129.7717
LOC100847345	1	0.719113	0.537186	1.92495	1.736249	0.599858	0	0	0	1.547775	1.400067	1.103471	0.589568	0.534285
LOC100847353	1	0.009438	0.010658	0.041223	0	0	0	0	0	0	0	0.012264	0	0
LOC100847357	4.45E-13	0.604564	0.538283	0.562396	0.386296	1.057796	0.019378	0.027181	0.013919	0.026103	0.021823	0.629867	0.021681	0.034421
LOC100847358	1	0.005414	0	0.035471	0.003243	0	0	0	0	0.013994	0	0.008826	0.002799	0.317123
LOC100847359	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847363	1	0.804895	1.013281	1.1623	1.369871	1.181627	1.012788	0.934624	1.409538	4.229229	1.784005	1.106395	1.874037	1.693823
LOC100847365	1	0.473561	0.552288	0.376965	0.328702	0.7086	0.13897	0.028214	0.154416	0.160158	0.194965	0.488023	0.135345	0.277332
LOC100847369	1	0.010081	0	0	0.012076	0	0	0.021422	0.026054	0.052115	0.033516	0.004431	0.026621	6.007432
LOC100847370	1	0	0.021681	0	0	0	0	0	0	0	0	0.004336	0	0
LOC100847371	1	0.085271	0.048148	0	0	0	0	0	0	0	0	0.026684	0	0
LOC100847374	1	0.183867	0.158469	0.102155	0.120262	0.10526	0.015921	0.011717	0.008845	0.034404	0.064796	0.134003	0.027137	0.202509
LOC100847376	1	0.658682	0.801073	0.762301	0.708105	2.016606	0.441936	0.071778	0.130948	0.087311	0.346266	0.989353	0.215648	0.217968
LOC100847379	1	0.001262	0.002137	0	0	0	0	0.001341	0.00163	0.003261	0.001049	0.00068	0.001456	2.142083
LOC100847382	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847388	1	0	0	0	0	0	0	0	0	1.115981	0.153794	0	0.253955	#DIV/0!
LOC100847410	1	0.178553	0.136693	0.118301	0.164221	0.179659	0.024498	0.018473	0.034566	0.0484	0.034462	0.155486	0.03208	0.206321
LOC100847412	1	0	0	0	0.013345	0	0	0.004735	0	0	0.014816	0.002669	0.00391	1.464952
LOC100847415	1	0.2958	0.032857	0.042362	0.04647	0.539522	0	0	0	0.050137	0.008061	0.191402	0.01164	0.060812
LOC100847428	1	0.030488	0.017215	0	0.109566	0	0	0	0	0	0	0.031454	0	0
LOC100847453	1	0.384779	0.220715	0.440179	0.395078	0.745831	0.063926	0.025957	0.03157	0.126296	0.010153	0.437317	0.05158	0.117947
LOC100847454	1	1.345998	1.686298	1.607598	0.755795	0.513646	0	0	0.054354	0.108724	0.209765	1.181867	0.074569	0.063094
LOC100847455	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847464	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847467	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847469	1	0.036187	0.040866	0	0	0	0	0	0	0	0	0.01541	0	0
LOC100847470	1	0.020326	0	0	0.048696	0	0	0	0	0.105076	0	0.013804	0.021015	1.522368
LOC100847480	1	0.012798	0.005559	0.0086	0.003538	0	0	0	0.002544	0	0.001637	0.006099	0.000836	0.137099
LOC100847490	1	0.146726	0.066279	0	0	0	0	0	0	0	0	0.042601	0	0
LOC100847491	1	0.013907	0.008567	0.027611	0.022717	0.013723	0.013233	0.002687	0.196048	0	0.023118	0.017305	0.047017	2.716947
LOC100847492	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847495	0.001543	0.74882	1.51398	1.081469	1.403381	5.735626	0	0	0	0	0.080309	2.096655	0.016062	0.007661
LOC100847501	1	0.004495	0.004714	0.000701	0.002308	0	0.00168	0.004776	0.008299	0.02324	0.012811	0.002444	0.010161	4.15805
LOC100847503	1	0	0.026446	0	0	0	0	0	0	0	0	0.005289	0	0
LOC100847506	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847509	1	1.668466	1.713337	0.935973	0.775945	1.997501	0.569268	0.460555	0.627785	0.418584	0.240646	1.418245	0.463368	0.326719
LOC100847522	1	0.048069	0.035365	0.016072	0.021007	0.022095	0.009833	0.017967	0.023471	0.040473	0.028892	0.028522	0.024127	0.845917
LOC100847536	1	0.029061	0.008205	0.023801	0.021758	0	0	0	0	0	0	0.016565	0	0

LOC100847546	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847554	1	0.280113	0.471989	0.670017	0.47935	0.772199	0.16288	0.103928	0.172365	0.091942	0.110867	0.534734	0.128396	0.240113
LOC100847561	0.003882	0.356368	0.545048	0.330928	0.127731	1.142204	0	0	0	0.014506	0.023323	0.500456	0.007566	0.015118
LOC100847567	1	3.133032	2.805109	2.249303	3.276134	4.955596	0.860573	0.257474	1.073654	1.342263	0.517937	3.283835	0.81038	0.246779
LOC100847572	1	0.021158	0.019911	0.115518	0.186916	0.028707	0	0	0	0.009115	0.013189	0.074442	0.004461	0.059923
LOC100847573	1	4.138415	3.781316	0.065732	0.144215	2.838203	0.945063	0.335768	1.302906	0	0.050032	2.193576	0.526754	0.240135
LOC100847585	1	0.016364	0	0.011913	0	0	0	0	0	0	0	0.005655	0	0
LOC100847604	1	49.81594	86.24939	60.45658	42.07856	45.45369	54.37898	64.0383	59.87304	60.10896	43.05788	56.81083	56.29143	0.990857
LOC100847606	1	0.262284	0.467682	2.939455	2.703669	0.842863	0	0	0	0.892047	0.539267	1.44319	0.286263	0.198354
LOC100847607	1	0	0	0	0	0	0	0	0	0.730003	0	0	0.146001	#DIV/0!
LOC100847609	1	1.13598	0.829103	0.563357	0.873516	1.37307	1.869157	1.570617	1.333324	0.692403	0.511264	0.955005	1.195353	1.251672
LOC100847612	0.063432	0.673007	0.844168	0	0	0.532396	0	0	0	0	0	0.409914	0	0
LOC100847613	1	0	0	0.004757	0.003261	0	0	0	0	0.00563	0.002715	0.001604	0.001669	1.040812
LOC100847618	1	0.021882	0.014121	0	0.022468	0	0	0.013285	0	0.03232	0.015589	0.011694	0.012239	1.046598
LOC100847628	1	0.016167	0.027677	0.022418	0.024132	0.016017	0.004701	0.006271	0.011275	0.007297	0.00192	0.021282	0.006293	0.295673
LOC100847643	0.000187	0.01051	0	0	0.037769	0	0.440007	6.4318	8.50164	1.792939	0.26206	0.009656	3.485689	360.9993
LOC100847644	1	0.239402	0.143456	0	0	0.185617	0.076706	0.072674	0.063135	0	0	0.113695	0.042503	0.373834
LOC100847661	1	0	0	0.007557	0	0	0	0.025736	0.165445	0.008944	0.037389	0.001511	0.047503	31.42891
LOC100847666	1	0.011153	0.008187	0.012179	0.00668	0.006053	0	0	0	0	0.001854	0.008851	0.000371	0.041897
LOC100847667	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847672	1	0.073077	0	0	0	0.079323	0.30595	0.279514	0.302183	0.075557	0	0.03048	0.192641	6.320214
LOC100847676	1	0.052696	0	0	0	0	0.11031	0.044791	0	0	0	0.010539	0.03102	2.943311
LOC100847677	3.10E-10	0	0	0	0.020268	0	0	0	0	0	0	0.004054	0	0
LOC100847686	2.32E-06	12.44488	9.546275	5.553277	4.96296	15.30229	1.338904	0.665695	0.209158	0.26992	0.707378	9.561936	0.638211	0.066745
LOC100847695	1	0.017635	0	0	0	0	0.138432	0.074945	0	0	0	0.003527	0.042675	12.09989
LOC100847700	1	0	0	0	0	0	0	0	0	0	0.109352	0	0.02187	#DIV/0!
LOC100847702	1	0.006726	0.004558	0.002938	0	0	0.00704	0.002859	0.003477	0.06259	0.006709	0.002844	0.016535	5.813202
LOC100847703	1	0.061176	0	0.066802	0.183204	0.249015	22.4106	0	0	21.34723	31.57602	0.11204	15.06677	134.4773
LOC100847708	1	0.048897	0.05522	0.083575	0.071307	0.011538	0.022252	0.031623	0.071428	0.164858	0.045943	0.054108	0.067221	1.242353
LOC100847712	1	0.024958	0.016285	0.002423	0.004651	0.00301	0	0	0.002867	0	0.00461	0.010265	0.001495	0.145669
LOC100847713	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847715	1	0.012659	0.010997	0.004253	0.005832	0.002643	0.015289	0.004139	0.00755	0.018459	0.007554	0.007277	0.010598	1.456373
LOC100847716	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847719	1	0.00543	0.010731	0	0	0.011051	0.078146	0.002885	0.098234	0	0	0.005442	0.035853	6.587596
LOC100847720	1	0	0	0.168562	0	0	0	0	0	0.266001	0	0.033712	0.0532	1.578062
LOC100847724	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847729	1	0	0.003647	0	0	0	0.016902	0.006863	0	0	0.005369	0.000729	0.005827	7.987748
LOC100847738	1	0	0	0	0	0	0	0.070076	0	0	0	0	0.014015	#DIV/0!
LOC100847745	1	2.558907	1.107401	2.488333	1.40959	0.684266	0.048874	0.674732	1.56886	0.289678	0.419166	1.649699	0.600262	0.363862
LOC100847756	1	0.151255	0.028469	0	0	0	0	0	0	1.042581	0.083812	0.035945	0.225279	6.267338
LOC100847759	1.60E-17	36.84882	32.15142	25.71329	31.69659	105.0442	0.74621	0.476131	0.772118	0.105304	0.62079	46.29086	0.54411	0.011754
LOC100847761	1	0.018317	0.02758	0.013334	0	0.099412	0	0	0	0.157819	0.680021	0.031729	0.167568	5.281277
LOC100847765	1	0.132531	0.121823	0.175012	0.239983	0.071093	0	0.039296	0	0	0.012809	0.148088	0.010421	0.07037
LOC100847773	1	0.571005	0.80898	1.564485	1.890337	2.549665	0.298826	0.165458	0.053663	0.214683	0.422826	1.476895	0.231091	0.156471
LOC100847780	1	0.017595	0.039741	0.059119	0.053504	0.128551	0	0	0	0.328859	0.393739	0.059702	0.144519	2.42068
LOC100847782	1	0.356229	0.191254	0.025508	0.07695	0.316947	0	0	0	0	0.029123	0.193378	0.005825	0.030121

LOC100847791	1	0.117297	0.124938	0.317305	0.089415	0.068725	0	0.039654	0.151574	0.158487	0.155103	0.143536	0.100964	0.703402
LOC100847799	1	0.247117	0.014688	0.028405	0.03116	0	0	0	0	0.268948	0.064862	0.064274	0.066762	1.03871
LOC100847801	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847802	2.73E-09	1.442372	1.741125	2.084911	1.90225	2.452599	0	0.024559	0.041817	0.059748	0	1.924651	0.025225	0.013106
LOC100847813	0.009346	0.008909	0.009146	0.005306	0.002911	0.002198	0.072054	0.113586	0.11931	0.17585	0.087512	0.005694	0.113663	19.9618
LOC100847815	1	0.029858	0	0	0	0	0	0	0	0	0	0.005972	0	0
LOC100847818	1	0.200336	0.201542	0.372567	0.2688	0.144814	0.059518	0.092019	0.139049	0.144722	0.043628	0.237612	0.095787	0.403124
LOC100847819	1	0	0.005397	0	0	0	0	0	0	0.04941	0.015888	0.001079	0.01306	12.09942
LOC100847825	1	0.038173	0.086217	0.646097	0.114317	0.038845	0.074913	0.162229	0.283632	0.493345	0.20623	0.18473	0.24407	1.321229
LOC100847831	1	0.512659	0.576268	0.373209	0.392349	0.18678	0.049684	0.050434	0.116545	0.049079	0.078908	0.408253	0.06893	0.168842
LOC100847832	1	0.027913	0.003128	0.006515	0.014549	0	0.003345	0.001358	0.001101	0.004406	0.003896	0.010421	0.002822	0.270749
LOC100847835	1	0.029948	0.01691	0	0.022421	0.020317	0	0	0	0	0.012446	0.017919	0.002489	0.13891
LOC100847839	1	0.642081	0.5112	0.567924	0.496099	0.888623	0.134409	0.03411	0.149348	0.066387	0.112072	0.621185	0.099265	0.159799
LOC100847841	1	0.002515	0.000568	0.008789	0.005424	0	0.005265	0.011759	0.009101	0.007802	0.004181	0.003459	0.007622	2.203266
LOC100847850	1	0.36946	1.22852	1.120675	0.946616	0.640545	0	0.087232	0	0.159165	0.102361	0.861163	0.069751	0.080997
LOC100847861	5.93E-06	0.829275	0.764586	1.531127	1.372501	2.163409	0	0	0	0	0.00666	1.33218	0.001332	0.001
LOC100847870	1	0.702225	0.600065	1.14226	1.295485	0.899085	0.098145	0.026567	0.070009	1.949779	1.312816	0.927824	0.691463	0.745253
LOC100847874	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847876	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847890	3.96E-22	3.669343	3.338662	1.284349	2.433432	5.477156	0	0	0.007506	0.02252	0.009655	3.240588	0.007936	0.002449
LOC100847917	1	0.007105	0.0575	0.005172	0.007092	0	0	0.010065	0.009181	0.024485	0.01181	0.015374	0.011108	0.722542
LOC100847925	1	0	0	0	0	0	0	0	0	0.092643	0	0	0.018529	#DIV/0!
LOC100847934	2.14E-06	1.149952	1.062017	1.182179	0.714159	0.920608	0	0	0.045128	0.025791	0.004147	1.005783	0.015013	0.014927
LOC100847935	1	0	0	0.009617	0	0	0	0	0	0	0.00732	0.001923	0.001464	0.761155
LOC100847941	1	0.183631	0.162294	0.139493	0.082887	0.048146	0	0.001885	0	0.082548	0.013272	0.12329	0.019541	0.158496
LOC100847943	1	0	0.06238	0.060319	0.397015	0.749487	0	0	0	0	0	0.25384	0	0
LOC100847946	1	4.049563	3.161571	2.639689	2.177976	4.933918	10.97479	6.695308	6.007193	6.248389	4.413401	3.392543	6.867815	2.024385
LOC100847947	1	5.256729	6.764797	3.853005	3.01211	5.971409	1.480256	1.212279	2.236408	10.74376	3.171818	4.97161	3.768904	0.758085
LOC100847951	1	0.078438	0.081096	0.037275	0.040836	0.07982	0.030644	0.02614	0.021586	0.050921	0.031767	0.063493	0.032212	0.507328
LOC100847956	1	0.000792	0.005366	0.003459	0.004744	0	0	0	0	0.036848	0.017115	0.002872	0.010793	3.757582
LOC100847958	1	0	0	0	0	0.039894	0	0	0	0	0.061096	0.007979	0.012219	1.531443
LOC100847963	1	0.141476	0.039942	0	0.084736	0.09598	0	0	0	0	0	0.072427	0	0
LOC100847970	1	0.075572	0.064743	0	0	0.106074	0	0	0	0	0	0.049278	0	0
LOC100847972	1.00E-14	2.302133	2.558029	0.996575	1.679249	3.525223	0.021514	0	0	0	0.010251	2.212242	0.006353	0.002872
LOC100847981	1	0.022095	0.049904	0	0	0	0	0	0	0	0	0.0144	0	0
LOC100847986	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847995	1	0.266094	0.11419	0.139473	0.229501	0.375487	0	0	0	0.027512	0.044234	0.224949	0.014349	0.063788
LOC100847997	1	0.138434	0	0	0.110553	0	0	0	0	0.715654	0.076708	0.049797	0.158472	3.182343
LOC100847998	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100847999	1	1.242958	1.111585	0.94147	0.981146	2.885555	0	0	0	0.037142	0.155264	1.432543	0.038481	0.026862
LOC100848001	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848006	1	0.001541	0.001741	0	0	0	0.016132	0.00655	0	0	0.010249	0.000656	0.006586	10.0342
LOC100848007	1	0.406317	0.229428	1.478968	0.946409	2.08271	0.236266	0.047967	0.116678	0.350085	0.150097	1.028766	0.180219	0.175179
LOC100848011	0.134695	4.463914	7.381888	5.038521	5.160175	5.412804	0.157208	0.255332	1.319814	1.397654	0.539311	5.49146	0.733864	0.133637
LOC100848017	1	0.008545	0	0.055983	0	0.069561	0	0	0	0	0	0.026818	0	0
LOC100848024	1	0.004881	0.007349	0.001777	0	0	0	0	0.002102	0.025231	0.009466	0.002801	0.00736	2.62734

LOC100848025	1	0.051895	0.070327	0.147338	0.049732	0	0	0	0	0.06707	0.207041	0.063858	0.054822	0.858496
LOC100848027	1	0.190757	0.28723	0.302986	0.256204	0.737261	0	0	0	0.268948	0.297883	0.354888	0.113366	0.319443
LOC100848030	1	0.028434	0.016056	0	0	0	0	0	0	0	0	0.008898	0	0
LOC100848035	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848039	1	0.032381	0.036568	0	0.058183	0.351484	0	0	0	0	0	0.095723	0	0
LOC100848049	1	0.042399	0.020521	0	0.009674	0	0	0	0	0	0	0.014519	0	0
LOC100848052	1	0	0.669769	0	0	0	0	0	0	0	0	0.133954	0	0
LOC100848056	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848060	1	0	0	0	0	0	0	0	0	0.334794	0	0	0.066959	#DIV/0!
LOC100848063	1	0	0	0	0	0	0	0.049209	0.05985	0.359151	0	0	0.093642	#DIV/0!
LOC100848072	1	0	0	0.156254	0.128557	0	0	0	0	0	0	0.056962	0	0
LOC100848074	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848076	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848077	3.08E-08	0.019787	0.040966	0.230471	0.031603	0.044746	0.017258	0.007008	0.008523	0	0	0.073515	0.006558	0.089204
LOC100848091	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848093	1	0	0.002233	0.008638	0	0	0	0.004202	0.010222	0.051116	0.04931	0.002174	0.02297	10.56479
LOC100848100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848105	1	0.066849	0.141417	0	0	0.097091	0	0.008003	0.017033	0	0	0.061071	0.005007	0.08199
LOC100848109	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848114	1	0.00235	0	0.002566	0.002815	0	0	0	0.009111	0	0	0.001546	0.001822	1.178363
LOC100848122	1	1.147278	1.95168	0.799478	0.810291	1.335315	1.075876	0.972345	0.106263	0.219413	0.257963	1.208809	0.526372	0.435447
LOC100848132	1	0.038459	0.231638	0	0.214993	0.278308	0.268359	0.054482	0.066264	0.066273	0.447523	0.15268	0.18058	1.18274
LOC100848138	1	0.595576	0.463628	1.250201	0.457154	0.235369	1.210425	3.071769	7.382337	7.353518	3.652597	0.600386	4.534129	7.552029
LOC100848148	1	0.011469	0.002159	0.008349	0.029768	0.010375	0	0	0	7.92534	3.705102	0.012424	2.326088	187.2264
LOC100848166	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848171	1	0.016268	0.036742	0	0.019487	0	0	0	0	0	0	0.014499	0	0
LOC100848177	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848180	1	0.012565	0.009997	0.003118	0.005131	0.000775	0	0.006675	0.001476	0.010334	0.006171	0.006317	0.004931	0.780588
LOC100848185	0.056172	0	0	0	0	0	0.773909	2.199677	0.611504	0.611593	1.720792	0	1.183495	#DIV/0!
LOC100848188	1	0.048985	0.044255	0	0	0.106344	0	0	0.05064	0.101294	0.016286	0.039917	0.033644	0.842852
LOC100848202	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848205	1	0.105511	0.330982	0.204828	0.182564	0.349948	0	0	0	0	0	0.234766	0	0
LOC100848208	6.28E-07	2.853249	2.049558	2.011396	1.849554	3.724375	0	0	0	0	0.075048	2.497627	0.01501	0.00601
LOC100848212	6.74E-19	8.134394	8.747172	7.677273	7.119215	11.98138	0	0.005777	0.007026	0.070274	0.103946	8.731887	0.037405	0.004284
LOC100848221	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848226	1	0.730247	0.769694	1.128196	1.308898	0.983486	0	0.005747	0.111839	0.671132	0.642925	0.984104	0.286329	0.290953
LOC100848234	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848238	0.026336	0.057207	0.048066	0.192905	0.096488	0.03229	0.280223	0.242152	1.02193	1.402992	1.264415	0.085391	0.842342	9.86453
LOC100848246	9.93E-05	0.182077	0.490443	0.97203	0.525076	0.135419	0.014117	0.011464	0	0.006972	0.015694	0.461009	0.009649	0.020931
LOC100848253	1	0.032408	0.023868	0.003077	0	0	0.022122	0	0.003642	0.080126	0.030449	0.011871	0.027268	2.297071
LOC100848263	1	0.270564	0.126434	0.122255	0.067057	0	0.195304	0.039651	0.024112	0.192927	0	0.117262	0.090399	0.770911
LOC100848264	1.86E-16	16.00849	14.43959	8.222563	7.292213	18.98753	0	0	0.012637	0.025277	0.227587	12.99008	0.0531	0.004088
LOC100848270	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848277	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848288	1	0.010237	0.006503	0.002795	0.003066	0	0.016741	0.017674	0.039684	0.01323	0.027652	0.00452	0.022996	5.087778
LOC100848294	1	0.006226	0.001758	0.0017	0.003729	0	0	0	0	0.024139	0	0.002682	0.004828	1.799789

LOC100848298	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848307	1	2.698719	6.570023	5.400101	3.39598	6.7964	0.04551	0	0	0.074927	1.055286	4.972245	0.235145	0.047291
LOC100848315	1	3.201954	3.942198	1.796352	1.806369	5.885702	2.664702	1.810236	2.125757	4.530546	2.433474	3.326515	2.712943	0.815551
LOC100848319	1	0	0.030605	0	0	0.073543	0	0	0	0	0	0.02083	0	0
LOC100848320	1.94E-07	0.982201	0.504184	0.422518	0.445672	0.646151	14.17444	9.61344	7.192257	27.00374	20.75567	0.600145	15.74791	26.24017
LOC100848324	1.36E-18	6.992238	8.584615	4.988656	7.456442	12.04378	0.024346	0.079085	0.14428	0.07215	0.077335	8.013146	0.079439	0.009914
LOC100848325	1.65E-05	0.270599	0.341969	0.323631	0.173651	0.358417	0	0	0	0	0	0.293654	0	0
LOC100848331	1	0.055455	0.010438	0.161483	0.254647	0.050163	0.193477	0.01964	0.047774	0.143342	0.29192	0.106437	0.139231	1.308102
LOC100848336	1	0	0	0.352075	0.627613	0	0	0	0	0	0	0.195937	0	0
LOC100848339	0.036378	0.237198	0.258009	0.244715	0.264964	0.726607	0.015231	0.021646	0.033848	0.045137	0.033867	0.346299	0.029946	0.086474
LOC100848353	1	0.054596	0.049324	0	0.02616	0	0	0	0.05644	0.225792	0.090756	0.026016	0.074597	2.867378
LOC100848357	1	3.856508	5.382007	1.11843	1.640052	16.47788	0.164084	0.022208	0.162064	0	0	5.694975	0.069671	0.012234
LOC100848368	1	0	0.019494	0.075398	0.075819	0.031229	0	0	0.014871	0.118983	0.09565	0.040388	0.045901	1.136497
LOC100848369	3.26E-10	1.531092	1.346764	1.344259	1.658972	3.862577	0	0	0	0	0	1.948733	0	0
LOC100848373	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848379	1	0	0.167003	0	0	0	0	0	0	0	0.184371	0.033401	0.036874	1.103997
LOC100848383	1	0	0	0	0	0	0.031084	0.012621	0.01535	0	0.003291	0	0.012469	#DIV/0!
LOC100848385	0.022202	0.410583	0.86752	0.665292	0.460104	0.287532	0	0	0	0	0	0.538206	0	0
LOC100848387	1	0.020638	0	0	0	0	0	0	0	0	0	0.004128	0	0
LOC100848388	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848405	0.08016	0.214525	0.277388	0.386654	0.349643	0.20992	0.020868	0.033893	0.037099	0.024736	0.059656	0.287626	0.03525	0.122556
LOC100848407	1	0.137216	0.139724	0	0	0.149571	0.046394	0.063885	0.052796	0	0	0.085302	0.032615	0.382345
LOC100848409	1	0.135393	0	0	0	0	0	0	0	0	0	0.027079	0	0
LOC100848419	0.003301	0.27096	0.497244	0.369853	0.872311	0.551471	0	0	0	0	0	0.512368	0	0
LOC100848439	1	0.016773	0.008118	0	0	0.003251	0.025079	0.010183	0.080505	0	0	0.005628	0.023153	4.113694
LOC100848441	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848443	1	0.009348	0	0.071458	0	0	0	0	0.181203	0.434949	1.002337	0.016161	0.323698	20.02931
LOC100848447	0.063647	3.280159	4.271713	0.887838	1.166458	2.311504	0.182831	0.133626	0	0.036121	0.001056	2.383534	0.070727	0.029673
LOC100848463	1	0	0	0.039008	0.149769	0.024234	0	0	0	0	0	0.042602	0	0
LOC100848469	1	0.698335	0.844466	1.396916	2.194968	0.93914	4.026545	2.088002	1.940566	1.741173	1.458787	1.214765	2.251015	1.853045
LOC100848472	1	1.425107	2.040467	1.398718	1.127923	0.586997	0.510522	0.648917	0.559043	0.657794	0.394834	1.315842	0.554222	0.421192
LOC100848475	1	0.006792	0.010228	0	0.010849	0	0	0	0	0	0	0.005574	0	0
LOC100848478	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848484	1	0.55093	0.338905	0.469545	0.48826	1.191172	0.070322	0.256982	0.2894	0.231553	0.067012	0.607762	0.183054	0.301193
LOC100848485	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848492	1	0.314104	0.309778	0.239011	0.16685	0.119564	0.178513	0.126847	0.12489	0.02939	0.042528	0.229861	0.100434	0.436931
LOC100848495	1	0.189109	0.160171	0	0	0.352811	0	0.050231	0	0	0	0.140418	0.010046	0.071545
LOC100848499	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848503	1	0.074135	0	0	0	0	0	0.052511	0	0	0	0.014827	0.010502	0.708317
LOC100848504	1.92E-06	1.379879	1.88637	2.442604	2.488123	0.039416	32.07804	66.05107	35.43695	27.70792	40.41951	1.647278	40.3387	24.48809
LOC100848507	0.002573	0.488809	0.738237	1.067541	1.156974	1.310486	0	0	0	0.091336	0	0.95241	0.018267	0.01918
LOC100848517	1	0	0	0.007302	0.020024	0	0	0	0	0	0	0.005465	0	0
LOC100848522	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848523	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848527	1	0.18732	0.226053	0.158674	0.14979	0.236055	0.012933	0.013653	0.029379	0.114978	0.092841	0.191578	0.052757	0.27538
LOC100848532	1	0	0	0	0	0	0	0.029672	0	0	0	0	0.005934	#DIV/0!

LOC100848536	1	0.022355	0.006644	0.010279	0.018323	0	0	0.0025	0	0.006083	0	0.01152	0.001717	0.149006
LOC100848538	0.000367	0.264679	0.454768	0.406352	0.261599	0.794108	0.013714	0.009281	0.006773	0.058706	0.005808	0.436301	0.018856	0.043219
LOC100848540	1	0.001722	0.004861	0.00564	0.001031	0	0	0.002744	0.007787	0.0178	0.007155	0.002651	0.007097	2.677473
LOC100848546	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848551	1	0.250412	0	0.182296	0	0	0	0	0	0.647269	0.138756	0.086542	0.157205	1.816524
LOC100848555	1	0	0.186867	0	0	0	0	0	0	0	0.022922	0.037373	0.004584	0.122666
LOC100848559	1	0.001908	0	0.004168	0	0	0	0	0.014797	0	0	0.001215	0.002959	2.435121
LOC100848568	1	0.150201	0.283792	1.558155	1.141829	0.368404	0	0	0	0.68689	0.436947	0.700476	0.224767	0.320878
LOC100848569	0.004697	0.157582	0.315471	0.891668	0.420434	0.349875	0	0	0	0	0	0.427006	0	0
LOC100848570	1	0.054355	0.040922	0.03109	0.049609	0.066727	0.020318	0.011	0.016723	0.040142	0.010757	0.048541	0.019788	0.407662
LOC100848572	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848574	1	13.80239	11.08774	14.97261	10.61237	13.87598	9.413771	11.39217	18.88753	17.09854	7.840543	12.87022	12.92651	1.004374
LOC100848575	1	0.019801	0	0.043244	0	0.053732	0	0	0	0	0	0.023355	0	0
LOC100848581	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848584	1	0.376238	0.205874	0	0	0.073679	0	0	0	0	0	0.131158	0	0
LOC100848596	1	0.00106	0.002793	0.001543	0.001058	0	0	0.007132	0.006391	0.016437	0.012333	0.001291	0.008459	6.553274
LOC100848598	0.008116	0.358736	0.405123	0.875638	0.707787	0	0	0.089682	0	0.327271	0.175394	0.469457	0.118469	0.252354
LOC100848604	1	0.00236	0.000999	0.003221	0.001767	0	0.024699	0.021311	0.02287	0.024398	0.01422	0.001669	0.021499	12.8789
LOC100848610	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848611	1	0	0	0	0	0	0.077974	0.316608	0.134775	0	0	0	0.105871	#DIV/0!
LOC100848612	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848627	1	0.061275	0.034599	0.066911	0	0	0	0	0	0.079193	0.025465	0.032557	0.020932	0.642916
LOC100848634	1	0	0	0	0	0	0	0.024834	0	0	0	0	0.004967	#DIV/0!
LOC100848635	1	0.026823	0.017975	0.001287	0.001412	0	0.00617	0.003758	0.006856	0.016762	0.020089	0.009499	0.010727	1.129219
LOC100848639	1	0.121438	0.179338	0	0	0.354893	0	0.029775	0.120712	0	0	0.131134	0.030097	0.229516
LOC100848642	1	0.077587	0	0.031771	0.034853	0	0.025377	0.061826	0.125324	0	0.032244	0.028842	0.048954	1.697312
LOC100848648	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848652	1	0	0	0	0	0	0.264211	0.080461	0.130479	0	0	0	0.09503	#DIV/0!
LOC100848658	7.46E-07	0.410081	0.334466	0.126651	0.265465	0.578894	0	0	0	0	0	0.343111	0	0
LOC100848665	2.74E-17	9.836317	12.30855	7.436122	10.3154	36.64112	0	0	0	0	0.014974	15.3075	0.002995	0.000196
LOC100848668	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848672	1	0.021415	0	0	0	0	0	0	0	0	0	0.004283	0	0
LOC100848684	1	1.017249	1.091216	1.356259	0.66063	0.987233	0.679092	0.68935	1.125869	3.497888	1.81427	1.022517	1.561294	1.526912
LOC100848685	0.284148	0	0	0	0	0	0	0	0	0.485452	0.039025	0	0.104895	#DIV/0!
LOC100848686	1	0	0	0	0	0	0	0.074665	0.181621	0	0	0	0.051257	#DIV/0!
LOC100848689	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848690	1	0	0	0.096624	0.052998	0	0.578837	0	0.057171	1.029226	0.073546	0.029924	0.347756	11.62121
LOC100848694	1	0	0	0	0.039539	0	0.172736	0	0	0.170633	0	0.007908	0.068674	8.684381
LOC100848699	0.000396	2.804375	3.648076	1.37467	1.291226	4.608793	0.447051	0.355877	0.427022	0.26148	0.168161	2.745428	0.331918	0.120899
LOC100848703	0.00358	5.806613	4.293663	2.019334	1.984813	10.33755	0.309686	0.235772	0.611745	0.191198	0.405775	4.888395	0.350835	0.071769
LOC100848709	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848715	1	0.361171	0.319204	0.102885	0.150485	0.255678	0.082179	0	0	0	0	0.237885	0.016436	0.069092
LOC100848721	1	1.026485	1.388197	1.010196	0.781796	0.309505	0.06632	0.067322	0.081879	0	0.800515	0.903236	0.203207	0.224977
LOC100848724	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848752	1	0.078962	0.109751	0.106123	0.138245	0.280209	0	0	0	0.094202	0.030291	0.142658	0.024899	0.174533

LOC100848757	1	0.014047	0.031727	0	0	0	0	0.029849	0	0	0	0.009155	0.00597	0.652103
LOC100848766	1	0.003924	0.008863	0.051421	0.004701	0	0	0	0	0	0	0.013782	0	0
LOC100848770	1	0.064451	0	0.028151	0	0	0.134916	0.082172	0.26651	1.199469	2.699884	0.01852	0.87659	47.33107
LOC100848774	1	0.022988	0	0.050204	0	0	0	0	0	0.118838	0	0.014638	0.023768	1.62365
LOC100848775	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848785	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848790	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848799	1	1.192024	0.875885	1.079985	0.692135	0.522647	0.190689	0.176977	0.376682	1.1033	0.614364	0.872535	0.492402	0.564335
LOC100848804	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848815	0.545524	15.23043	19.76667	11.59483	5.584627	1.035511	1.128732	0.705096	0.643173	1.114995	0	10.64241	0.718399	0.067503
LOC100848817	1	0	0	0	0.045913	0	0	0	0	0	0	0.009183	0	0
LOC100848820	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848825	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848847	1	0.009227	0.002605	0	0	0	0.004024	0	0.001987	0	0	0.002366	0.001202	0.508046
LOC100848850	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848851	1	0.127584	0.073511	0.079611	0.037428	0.04946	0.136263	0.226847	0.154773	1.022996	0.419846	0.073519	0.392145	5.333936
LOC100848853	1	0.015992	0.012171	0.018981	0.013743	0.014151	0.003639	0.008126	0.001797	0.016175	0.063571	0.015008	0.018662	1.243466
LOC100848862	1	0.00149	0.001683	0	0.010712	0	0.670791	0.082344	0.096298	0.007705	0.004955	0.002777	0.172419	62.08445
LOC100848863	1	0.006062	0	0.044132	0.004841	0	0	0	0	0.083573	0.033592	0.011007	0.023433	2.128864
LOC100848869	1	0.023359	0.015828	0	0.033578	0	0	0.962964	0.507115	0.362277	0.108727	0.014553	0.388217	26.67586
LOC100848872	1	0.323524	0.118403	5.047355	5.379018	0.081291	0.062708	0.019096	0.201291	9.880158	7.716011	2.189918	3.575853	1.63287
LOC100848875	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848878	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848883	2.29E-08	10.79463	8.645949	4.076014	13.12996	21.21492	0.289999	0.113042	0	0.126047	0.007369	11.57229	0.107291	0.009271
LOC100848886	1	0.081647	0.052064	0.219049	0.01349	0.01528	0	0.002243	0.00091	0.018193	0.006435	0.076306	0.005556	0.072816
LOC100848895	7.27E-07	3.595757	3.160045	9.754034	4.181773	4.266676	0.0477	0.251788	0.341569	0.471198	0.242427	4.991657	0.270937	0.054278
LOC100848906	4.76E-18	28.80975	39.84036	12.55802	16.88579	38.20664	0	0	0	0	0.196795	27.26011	0.039359	0.001444
LOC100848912	1	0.268939	0.134984	0.261045	0.125284	0.445996	0	0	0	0	0.099348	0.24725	0.01987	0.080362
LOC100848914	1	0	0.004338	0	0	0	0	0	0	0	0.006386	0.000868	0.001277	1.471996
LOC100848921	1	0.000852	0.001923	0	0	0	0	0.003619	0	0.004402	0.004247	0.000555	0.002454	4.421066
LOC100848930	1	0.025972	0.034506	0.023356	0.033857	0.012438	0.007995	0	0.005923	0.027643	0.016508	0.026026	0.011614	0.44624
LOC100848932	1	0.007012	0	0.005105	0	0	0	0	0	0	0	0.002423	0	0
LOC100848933	1	3.934335	4.95537	0.846634	0.91887	13.94435	0.733803	0.227848	0	0	0	4.919911	0.19233	0.039092
LOC100848939	0.165289	3.533288	4.547927	3.374267	4.839314	2.714933	0	0	0	0	0	3.801946	0	0
LOC100848940	0.000255	0.153328	0.105743	0.23517	0.09534	0.196924	0	0	0	0	0.007783	0.157301	0.001557	0.009895
LOC100848941	1	2.328999	3.66136	8.593534	3.959009	1.845669	1.84926	1.438067	2.141314	1.889229	0.699905	4.077714	1.603555	0.393248
LOC100848955	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848958	1.93E-12	0.84946	1.225773	0.963134	0.341137	0.366529	0	0	0	0	0	0.749206	0	0
LOC100848959	1	8.149098	9.303677	6.426536	3.990284	14.86786	0.186945	1.024753	0.865516	6.140284	0.363715	8.547491	1.716243	0.200789
LOC100848982	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100848985	1	0.174243	0.070276	0.027181	0.059636	0.422176	0.423368	0.119011	0.160829	0.096511	0.072412	0.150702	0.174426	1.157422
LOC100848991	0.000202	5.576271	3.808616	6.137892	5.386575	1.743225	0.186768	0.739396	0.438111	0.415113	0.341122	4.530516	0.424102	0.09361
LOC100848993	1	0.042928	0.00808	0	0	0	0	0	0	0	0	0.010201	0	0
LOC100848995	1	0.167362	0.086284	0.071513	0.02615	0.128351	0	0	0	0	0.006048	0.095932	0.00121	0.012609
LOC100849008	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100849009	1	3.257521	5.075744	8.029422	8.79223	2.361288	1.84594	2.47185	1.638949	2.672706	0.727048	5.503241	1.871299	0.340036

LOC100849014	1	0.121037	0	0	0.024165	0	0	0	0	0.417144	0	0.02904	0.083429	2.872862
LOC100849017	0.000631	0.464027	0.259256	0.04267	0.119948	0.437412	0	0	0	0	0	0.264663	0	0
LOC100849023	1	0	9.171614	3.879959	2.736183	0	0	0	0	0	0	3.157551	0	0
LOC100849037	0.019331	0.002143	0.003226	0	0	0	0.041115	0.021247	0.040608	0.081229	0.097355	0.001074	0.056311	52.44184
LOC100849043	0.263903	0.367177	0.359028	0.051621	0.082132	0.266849	0.014164	0.03604	0.020984	0.041042	0.04619	0.225361	0.031684	0.140592
LOC100849046	1	0.211021	0	0.105614	0.052663	0	0.023007	0	0	0.79545	0.131545	0.07386	0.19	2.572455
LOC100849050	1	2.74296	5.626327	2.261726	2.615209	4.633194	1.611254	0.535284	0.795707	3.47268	2.047219	3.575883	1.692429	0.47329
LOC100849067	6.49E-05	0.51083	0.512785	0.385651	0.491047	1.660046	0	0	0	0	0	0.712072	0	0
LOC100849068	1	0.046167	0.062564	0.020166	0.121668	0	0	0	0	0	0	0.050113	0	0
LOC100849069	0.000799	0.378724	0.583481	0.201465	0.365978	0.275593	0.004429	0	0.001094	0.024063	0.023916	0.361048	0.0107	0.029637
LOC100849080	1	0	0.008757	0	0.023222	0	0	0	0	0	0	0.006396	0	0
LOC100849237	1	0.091378	0.167173	0.019957	0.022987	0.146302	0.066949	0.021359	0.040147	0.047239	0.024304	0.089559	0.04	0.446629
LOC100849301	1	0.017827	0	0	0	0	0	0	0	0	0	0.003565	0	0
LOC100849367	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100849368	1	0	0.015031	0	0	0	0	0	0	0	0	0.003006	0	0
LOC100849486	1	0.013812	0.007799	0	0	0	0.018071	0.036687	0.035696	0	0	0.004322	0.018091	4.185569
LOC100849587	1.02E-22	1.035691	0.9064	1.463926	1.528243	1.16273	0	0	0	0	0.005826	1.219398	0.001165	0.000956
LOC100849610	1	0.036126	0.027475	0.00322	0.007065	0.012004	0	0	0	0	0.001226	0.017178	0.000245	0.014269
LOC100849652	1	0.251214	0.255089	0.364224	0.332538	0.203368	0	0.002243	0.005456	1.435102	0.868541	0.281287	0.462268	1.643407
LOC100849681	1	0.328912	0.536903	0.646498	0.451311	0.657248	0.062593	0.101661	0.370933	0.370987	0.183911	0.524174	0.218017	0.415924
LOC100849762	0.012691	0.528789	1.212769	0.195098	0.257746	0.964459	0.027648	0.100016	0.047168	0.067038	0.009581	0.631772	0.05029	0.079602
LOC100849865	1	0.204237	0.332645	0.14572	0.129638	0.253931	0.0511	0.119305	0.060985	0.042065	0.058163	0.213234	0.066324	0.311037
LOC100850168	1	0	0.423481	0	0.037433	0	0	0	0	0	0	0.092183	0	0
LOC100850276	3.16E-05	4.407129	3.337866	0.422655	0.242362	2.936165	0	0	0	0	0	2.269235	0	0
LOC100850308	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100850347	1	0.035637	0	0	0	0	0	0	0	0	0	0.007127	0	0
LOC100850436	1	0.21323	0.199814	0.092477	0.170285	0.168256	0.023743	0.012854	0.109435	0	0.010056	0.168812	0.031217	0.184923
LOC100850437	1	0.00557	0.025159	0.133803	0.226843	0.060457	0.058296	0.035506	0	0	0	0.090366	0.01876	0.207602
LOC100850659	1	0.019633	0.03104	0.025727	0.004704	0.053277	0.041098	0.050063	0.010148	0.081196	0.006527	0.026876	0.037807	1.406694
LOC100850808	1	0.029954	0	0	0	0	0	0	0	0	0	0.005991	0	0
LOC100850875	1	0.132076	0.125216	0.081905	0.082036	0.212392	0	0.00693	0.004214	0.025288	0.013553	0.126725	0.009997	0.078887
LOC100851116	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100851323	3.46E-18	1.650762	1.686088	0.991364	0.914439	1.398453	0.006301	0.010234	0.003112	0	0.004003	1.328221	0.00473	0.003561
LOC100851369	2.24E-05	0.234879	0.160434	0.136516	0.133873	0.539722	0	0	0	0	0	0.241085	0	0
LOC100851523	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100851552	1	1.762956	0.392766	0.654801	0.071831	0.06509	0	0	0	0	0	0.589489	0	0
LOC100851681	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100851938	1	0	0	0	0	0	0	0	0	0.020862	0.140873	0	0.032347	#DIV/0!
LOC100852061	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100852077	0.048366	0.139493	0.171852	0.387734	0.151907	0.240889	0	0	0	0	0	0.218375	0	0
LOC100852257	1	0	0	0	0	0	0	0	0	0	0.037934	0	0.007587	#DIV/0!
LOC100852273	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC100852304	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101901896	1.96E-15	0.704801	0.397968	0.316906	0.546297	0.731288	27.01252	15.24097	34.87673	71.69255	54.68684	0.539452	40.70192	75.45049
LOC101901897	1	0.011715	0.010824	0.013955	0.010206	0	0	0	0	0	0	0.00934	0	0
LOC101901898	1	0	0.058792	0	0	0.070638	0	0.08297	0.033637	0	0	0.025886	0.023321	0.900923

LOC101901900	0.0007	1.009586	1.374004	0.876305	0.48065	0.561986	0	0	0	0	0	0.860506	0	0
LOC101901906	1	0.00299	0.002251	0.004353	0.010744	0	0	0	0	0	0	0.004068	0	0
LOC101901911	1	0	0.011845	0.022908	0	0	0	0	0	0	0	0.006951	0	0
LOC101901912	1	0.007205	0	0	0	0	0	0	0	0	0	0.001441	0	0
LOC101901915	1	0.003057	0.004343	0.001292	0.001063	0.000535	0.001032	0.000629	0.001019	0.003059	0.001148	0.002058	0.001377	0.669191
LOC101901918	1	0.401895	0.169575	0.077163	0.153422	0.407481	0.057782	0.018769	0	0.022831	0	0.241907	0.019876	0.082166
LOC101901919	1	0.035841	0.040476	0	0	0	0	0	0.046315	0	0	0.015263	0.009263	0.606875
LOC101901923	1	0.01479	0.014065	0.0017	0.002797	0.004225	0.008147	0.016541	0.012071	0.016097	0.002588	0.007515	0.011089	1.475457
LOC101901933	1	0.013143	0.029684	0	0.094461	0	0	0	0	0	0	0.027458	0	0
LOC101901937	1	0.006001	0.004236	0.002457	0.006739	0.001018	0	0	0.000969	0.005817	0.01247	0.00409	0.003851	0.941552
LOC101901940	1	0.054046	0	0	0	0	8.249467	1.665244	2.933239	0	0	0.010809	2.56959	237.7238
LOC101901943	1	0.012177	0	0	0	0	0	0.107814	0.005245	0.010492	0.020242	0.002435	0.028759	11.80864
LOC101901945	0.027184	0.29794	0.364615	0.425151	0.308555	0.467068	0	0.03279	0.030678	0.024546	0.047357	0.372666	0.027074	0.07265
LOC101901948	1	0.010643	0.014204	0	0	0.007877	0.010127	0.003084	0.00125	0	0	0.006545	0.002892	0.441911
LOC101901950	0.004338	0.195702	0.110504	1.189613	0.261781	0.123917	0	0	0.00843	0	0	0.376303	0.001686	0.00448
LOC101901951	1	0	0.005543	0.037517	0.029397	0.053276	0	0.031288	0.006342	0	0.004079	0.025147	0.008342	0.331738
LOC101901960	6.52E-05	0.33406	0.320668	0.430449	0.224095	0.13598	0	0	0	0	0	0.28905	0	0
LOC101901963	1	0.061413	0.038609	0.038716	0.025028	0.03608	0.01988	0.018835	0.02618	0.042549	0.057885	0.039969	0.033066	0.827287
LOC101901964	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101901970	1	0	0	0.037229	0.009282	0	0.00811	0.003293	0	0.016023	0.007728	0.009302	0.007031	0.755823
LOC101901976	1	0.150764	0.261469	0.352781	0.0903	1.797222	0	0.011442	0.111326	0.027836	0	0.530507	0.030121	0.056777
LOC101901983	1	0.043327	0.062909	0.051536	0.044486	0.014697	0	0.000822	0.005999	0.053996	0.018649	0.043391	0.015893	0.366277
LOC101901989	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101901997	1	0.58266	1.194623	0	0	3.561419	0.148022	0.180309	0.102339	0	0	1.06774	0.086134	0.080669
LOC101901998	1	0.01356	0.002784	0.002692	0.000984	0.007806	0.008602	0.001746	0	0.021243	0.013662	0.005565	0.009051	1.626219
LOC101901999	1	0	0	0.046112	0	0	0	0	0	0	0	0.009222	0	0
LOC101902002	1.23E-14	0.589975	0.055522	0.107374	0.058894	0	177.7905	68.95173	33.16348	42.95359	71.10334	0.162353	78.79253	485.3163
LOC101902022	1	0	0	0	0	0	4.873711	1.319287	2.707705	0	0	0	1.780141	#DIV/0!
LOC101902029	0.000216	5.356519	5.625956	3.514342	5.88843	18.42402	0	0	0	0	0	7.761853	0	0
LOC101902030	1	0.083609	0.070441	0.060866	0.092206	0.117045	0.038199	0.021151	0.018864	0.065177	0.079421	0.084834	0.044562	0.525293
LOC101902036	1.05E-08	1.289404	1.203084	1.077467	0.937102	1.221456	0.020573	0	0	0.040645	0.009802	1.145703	0.014204	0.012398
LOC101902037	1	1.129677	1.43522	0.616793	0.845771	2.426911	0	0.100021	0.121649	0	0.93895	1.290874	0.232124	0.179819
LOC101902038	0.731489	0.024438	0.055197	0.186803	0.226878	0.265271	0	0	0	0	0	0.151717	0	0
LOC101902043	1	0.053383	0.04019	0.079883	0.072236	0.029509	0	0	0	0.015332	0.00493	0.05504	0.004052	0.073625
LOC101902048	0.695185	0.007781	0.014379	0.030898	0.034742	0.009598	0	0	0	0	0	0.01948	0	0
LOC101902049	1	0	0.461073	0	0	0	0	0	0	0	0	0.092215	0	0
LOC101902053	1	0.023402	0.020614	0.021466	0.005607	0.012701	0.017146	0.002984	0.007258	0.036294	0.021785	0.016758	0.017093	1.020014
LOC101902055	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902059	1	0.003358	0.00632	0	0	0	0.005858	0.014271	0.037606	0.028932	0.007443	0.001936	0.018822	9.723938
LOC101902060	1	0	0.014827	0	0	0	0	0.069746	0	0	0	0.002965	0.013949	4.704106
LOC101902066	0.168847	0.363432	0.26557	0.210103	0.268894	0.37709	0	0	0	0	0	0.297018	0	0
LOC101902067	1	0.046062	0.066205	0.274359	0.140453	0.170452	0.043829	0.071186	0.129868	0.281421	0.104415	0.139506	0.126144	0.904215
LOC101902083	1	0	0	0	0.001178	0	0	0	0	0.01017	0	0.000236	0.002034	8.631213
LOC101902084	1	0.395554	0.518173	0.20733	0.208486	1.051934	0	0.084053	0.163566	0	0.065754	0.476295	0.062675	0.131588
LOC101902090	1	0.021829	0.012678	0	0.004483	0.010155	0	0.002651	0.006447	0.003224	0.004147	0.009829	0.003294	0.335123
LOC101902096	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC101902100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902104	1	0	0	0	0	0	0	0.023528	0.011446	0	0	0	0.006995	#DIV/0!
LOC101902106	0.128033	0.210569	0.272767	0.013526	0.007419	0.352933	0	0	0	0	0	0.171443	0	0
LOC101902111	1	0.091169	0	0	0	0	0	0	0	0	0	0.018234	0	0
LOC101902122	0.022075	0.188826	0.143545	0.026573	0.024747	0.02529	0.000813	0.00121	0.002275	0.015524	0.003012	0.081796	0.004567	0.055833
LOC101902123	1	0.239942	0.197067	0.095277	0	0.59193	0	0	0	0	0	0.224843	0	0
LOC101902124	1	0.159217	0.141714	0.153268	0.166178	0.127946	0.00949	0.038149	0.082954	0.155619	0.132336	0.149664	0.083709	0.559314
LOC101902125	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902128	8.75E-08	0.9098	0.728995	2.871643	1.152121	0.523172	0.011336	0.013809	0.022394	0.011198	0.046812	1.237146	0.02111	0.017063
LOC101902130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902131	1	0.157455	0.039514	0	0	0	0.091557	0.018588	0	0	0	0.039394	0.022029	0.559199
LOC101902135	1	0.027431	0.082607	0.079877	0.043812	0	0	0	0	0	0	0.046745	0	0
LOC101902141	1	0	0.439759	0	0	0.242526	0.902018	0.515473	1.319867	0	0	0.136457	0.547471	4.012043
LOC101902143	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902145	1	0.143824	0.101817	0.023441	0.068143	0.133981	0.039319	0.086668	0.016644	0.011097	0.016058	0.094241	0.033957	0.360323
LOC101902154	1	0	0	0.04619	0.05067	0	0	0	0	0	0	0.019372	0	0
LOC101902163	1	0.00258	0.003884	0.002817	0.003605	0.002333	0	0.002741	0.003333	0.003334	0.009291	0.003044	0.00374	1.228652
LOC101902172	1	0.158355	0	0	0.151754	0	0	0	0.081852	0.327455	0	0.062022	0.081861	1.319882
LOC101902174	1	0.011212	0	0.795847	0.188039	0	0	0	0	0	0.037278	0.19902	0.007456	0.037461
LOC101902180	1	0	0	0	0	0	0	0	0.015093	0	0	0	0.003019	#DIV/0!
LOC101902189	1	0.034041	0.007322	0	0.005825	0.008798	0.076349	0	0	0	0	0.011197	0.01527	1.363704
LOC101902198	1	0.470276	0.830671	0.500364	0.861863	1.036209	0.021035	0.025623	0	0.23896	0.253903	0.739877	0.107904	0.145841
LOC101902201	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902204	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902207	0.015591	0.180356	0.169232	0.136124	0.136618	0.30949	0	0	0.003427	0.013711	0.015431	0.186364	0.006514	0.034953
LOC101902211	1	0.114322	0.19148	0.892094	0.773972	0.0488	0.336114	0.384863	0.780142	0.225776	0.102494	0.404134	0.365878	0.905339
LOC101902212	1	0.008947	0	0	0	0.005395	0.010405	0.048584	0.007707	0.035973	0.033049	0.002868	0.027144	9.46314
LOC101902217	1	0.002982	0.006735	0.006513	0.007144	0	0	0	0	0	0.012393	0.004675	0.002479	0.530192
LOC101902219	1	0.355423	0.255425	0	0	0.263046	0	0	0	0	0	0.174779	0	0
LOC101902221	0.214943	2.223043	1.486098	1.841566	1.59166	0.03467	18.38693	10.6694	11.42462	15.85149	16.11976	1.435407	14.49044	10.095
LOC101902225	1	0.0038	0.002575	0	0.001821	0	0.011933	0.00323	0.005893	0.039294	0.003791	0.001639	0.012828	7.82538
LOC101902226	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902227	1	0	0	0	0.110951	0	0	0	0	0	0	0.02219	0	0
LOC101902228	1	0.00585	0.012773	0.011073	0.002803	0.003175	0	0.000829	0	0	0.00389	0.007135	0.000944	0.132273
LOC101902232	1	0.139339	0.269753	0.73904	0.298059	0.18906	0	0	0	0.102904	0.066179	0.32705	0.033817	0.103399
LOC101902234	1	0.920439	0.973109	2.523447	1.853287	6.589861	0	0.124844	0.202453	2.632272	3.743806	2.572029	1.340675	0.521252
LOC101902235	1	0	0.008235	0.006371	0	0.015831	0.007633	0.052686	0.090465	0	0	0.006087	0.030157	4.953924
LOC101902237	1	0.052418	0.017221	0	0	0.015518	0.009975	0.068857	0	0	0	0.017031	0.015766	0.925731
LOC101902240	1	0.054636	0.067577	0.045456	0.040515	0.087076	0	0	0	0.035866	0	0.059052	0.007173	0.121474
LOC101902249	4.48E-17	0.083685	0.186172	0.214663	0.192316	0.101038	0.001566	0.001018	0.001702	0.004951	0.004478	0.155575	0.002743	0.017631
LOC101902260	1	0.00364	0.008736	0.001988	0.000545	0	0.004763	0.009669	0.00588	0.051753	0.022693	0.002982	0.018952	6.355766
LOC101902265	1	0	0	0.452262	0.095409	0	0	0	0	0	0	0.109534	0	0
LOC101902272	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902276	1	0.028163	0	0.015376	0	0	0	0	0	0	0	0.008708	0	0
LOC101902280	1	0.129142	0.104172	0	0	0.200256	0	0	0	0	0	0.086714	0	0

LOC101902283	1	0.267453	0.628492	0.951969	0.549418	0.15751	0.011912	0.094318	0.017648	0	0	0.510968	0.024776	0.048487
LOC101902287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902288	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902290	1	0.144025	0	0	0	0.156335	3.9194	28.89076	13.40009	0	0	0.060072	9.242051	153.8496
LOC101902292	1	0	0	0	0	0	0.118133	0.191867	0.350034	0	0	0	0.132007	#DIV/0!
LOC101902293	1.69E-29	1.063212	1.492619	0.832074	0.6909	1.123411	0.007075	0.012066	0.009784	0.013979	0.005843	1.040443	0.00975	0.009371
LOC101902301	1	0.386665	0.06238	0	0	0.199863	0.481797	0.66514	0.333105	0.095187	0.061216	0.129782	0.327289	2.52184
LOC101902306	0.00102	0.190954	0.621566	1.422828	1.009158	3.596822	0	0	0	0	0	1.368266	0	0
LOC101902321	1	0.022829	0.017187	0.016619	0.009116	0.02065	0	0.024256	0.0295	0.01967	0.0253	0.01728	0.019745	1.14263
LOC101902324	1	0.020003	0.023426	0	0	0.016083	0.019385	0.034633	0.015317	0	0	0.011902	0.013867	1.165083
LOC101902325	1	0	0.018018	0	0	0	0	0	0	0.024745	0	0.003604	0.004949	1.373314
LOC101902340	0.189974	0	0	0.070597	0.077444	0	7.105048	6.594163	1.670847	0.167109	0.483616	0.029608	3.204157	108.2187
LOC101902345	1	0.183381	0.262655	0.361424	0.176808	0	0.187257	0.104547	0.057797	0.161856	0.037176	0.196853	0.109727	0.557402
LOC101902346	0.034331	3.374255	1.695911	3.927562	1.132648	0.301867	29.6897	12.84318	27.50334	13.41821	25.98078	2.086449	21.88704	10.4901
LOC101902360	1	0	0	0	0	0	0.207355	0.436283	0.660952	0	0	0	0.260918	#DIV/0!
LOC101902361	1.22E-07	0.627255	0.303584	0.36631	0.553217	0.573623	0	0	0	0.011878	0	0.484798	0.002376	0.0049
LOC101902363	1	0.015187	0	0.018092	0.016539	0.014986	0	0	0	0	0.00459	0.012961	0.000918	0.070832
LOC101902366	1	0.031354	0.035408	0	0	0	0.164084	0.333125	0.567223	0	0	0.013352	0.212887	15.94378
LOC101902371	1	0.004353	0.005735	0.012675	0.007821	0	0	0.001542	0.001875	0.011251	0.007236	0.006117	0.004381	0.716173
LOC101902375	1	0.053813	0	0	0	0	0	0.571754	0.069539	0	0.044728	0.010763	0.137204	12.74814
LOC101902381	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902382	1	0	0.015887	0	0	0	0	0	0	0	0	0.003177	0	0
LOC101902385	1	0.167038	0.159931	0	0	0.305475	0	0	0	0	0	0.126489	0	0
LOC101902389	1	0	0	0	0	0	0	0	0.041628	0	0	0	0.008326	#DIV/0!
LOC101902390	1	0.051601	0.053417	0.02066	0.015968	0.05426	0.023629	0.033351	0.076126	0.013338	0.011794	0.039181	0.031648	0.807723
LOC101902407	1	0.024273	0.054822	0.026505	0.079959	0.032934	0	0	0	0	0	0.043699	0	0
LOC101902413	1	0.062034	0.008757	0	0	0	4.626202	0.757963	0.941904	0	0	0.014158	1.265214	89.36231
LOC101902424	1	0	0.033935	0	0	0	0	0	0	0	0.149856	0.006787	0.029971	4.415988
LOC101902425	1	0.003848	0.002607	0	0	0	0	0	0.003978	0	0	0.001291	0.000796	0.61623
LOC101902428	1	0.033419	0.009435	0.029195	0.017014	0.004534	0.021862	0.02308	0.034548	0.030234	0.0125	0.01872	0.024445	1.305839
LOC101902430	1	0.028521	0	0.062288	0.102494	0.503073	0	0	0	0	0	0.139275	0	0
LOC101902435	1	2.628447	1.455891	1.12075	1.679254	1.596375	0.884284	0.053194	0.048522	0.194116	0.104032	1.696143	0.25683	0.15142
LOC101902438	1	0.040292	0.037472	0.014235	0.011357	0	0.015505	0.026441	0.053598	0.045948	0.022655	0.020671	0.032829	1.58816
LOC101902440	1	0.288937	0	0	0	1.724974	0.30242	0	0	0	0	0.402782	0.060484	0.150166
LOC101902444	3.89E-08	0.238011	0.469813	0.362554	0.380948	0.591608	0	0.00425	0	0	0	0.408587	0.00085	0.00208
LOC101902449	1	0.046069	0	0	0	0.041672	0	0	0	0	0	0.017548	0	0
LOC101902451	0.813351	0.117099	0.244136	0	0	0.19555	6.788133	7.216056	6.099274	0.465661	1.048156	0.111357	4.323456	38.82517
LOC101902455	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902458	5.43E-11	0.577715	0.381547	1.019503	1.263592	1.014823	0	0	0	0	0	0.851436	0	0
LOC101902460	1	0.006783	0	0	0	0	0.035495	0	0	0	0	0.001357	0.007099	5.233328
LOC101902461	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902468	1	0.244997	0.24178	0.163893	0.224737	0.251561	0	0	0.022817	0.034231	0.033022	0.225394	0.018014	0.079922
LOC101902469	4.61E-17	0.484577	0.601858	0.498176	0.312589	0.333	0.001563	0.000634	0.000772	0.003087	0.007445	0.44604	0.0027	0.006053
LOC101902473	1	0.006382	0.003603	0	0.011467	0	0	0	0	0	0	0.00429	0	0
LOC101902475	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902479	1	0.005042	0.003189	0.004845	0.004107	0.007115	0.0095	0.001714	0.001564	0.011469	0.002682	0.00486	0.005386	1.108254

LOC101902485	1	0.036816	0.038804	0.013401	0.00147	0	0	0.005215	0.003172	0.012688	0	0.018098	0.004215	0.2329
LOC101902486	1	0.06687	0.021576	0	0	0	0	0	0	0	0	0.017689	0	0
LOC101902490	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902491	1	0	0.648015	0	0	0	0.730453	0.823873	0.921863	0	0	0.129603	0.495238	3.821192
LOC101902492	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902504	1	0.003637	0.004107	0.009266	0.007986	0	0.006344	0	0.006266	0.006267	0.002015	0.004999	0.004178	0.835792
LOC101902515	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902527	1	0	0.077125	0	0	0	0.357405	1.088412	0.176502	0	0	0.015425	0.324464	21.03495
LOC101902531	1	0.069764	0.051617	0	0	0.045697	0	0	0	0	0	0.033416	0	0
LOC101902535	1	0.00627	0.021832	0.019399	0.003129	0.005671	0.010937	0.016654	0.047262	0.032413	0.103358	0.01126	0.042125	3.741018
LOC101902537	0.211899	0.027019	0.011096	0.061691	0.060319	0.049992	0	0	0	0	0	0.042023	0	0
LOC101902542	1	0.14348	0.168784	0.084867	0.15397	0.194678	0.062573	0.025407	0.061802	0.015453	0.004969	0.149156	0.034041	0.228224
LOC101902547	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902551	9.10E-07	0.75587	0.890992	0.373536	0.740223	1.048049	0	0	0	0	0	0.761734	0	0
LOC101902552	1	0.000905	0.002044	0.266759	0.275292	0.002455	0	0.001923	0	0.736685	0.476028	0.109491	0.242927	2.218697
LOC101902554	1	0	0.01069	0	0	0	0	0	0	0	0	0.002138	0	0
LOC101902559	1	0	0	0.057933	0	0	0	0	0	0	0	0.011587	0	0
LOC101902561	1	0.312436	0.235224	0	0.124755	0.188411	1.090054	0.442607	0.628035	1.974111	0.057708	0.172165	0.838503	4.870339
LOC101902570	0.76501	0.141534	0.304077	0.067852	0.090974	0.103045	0	0.003668	0	0.026769	0.008608	0.141496	0.007809	0.055188
LOC101902586	1	0.004613	0	0.002878	0.012631	0.001788	0.003449	0	0.003406	0.020441	0.026292	0.004382	0.010717	2.44575
LOC101902603	0.020099	0	0	0	0	0	0.115658	0.150279	0.057117	0.754055	0.198386	0	0.255099	#DIV/0!
LOC101902607	0.645219	0	0	0	0	0	5.366217	2.637626	2.417607	0	0	0	2.08429	#DIV/0!
LOC101902612	1	0	0	0.038495	0	0	0	0	0.083516	0	0.22464	0.007699	0.061631	8.005044
LOC101902622	1	0	0	0	0	0	0	0	0	0.475086	0.013888	0	0.097795	#DIV/0!
LOC101902630	1	0	0.011571	0.013427	0.00491	0	0	0	0	0	0	0.005982	0	0
LOC101902632	1	0	0	0	0	0	0.014967	0.006077	0	0	0.090328	0	0.022274	#DIV/0!
LOC101902643	1	0.017232	0.012973	0	0	0.015587	0.008588	0.003487	0.008483	0	0	0.009158	0.004112	0.448954
LOC101902644	0.353223	0.563692	0.561689	0.267941	0.317761	0.917804	0	0.014092	0.00857	0.051425	0.088192	0.525777	0.032456	0.061729
LOC101902646	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902647	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902656	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902663	1	0.123552	0.12164	0.120585	0.056924	0.087198	0.097107	0.066357	0.129831	0.26204	0.100812	0.10198	0.131229	1.286816
LOC101902664	1	0.468384	0.639146	0.412014	0.514318	0	0.544712	0.387058	0.084063	0.269042	0.205466	0.406772	0.298068	0.732764
LOC101902665	1.03E-17	2.257576	2.792302	1.033048	1.120368	3.996693	0	0	0	0.055575	0.071483	2.239998	0.025412	0.011344
LOC101902668	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902669	1	0.003	0.010163	0.013103	0.003594	0	0.031399	0.098807	0.108543	0.069788	0.044882	0.005972	0.070684	11.83576
LOC101902672	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902675	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902679	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902681	0.022691	0.234761	0.079535	0	0	0	229.7447	60.41138	114.6713	0	0	0.062859	80.96548	1288.045
LOC101902689	1	0	0	0	0	0	0	0	0	0	0.021893	0	0.004379	#DIV/0!
LOC101902691	1	0	0.006185	0.001994	0	0	0	0	0	0	0	0.001636	0	0
LOC101902699	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902700	1	0.005525	0.002753	0.001774	0.002725	0	0.001701	0	0.00042	0.00084	0.001891	0.002555	0.00097	0.379716
LOC101902701	1	0.004868	0.005955	0.003544	0.001944	0.001101	0	0.000862	0.001048	0.006291	0.001011	0.003482	0.001843	0.529141
LOC101902704	1	0	0	0	0	0	0	0	0	0	0.016749	0	0.00335	#DIV/0!

LOC101902705	1	1.779333	2.156801	1.073636	0.974527	2.490999	0.387044	0.462224	0.944453	0.89961	0.600247	1.695059	0.658716	0.388609
LOC101902712	1	0.224116	0.101238	0.114207	0.089489	0.304088	0	0.015874	0.096536	0.386199	0.124185	0.166628	0.124559	0.747528
LOC101902721	1	0.005204	0.002671	0.013432	0.019268	0	0	0	0	0.053806	0.048759	0.008115	0.020513	2.527758
LOC101902724	1	0.758517	0.411167	0	0.944968	0.494008	0	0	0	0.15685	0	0.521732	0.03137	0.060127
LOC101902734	1	0.059292	0.050219	0	0	0	0.853316	1.858403	2.413498	0	0	0.021902	1.025043	46.80054
LOC101902742	1	0	0	0.052118	0	0	0	0	0	0	0	0.010424	0	0
LOC101902744	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902745	1	0.012995	0.006457	0.021569	0.009963	0.001411	0	0.002209	0.00806	0.029559	0.028515	0.010479	0.013669	1.304392
LOC101902747	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902749	1	0.002458	0	0.005368	0	0	0	0.026115	0.031762	0	0.04903	0.001565	0.021381	13.66065
LOC101902751	1	0.334179	0.030191	0	0.096075	0.108822	0	0	0.069093	0	0	0.113854	0.013819	0.121372
LOC101902754	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902756	1	0	0	0	0	0	0.072323	0.117464	0.357161	0	0	0	0.109389	#DIV/0!
LOC101902757	1	0.047354	0.039908	0.003859	0.002117	0.013426	0.03144	0.051064	0.101378	0.007308	0.002937	0.021333	0.038825	1.819979
LOC101902760	3.40E-09	3.597144	1.411106	22.07956	3.537913	3.699082	341.6249	374.3024	311.5834	226.6747	78.61672	6.864961	266.5604	38.82912
LOC101902766	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902768	1	0.481355	0.47246	0.148604	0.04556	0.247541	0.010885	0.00442	0.006143	0.102917	0.021239	0.279104	0.029121	0.104337
LOC101902772	1	0.846733	0.709772	0.209707	0.308471	1.065968	6.646845	1.354086	0.473763	0.541522	1.45834	0.62813	2.094911	3.335154
LOC101902784	1	0.013723	0.015497	0	0	0.01064	0.01026	0.066653	0.405329	0	0	0.007972	0.096448	12.09827
LOC101902786	1	0.139858	0.248195	0	0	0	9.82865	10.23184	13.63198	0	0	0.07761	6.738495	86.82458
LOC101902787	1.22E-05	0.100837	0.056938	0.165168	0.090594	0.342048	7.519907	4.017627	7.492461	8.080003	5.363988	0.151117	6.494797	42.97862
LOC101902790	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902793	1	0.027703	0.016563	0.003559	0.023425	0.048644	0.008528	0	0.004212	0.025273	0	0.023979	0.007603	0.317056
LOC101902797	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902800	0.55617	0.082735	0	0	0	0	12.55643	5.713761	17.64051	0	0	0.016547	7.182138	434.0439
LOC101902801	1	0.041978	0.012475	0.028951	0.021173	0.017987	0	0	0	0.074241	0.005509	0.024513	0.01595	0.650681
LOC101902807	1	0.759445	0.579491	0	0	0	20.19439	34.78357	15.27757	0	0	0.267787	14.05111	52.47116
LOC101902808	1	4.688326	5.605998	2.850892	2.389602	1.746236	9.381237	11.13451	12.78194	23.04886	18.49061	3.456211	14.96743	4.33059
LOC101902809	1	0.875784	0.929494	0.22655	0.403342	1.458256	0.080096	0.032522	0.096689	0.676925	0.158305	0.778685	0.208908	0.268282
LOC101902812	1	0	0.063343	0.040833	0	0	0	0	0	0	0	0.020835	0	0
LOC101902815	1	0.323013	0.707227	0	0	0.804995	0	0	0	0	0	0.367047	0	0
LOC101902818	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902820	1	0.206747	0.037357	0.144489	0.059439	0.179534	0	0	0	0	0	0.125513	0	0
LOC101902831	1	0.014579	0.007644	0.017057	0.011538	0.004945	0.00545	0.006638	0.014129	0.043066	0.017743	0.011153	0.017405	1.560655
LOC101902838	1	2.037709	2.850926	2.225138	2.30535	3.594286	0.473955	1.082507	0.848466	1.170468	1.712494	2.602682	1.057578	0.406342
LOC101902839	1	0	0	0.019926	0.043716	0	0	0	0	0	0.015166	0.012728	0.003033	0.238309
LOC101902840	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902841	1	0.915065	0.943122	1.450694	0.614108	0.912496	0.028848	0.117137	0.263562	0.840671	0.032072	0.967097	0.256458	0.265183
LOC101902843	1	0.012251	0	0	0	0	0.021371	0.026033	0.073878	0.084445	0.027154	0.00245	0.046576	19.00906
LOC101902848	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902851	1	1.1043	1.080228	0.883175	0.63347	0.495934	0	0	0	0.140711	0.090493	0.839422	0.046241	0.055086
LOC101902852	1	0.571797	0.612449	0.746695	0.741443	0.591874	0.925485	1.077252	0.106644	0.335215	0.078393	0.652851	0.504598	0.772914
LOC101902854	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902856	0.373033	0.493562	0.369987	0.390281	0.555557	0	5.611282	6.102897	4.189629	2.243592	3.38088	0.361877	4.305656	11.89811
LOC101902861	1	0.012178	0.002501	0.026597	0.031829	0	0	0	0	0.194593	0.228206	0.014621	0.08456	5.783547
LOC101902862	1	0.007989	0.008458	0.011995	0.011963	0.009485	0.083619	0.084882	0.065814	0.025813	0.00498	0.009978	0.053022	5.313819

LOC101902869	1	0.172302	0.157162	0.043419	0.111138	0.143868	0.312131	0.014082	0	0.068518	0	0.125578	0.078946	0.628664
LOC101902874	1	0.004221	0.000561	0	0	0.013474	0.001299	0	0.000642	0	0	0.003651	0.000388	0.106318
LOC101902875	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902882	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902884	1	0.005105	0.005207	0.004316	0.001775	0.000894	0.000862	0.00105	0.000426	0.011068	0.000821	0.00346	0.002845	0.822428
LOC101902895	1.67E-11	1.208434	1.008685	0.532007	0.620798	3.240408	0	0	0	0	0	1.322066	0	0
LOC101902902	1	0.003702	0.037625	0.01078	0.004434	0.006697	0	0	0	0	0	0.012648	0	0
LOC101902904	1	0.005711	0.006829	0.009293	0.012475	0	0.011135	0.023795	0.064538	0.045733	0.021035	0.006862	0.033247	4.845349
LOC101902907	1	0.017593	0.004415	0	0	0.005305	0.046036	0.035308	0.060625	0	0	0.005463	0.028394	5.197817
LOC101902911	1	0.02394	0	0	0	0	0.062643	0	0	0	0	0.004788	0.012529	2.616664
LOC101902915	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902916	1	0.017503	0.009883	0	0	0	3.29759	1.171589	1.515403	0	0	0.005477	1.196916	218.5242
LOC101902918	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902920	1	0.015715	0.014011	0.046965	0.032696	0.011222	0.012985	0.01406	0.014963	0.064137	0.089369	0.024122	0.039103	1.621071
LOC101902921	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902922	1	0.297637	0.777564	1.19605	0.603736	0.091538	0	0.088545	0.046154	0.133352	0.171521	0.593305	0.087914	0.148177
LOC101902926	9.32E-22	3.956987	4.780785	4.995427	3.256884	2.089425	0.01476	0	0	0.01458	0.018754	3.815902	0.009619	0.002521
LOC101902930	1	0.082481	0.102461	0.210157	0.21078	0.119374	0	0.029211	0.099478	0.04264	0.054844	0.145051	0.045235	0.311854
LOC101902932	1	0.020627	0.036605	0.012871	0.022944	0.019991	0	0.003131	0.007616	0.015233	0.012246	0.022608	0.007645	0.338168
LOC101902933	1	0	0	0	0	0	0	0	0	0.126915	0.69378	0	0.164139	#DIV/0!
LOC101902937	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902939	1	0	0.004504	0	0	0	0	0	0	0	0	0.000901	0	0
LOC101902942	0.404415	0.530952	0.822717	0.539339	0.221869	0.067015	0	0	0	0	0	0.436378	0	0
LOC101902944	1	0.394768	0.101178	0.140636	0.124092	0.030391	0.058609	0.118988	0.20984	0.30395	0.558499	0.158213	0.249977	1.580005
LOC101902951	0.02799	0.099951	0.135451	0.043658	0.119731	0.054247	0.313847	0.53098	1.549913	0.41337	0.448612	0.090608	0.651345	7.188619
LOC101902958	0.025716	0.206074	0.084626	3.293611	0.426387	1.169275	0	0	0	0	0	1.035995	0	0
LOC101902959	1	0.025178	0.035944	0.022825	0.018779	0.048988	0.054695	0.043407	0.066299	0	0.02685	0.030343	0.03825	1.260598
LOC101902960	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902968	1	0.076571	0.039306	0	0	0	0.036429	0.147919	0.215885	0	0	0.023175	0.080047	3.453942
LOC101902972	0.516322	1.44179	3.228127	0	0	4.763097	0	0	0	0	0	1.886603	0	0
LOC101902976	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902983	1	0.020963	0.018445	0.022189	0.007703	0.00698	0.004711	0.008472	0.010636	0.035237	0.01411	0.015256	0.014633	0.959184
LOC101902990	1	0	0	0	0	0	0	0.022509	0.027376	0.109521	0.158478	0	0.063577	#DIV/0!
LOC101902991	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101902994	1	0.039879	0.044866	0.007858	0.010057	0.012205	0.004708	0.004141	0.002712	0.003875	0.001495	0.022973	0.003386	0.147405
LOC101902998	1	0.108723	0.203062	0.022831	0.031307	0.025532	0.279021	0.199931	0.543065	0.108088	0.067775	0.078291	0.239576	3.060062
LOC101903003	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903015	1	3.34746	3.305998	1.327978	2.305318	6.600291	0	0	0.259216	0	0	3.377409	0.051843	0.01535
LOC101903018	1	0.066014	0	0.288342	0	0.268709	0	0	0	0	0	0.124613	0	0
LOC101903026	0.666242	1.009876	0.681107	0.765809	0.823284	1.903104	13.13912	6.139758	5.799924	4.495595	9.419654	1.036636	7.798811	7.523191
LOC101903030	1	0	0	0.373823	0.227823	0	0	0	0	0.196639	0	0.120329	0.039328	0.326835
LOC101903036	1	0.001183	0	0.025845	0.008505	0	0	0.001257	0.003058	0	0.004918	0.007107	0.001847	0.259858
LOC101903037	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903038	0.025848	0.20169	0.093787	0.08421	0.092378	0.112683	0	0	0	0	0	0.11695	0	0
LOC101903052	0.072304	0.005223	0	0.011406	0.012513	0	0.683304	0.399528	0.161974	0.134998	0.130228	0.005828	0.302006	51.81737
LOC101903056	1	0.108096	0.104303	0.071222	0.048899	0.083545	0.019095	0.042644	0.063653	0.090778	0.05459	0.083213	0.054152	0.650766

LOC101903059	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903064	9.36E-09	0.044087	0	0	0	0	26.30202	13.20913	13.33089	10.48394	8.867678	0.008817	14.43873	1637.543
LOC101903066	1	0.005496	0.004138	0	0.006583	0	0	0	0	0.056822	0	0.003243	0.011364	3.503932
LOC101903067	1	0.039426	0.038031	1.381276	1.080352	0.017832	0	0.017454	0.131614	0.59872	0.524317	0.511383	0.254421	0.497516
LOC101903068	1	0.394255	0.364283	0.078276	0.085868	0.680832	0	0	0.09263	0	0	0.320703	0.018526	0.057767
LOC101903072	1	0.057492	0.032463	0	0	0.065007	0.150439	0.264699	0.049529	0	0	0.030992	0.092933	2.998573
LOC101903073	1	0	0.011128	0	0	0	0	0	0	0	0	0.002226	0	0
LOC101903075	1	0.168912	0.131143	0.161392	0.075877	0.114593	0	0.044866	0.027284	0	0	0.130383	0.01443	0.110674
LOC101903084	1	0	0	0	0	0.026448	0	0	0	0	0	0.00529	0	0
LOC101903086	1	0	0	0	0	0	0	0.238973	0	0	0	0	0.047795	#DIV/0!
LOC101903087	1	0.001792	0.00607	0	0	0.004862	0	0	0.00926	0.027785	0	0.002545	0.007409	2.911715
LOC101903090	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903097	1	0.065485	0.119463	0.071509	0.076433	0.068348	0.035149	0.01784	0.00434	0.030381	0.033495	0.080248	0.024241	0.302079
LOC101903098	0.356084	0.389135	0.404759	0.089458	0.184004	0.666937	0	0	0	0	0	0.346859	0	0
LOC101903101	0.019759	0.023864	0	0	0	0	16.4019	6.034438	10.95757	0	0	0.004773	6.678781	1399.349
LOC101903110	1	0.059736	0.040476	0.056533	0.019082	0.01621	0	0.016925	0.030877	0.08235	0.00331	0.038407	0.026692	0.694978
LOC101903114	1	0.037175	0.031571	0.024226	0.016789	0.013017	0.002353	0.004141	0.008523	0.032935	0.017692	0.024556	0.013129	0.534652
LOC101903125	0.213541	0	0.007219	0	0	0.034694	9.935702	5.161743	2.87462	0	0	0.008383	3.594413	428.7972
LOC101903126	1	0.585299	0.476644	0.020371	0.01676	0.33538	2.111195	1.243732	0.584579	0	0.065898	0.286891	0.801081	2.792283
LOC101903127	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903138	1	0.007271	0.03969	0.021174	0	0	0	0	0	0.018795	0	0.013627	0.003759	0.275854
LOC101903139	1	0.023758	0	0.043239	0.009487	0	0	0	0	0	0	0.015297	0	0
LOC101903140	1	0.010388	0	0	0	0	0	0	0	0	0	0.002078	0	0
LOC101903141	1	0.006282	0.007094	0	0.002508	0	0	0	0	0.005413	0.015664	0.003177	0.004215	1.326861
LOC101903143	1	0.046487	0	0	0	0	0	0	0	0	0	0.009297	0	0
LOC101903159	0.725176	0	0	0	0	0	6.694878	2.140017	0.773796	0	0	0	1.921738	#DIV/0!
LOC101903165	1	0.317607	0.164213	0.359356	0.270447	0.467284	0	0.032525	0.108786	0.019782	0.12086	0.315781	0.056391	0.178575
LOC101903170	1	0.001994	0.001801	0.000871	0.000478	0	0	0.001695	0.002061	0.010308	0.001326	0.001029	0.003078	2.991814
LOC101903178	1	0	0	0	0	0	0	0	0.008245	0.082462	0.042426	0	0.026626	#DIV/0!
LOC101903182	1	0.048271	0.011681	0.105422	0.066084	0.037426	0	0	0	0.035649	0.017195	0.053777	0.010569	0.19653
LOC101903190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903193	1	1.242359	1.365084	0.782202	0.683774	0.030373	0.058574	0.737283	0.404966	1.446519	0.688405	0.820758	0.667149	0.812845
LOC101903194	1	0.118751	0.020632	0.079799	0.032827	0.049577	0	0	0	0	0	0.060317	0	0
LOC101903199	1	0.169572	0.209846	0	0	0.151551	0.164732	0.012946	0.023618	0	0	0.106194	0.040259	0.379111
LOC101903200	0.137001	0.157382	0.118488	0.621961	0.45785	0.040674	0	0	0	0	0.012458	0.279271	0.002492	0.008922
LOC101903205	1	1.258154	1.286164	1.653864	1.319041	1.984884	1.997143	2.128675	1.669477	1.089171	1.143206	1.500421	1.605534	1.070056
LOC101903207	1	0.005482	0.01046	0.002064	0.002038	0.001539	0.000989	0.000402	0.000489	0.08306	0.008484	0.004316	0.018685	4.328729
LOC101903208	1	0.276632	0.290751	0.092717	0.211622	0.133786	0	0	0	0.049558	0	0.201102	0.009912	0.049286
LOC101903211	1	0	0	0.015652	0	0	0	0	0	0	0	0.00313	0	0
LOC101903215	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903232	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903248	1	0.144051	0.121832	0.023153	0.016434	0.182762	0	0	0.111204	0	0.00311	0.097646	0.022863	0.234139
LOC101903252	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903253	1	0.369316	0.31499	0.394825	0.448589	0.35042	0.675787	0.592699	1.061271	0.827778	0.60534	0.375628	0.752575	2.003511
LOC101903261	1	0.374438	0.289627	0.028005	0	0.041758	0	0	0.006628	0	0.02558	0.146765	0.006442	0.04389
LOC101903265	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC101903281	1	0	0.007683	0.133726	0.171146	0.018462	0	0	0.017583	0.052757	0.039584	0.066203	0.021985	0.332078
LOC101903284	6.74E-07	0.007321	0.007632	0.00615	0.003373	0.012226	0.173891	0.254903	0.186304	0.302789	0.316432	0.007341	0.246864	33.63035
LOC101903289	1	0.010243	0.022491	0.099419	0.007498	0.004632	0	0	0.004412	0	0.001892	0.028857	0.001261	0.04369
LOC101903290	1	0.014787	0	0	0	0.024076	0	0	0	0	0	0.007773	0	0
LOC101903300	1	0	0	0	0	0	2.591136	0.549966	2.55923	0	0	0	1.140066	#DIV/0!
LOC101903301	9.62E-33	0.131796	0	0.335809	0.263129	0.059608	66.90379	53.39794	60.85715	90.50411	79.49255	0.158068	70.23111	444.3084
LOC101903309	1	0.298285	0.873327	0.530804	0.489651	0.929364	0	0.070427	0.057104	0.57112	0.091824	0.624286	0.158095	0.253241
LOC101903312	1	1.094696	0.334817	0.224135	0.259534	0.123777	0	0.024231	0.029471	0.176849	0.075823	0.407392	0.061275	0.150408
LOC101903324	1	0	0	0	0	0	0	0	0	0	0.033037	0	0.006607	#DIV/0!
LOC101903326	1	2.854531	2.384688	4.533952	2.200379	2.057384	0	0.043249	0.131504	1.841323	1.184181	2.806187	0.640052	0.228086
LOC101903327	1	0.030073	0.056604	0.021893	0.024017	0	0	0	0	0.388672	0.058324	0.026517	0.089399	3.371353
LOC101903331	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903336	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903340	1	0.054124	0.040748	0.078803	0.064834	0.146874	0	0	0	0	0	0.077076	0	0
LOC101903356	1	0.049139	0.07769	0.06439	0.141272	0.080008	0	0.020884	0	0	0	0.0825	0.004177	0.050627
LOC101903367	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903368	1	0.015838	0.014309	0.031131	0.045534	0	0	0	0.008187	0	0	0.021362	0.001637	0.076645
LOC101903375	1	0.019905	0.023977	0.011592	0.006358	0.050414	0	0.00282	0.010289	0.0343	0.006618	0.022449	0.010805	0.481317
LOC101903383	1	0.021673	0.078865	0.021037	0.023077	0.026139	0	0	0	0.012449	0.024019	0.034158	0.007294	0.213521
LOC101903385	1	0.793051	1.180559	1.306866	2.038161	0.391287	0.30184	0.444278	0.782572	1.080852	1.522054	1.141985	0.826319	0.723582
LOC101903397	1	0.06241	0.034204	0.048106	0.035182	0.034868	0.004803	0.019503	0.026092	0.08066	0.007628	0.042954	0.027737	0.64574
LOC101903400	1	0.00221	0.001426	0.004138	0.007187	0.000857	0.004958	0.007381	0.003264	0.081624	0.053019	0.003164	0.030049	9.497818
LOC101903402	1	0.510518	0.270795	0.219612	0.481825	1.490331	0.04048	0	0.039982	0.519841	0.295742	0.594616	0.179209	0.301386
LOC101903404	1	0.002214	0.005001	0.009672	0.003979	0.006009	0	0	0	0	0	0.005375	0	0
LOC101903411	1	0.026677	0.090381	0.233049	0.09587	0.144787	0	0.340129	0.137892	0.413737	0.044347	0.118153	0.187221	1.584564
LOC101903413	1	0.043703	0.065167	0	0	0.039148	0	0	0	0	0	0.029604	0	0
LOC101903419	1	0	0.009571	0	0	0	0	0	0	0	0	0.001914	0	0
LOC101903424	1	0	0	0.065158	0	0	0.156134	0.63397	0.308423	0	0.049595	0.013032	0.229625	17.62071
LOC101903427	1	0.070288	0.26988	0.322362	0.176814	0.171664	0	0.059743	0	0.036336	0.011684	0.202201	0.021553	0.10659
LOC101903434	1	0	0	0.02187	0.017993	0	0	0	0	0	0.024969	0.007973	0.004994	0.626381
LOC101903438	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903444	1	0	0	0	0	0	0	0.093027	0	0	0.436645	0	0.105934	#DIV/0!
LOC101903449	1	0	0.010101	0.004884	0	0.06068	0	0	0	0.01156	0.014868	0.015133	0.005286	0.349282
LOC101903454	1	0	0.045612	0	0	0	0	0	0	0	0	0.009122	0	0
LOC101903474	1	0.003035	0.020562	0.106038	0.018175	0	0	0	0	0	1.155179	0.029562	0.231036	7.81533
LOC101903477	1	0.405321	0.277312	0.562138	0.396931	0.160571	0	0	0.030585	0	0	0.360455	0.006117	0.01697
LOC101903478	1	0.215048	0.323807	0.234828	0.644012	6.224749	19.69481	6.930662	6.85462	12.7848	9.23495	1.528489	11.09997	7.262053
LOC101903496	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903501	1	0.03635	0	0.060485	0.031103	0	0	0	0	0.008948	0	0.025588	0.00179	0.069943
LOC101903506	0.197713	0.111902	0.505486	0.040732	0	0.050611	0	0	0	0	0	0.141746	0	0
LOC101903509	0.00063	0.018595	0.041999	0.121832	0	0	5.449549	2.410311	3.988776	0.961291	1.050973	0.036485	2.77218	75.98117
LOC101903510	1	0.012054	0.013613	0.026327	0.004813	0	0	0	0	0	0	0.011362	0	0
LOC101903513	1	0	0	0	0	0	0	0	0.039785	0	0	0	0.007957	#DIV/0!
LOC101903526	1.36E-05	0.230772	0.181207	0.248061	0.637109	0.386507	0.009435	0.003831	0	0	0	0.336731	0.002653	0.007879
LOC101903529	1	0.057041	0.032209	0.062288	0	0.038698	0	0	0	0.147442	2.915771	0.038047	0.612643	16.10218
LOC101903531	1	0.122524	0.315938	0.236369	0.288649	0.459944	0	0.056411	0.184716	0.137238	0.16973	0.284685	0.109619	0.385053

LOC101903534	1	0.12168	0.07135	0.10221	0.165382	0.0254	0	0	0.012095	0.024194	0.00778	0.097204	0.008814	0.090673
LOC101903540	1	0.0266	0.027855	0.008802	0.004828	0.018812	0.006749	0.008564	0.026665	0.018335	0.012864	0.017379	0.014636	0.842122
LOC101903545	1	0.004126	0.012427	0.006008	0.013181	0	0	0	0	0.028443	0.00686	0.007149	0.007061	0.987687
LOC101903546	1	0.005183	0.004079	0.005488	0.004892	0.002131	0.065754	0.025364	0.017454	0.038972	0.027413	0.004355	0.034991	8.035584
LOC101903557	0.444752	0.27883	0.25283	0.08089	0.081758	0.097678	0.01547	0.01515	0.008763	0.06742	0.030062	0.158397	0.027373	0.172814
LOC101903564	0.109951	0.970902	0.784643	1.027074	0.886816	1.276187	0	0	0	0.12548	0.065567	0.989124	0.038209	0.03863
LOC101903567	1	0.175113	0	0	0	0.831599	0.916424	0	0.339427	1.131589	1.091612	0.201342	0.69581	3.455857
LOC101903569	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903572	1	0.015403	0.046385	0.056064	0.055352	0.083595	0.188082	0.207288	0.13269	0.079626	0.16216	0.05136	0.153969	2.997862
LOC101903574	1	0.536683	0.471141	0	0	0.785897	2.26281	0.133408	0.123001	0	0	0.358744	0.503844	1.404465
LOC101903586	1	0.061325	0.051941	0.267864	0.293845	0	0.401169	0.19547	0.277361	1.347376	0.841031	0.134995	0.612481	4.537063
LOC101903590	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903598	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903600	1	0.159396	0.220509	0	0	0.270343	0	0	0	0	0	0.13005	0	0
LOC101903602	1	0.027199	0	0	0	0	0	0	0	0	0	0.00544	0	0
LOC101903604	1	0.057716	0.052143	0	0	0.062649	0.06041	0.024529	0.178997	0	0	0.034502	0.052787	1.529983
LOC101903615	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903616	1	0.02751	0.059027	0.036048	0.059317	0.041059	0	0.011691	0.010665	0	0.032011	0.044592	0.010873	0.243842
LOC101903620	1	0.040357	0.040511	0	0	0.008112	0	0.009528	0.011589	0	0	0.017796	0.004223	0.237326
LOC101903622	1	0.002125	0.0018	0	0	0	0	0	0.001373	0	0	0.000785	0.000275	0.34982
LOC101903629	1	0.035722	0.060512	0	0.021396	0.096938	0	0	0	0	0	0.042913	0	0
LOC101903632	1	0.024508	0.015815	0	0	0.007126	0	0.00186	0.011311	0	0	0.00949	0.002634	0.277572
LOC101903633	1	0.421303	0.673793	0.327091	0.440498	0.118954	0.044606	0.103497	0.044057	0.044063	0.020241	0.396328	0.051293	0.12942
LOC101903637	0.018857	0	0.005522	0	0	0	1.25385	3.002743	6.912354	0	0	0.001104	2.233789	2022.688
LOC101903639	1	0.008552	0.01395	0.02179	0.010813	0	0	0.002019	0	0.002456	0.007108	0.011021	0.002317	0.210204
LOC101903644	1	0	0	0	0	0	0.262623	0.75978	0.389083	0	0	0	0.282297	#DIV/0!
LOC101903645	0.319112	0.087516	0.05224	1.4799	1.904994	0.067854	0.019629	0.03985	0.038774	0.025853	0.010391	0.718501	0.026899	0.037438
LOC101903647	4.04E-09	0.146674	0.391511	0.465933	0.267542	0.796048	0	0	0	0	0	0.413542	0	0
LOC101903649	1	9.469053	8.711702	8.0527	9.18005	12.23549	3.025833	2.478784	5.806747	2.805473	2.71479	9.529798	3.366326	0.353242
LOC101903653	1	0	0.019375	0	0.006851	0	0	0	0.00739	0	0	0.005245	0.001478	0.281787
LOC101903660	1	0.054861	0	0	0	0	0.574215	1.748665	0.756193	0	0	0.010972	0.615815	56.1246
LOC101903665	1	0	0.009649	0	0	0	0	0	0	0	0	0.00193	0	0
LOC101903668	1	0.002871	0.003243	0	0	0	0	0	0	0	0	0.001223	0	0
LOC101903678	2.79E-08	1.983915	1.882831	1.241318	1.309842	2.570658	0	0	0.020985	0.06996	0.004499	1.797713	0.019089	0.010618
LOC101903682	1	0.053451	0.042609	0.058367	0.030131	0.010665	0	0	0.010157	0.020318	0.00784	0.039045	0.007663	0.196263
LOC101903685	1	0.00692	0.007164	0	0	0.000782	0	0	0.000745	0	0	0.002973	0.000149	0.050127
LOC101903687	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903691	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903692	1	0.009286	0	0	0.005562	0	0	0	0	0	0	0.00297	0	0
LOC101903699	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903702	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903704	1	0.049288	0	0	0	0	0	0	0.00579	0	0	0.009858	0.001158	0.117475
LOC101903709	1	0.056484	0.059231	0	0	0.120433	0	0.017146	0	0	0	0.04723	0.003429	0.072609
LOC101903713	0.035112	0.132422	0.273082	0.477816	0.448295	0.171863	0	0	0	0	0.019142	0.300695	0.003828	0.012732
LOC101903717	1	0.002036	0	0	0	0	0	0	0	0	0	0.000407	0	0
LOC101903722	1	0.020752	0.006167	0	0.001308	0	0	0.006963	0.005646	0.011293	0.019972	0.005646	0.008775	1.554249

LOC101903733	1	0.001241	0.01542	0.005422	0.002974	0	0	0	0.032081	0.025668	0.016508	0.005011	0.014851	2.963511
LOC101903734	1	0.00353	0.003941	0.011302	0.009707	0.009797	0.021833	0.016622	0.017728	0.025508	0.01247	0.007655	0.018832	2.459996
LOC101903738	1	0	0.070036	0.067722	0.049527	0.056098	0	0	0	0	0	0.048677	0	0
LOC101903744	1	0	0.005167	0	0	0	0	0	0	0	0	0.001033	0	0
LOC101903749	1	0	0.029519	0.057087	0	0.283731	0	0	0	0	0.021726	0.074067	0.004345	0.058665
LOC101903752	1	0.19482	0.065879	0.043269	0.102843	0.032856	0.051842	0.016372	0	0.039831	0	0.087933	0.021609	0.245743
LOC101903754	7.06E-05	0	0	0	0	0	3.163066	1.942168	1.52396	0.685882	0.539122	0	1.57084	#DIV/0!
LOC101903755	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903757	1	0.01022	0.019236	0.01488	0.028566	0	0	0	0	0.088056	0.033978	0.01458	0.024407	1.673957
LOC101903758	0.001132	0	0	0.177562	0.292175	0	12.339	7.947132	5.883408	1.681218	8.379418	0.093947	7.246035	77.12866
LOC101903761	1	0.007697	0.010431	0.002241	0.001844	0.001392	0	0	0	0.002653	0.002559	0.004721	0.001042	0.220783
LOC101903773	1	0.010074	0.006616	0.006241	0.005563	0.000582	0.002617	0.001063	0.001292	0.002585	0.001069	0.005815	0.001725	0.296702
LOC101903783	1	0.01638	0.007655	0.009252	0.005075	0	0.004434	0.016804	0.015328	0.0511	0.03615	0.007672	0.024763	3.227602
LOC101903793	1	0.062704	0.114074	0.050781	0.029908	0.03879	0.051866	0.068039	0.162055	0.191144	0.081107	0.059251	0.110842	1.870707
LOC101903794	1	0.005214	0	0	0	0	0	0	0	0	0	0.001043	0	0
LOC101903795	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903806	0.133339	0.04791	0.027053	0	0	0	5.641445	18.07078	10.71058	0	0	0.014993	6.884561	459.1963
LOC101903811	0.481458	0.005726	0.006466	0	0	0	1.797924	1.922418	1.021076	0	0	0.002438	0.948284	388.8912
LOC101903820	0.000838	0.024408	0.047899	0.04719	0.022528	0.103155	0	0	0	0.002069	0.000665	0.049036	0.000547	0.01115
LOC101903828	1	0	0.072635	0	0	0	0	0	0	0.02375	0.015274	0.014527	0.007805	0.537265
LOC101903831	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903832	1	0.002531	0.008575	0.049751	0.033352	0.027474	0	0	0	0.013085	0.004208	0.024337	0.003459	0.14211
LOC101903835	0.036722	0.799646	1.195925	1.274397	1.838116	7.389651	0	0	0	0	0.035926	2.499547	0.007185	0.002875
LOC101903836	1	0.005344	0.00656	0.002537	0.00167	0.003783	0.010944	0.005925	0.005404	0.014414	0.003476	0.003979	0.008033	2.018831
LOC101903840	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903851	1	0.047564	0.042881	0.03288	0.022663	0.028562	0.037651	0.037088	0.034433	0.050279	0.03145	0.03491	0.03818	1.093676
LOC101903853	1	0.02469	0.011829	0.04085	0.025095	0.006091	0	0.00318	0	0.011604	0.017412	0.021711	0.006439	0.296582
LOC101903854	1	0.491526	0.309814	0.174752	0.123236	0.03102	0	0	0	0	0	0.22607	0	0
LOC101903857	1	0.004101	0.016982	0.011943	0.011463	0	0.007154	0.008715	0.010599	0.014135	0.038633	0.008898	0.015847	1.781017
LOC101903858	1	0	0.003276	0	0	0	0	0	0	0	0	0.000655	0	0
LOC101903859	1	0	0	0	0	0	0	0	0	0	0.080154	0	0.016031	#DIV/0!
LOC101903865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903868	1	0.114522	0.107062	0.139135	0.093577	0.150242	0.015876	0.011281	0.037242	0.015683	0.008825	0.120908	0.017782	0.147068
LOC101903873	1	0	0.001911	0	0	0	0.026562	0	0.01749	0	0	0.000382	0.00881	23.05643
LOC101903874	0.08904	0.011466	0	0	0	0	1.905126	4.982462	3.215132	0	0	0.002293	2.020544	881.1224
LOC101903877	1	0.084295	0.003808	0.002455	0.009424	0.0122	0.023528	0	0	0.00581	0.003737	0.022436	0.006615	0.294831
LOC101903890	1	0.083611	0.119364	0.334197	0.143621	0.124149	0.016512	0	0.012231	0.024466	0.015735	0.160988	0.013789	0.085651
LOC101903891	1	0.051774	0	0.084804	0.023257	0.175621	0	0	0	0	0	0.067091	0	0
LOC101903896	1	0.016374	0.011379	0.132037	0.14937	0	0.039549	0.021412	0.019531	0.110693	0.081657	0.061832	0.054568	0.882525
LOC101903899	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903900	1	0.05551	0.041792	0.161642	0.022165	0	0	0	0.047821	0	0.430622	0.056222	0.095689	1.701983
LOC101903905	0.007895	0.012073	0.027268	0.052733	0.065078	0.05897	0	0	0	0	0.002007	0.043224	0.000401	0.009286
LOC101903906	0.000168	0.554094	1.564355	0.175149	0.593878	4.431751	0	0	0	0	0	1.463845	0	0
LOC101903913	1	0.470033	0.769991	0.519353	0.344951	1.119226	0.048613	0.071061	0.240074	0.057626	0.027795	0.644711	0.089034	0.138099
LOC101903916	1	0.011945	0.008993	0	0	0	0	0	0	0	0	0.004187	0	0
LOC101903923	1	0	0.004068	0.003934	0.006473	0	0	0	0	0.018623	0.002994	0.002895	0.004323	1.493433

LOC101903925	1	0.000632	0.001426	0.004138	0	0	0	0.001342	0.001632	0.009794	0.003149	0.001239	0.003183	2.569219
LOC101903928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903929	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903932	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903933	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903945	1	0.002808	0.002114	0	0.004485	0.00508	0	0	0	0.004839	0.009336	0.002897	0.002835	0.978427
LOC101903949	1	0.01674	0.018905	0	0.028408	0.018928	0	0.065215	0.050474	0.079328	0.018552	0.016596	0.042714	2.573721
LOC101903951	1	0.043956	0.027668	0.015737	0.007193	0.006518	0.011313	0.003062	0.00807	0.021109	0.0559	0.020214	0.019891	0.983997
LOC101903953	1	0	0	0	0	0	0.84487	0.686105	1.112622	0	0	0	0.528719	#DIV/0!
LOC101903969	1	0.013347	0.010607	0.010796	0.005921	0.002683	0	0.002101	0.001278	0	0.004109	0.008671	0.001497	0.172697
LOC101903974	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903976	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903988	0.00087	0.650999	0.886241	0.311618	0.352525	0.895399	0	0	0	0	0	0.619356	0	0
LOC101903989	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101903991	1	0	0	0	0.025011	0	0	0	0	0	0	0.005002	0	0
LOC101903992	0.047523	0.138974	0.138695	0.225871	0.112275	0.172486	0	0.006868	0.025058	0.005569	0.005373	0.15766	0.008574	0.05438
LOC101903997	4.03E-06	1.04615	1.462714	1.35997	1.730577	0.980099	0	0	0	0	0	1.315902	0	0
LOC101904010	1	0	0	0	0	0	0.070546	0.009548	0	0	0	0	0.016019	#DIV/0!
LOC101904012	1	0.033392	0.023569	0.018232	0.025	0.050971	0.027305	0.048782	0.102481	0.010789	0.034693	0.030233	0.04481	1.482174
LOC101904013	1	0.976331	0.698114	0	0	2.236714	0.025676	0.083403	0	0	0	0.782232	0.021816	0.027889
LOC101904021	1	0.018181	0	0	0	0	0	0	0	0	0.030223	0.003636	0.006045	1.662334
LOC101904022	1	0	0.048368	0	0.051306	0	0	0	0	0.110707	0	0.019935	0.022141	1.110699
LOC101904027	0.008756	0.131395	0.051612	0.049906	0.071855	0.046508	1.360315	0.667669	1.240213	0.516831	1.168082	0.070255	0.990622	14.10033
LOC101904039	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904042	0.972653	0.117533	0.055096	0.033902	0.100945	0.276821	0	0.009425	0.005731	0	0.003686	0.116859	0.003768	0.032248
LOC101904043	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904044	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904045	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904050	1	0.097261	0.080667	0.040871	0.056518	0.120165	0.015173	0.003361	0.002044	0.044966	0.01183	0.079096	0.015475	0.195645
LOC101904057	1	0.293543	0.348075	0.397474	0.552064	0.031863	0	0.056139	0.189661	0.0607	0.029278	0.324604	0.067156	0.206885
LOC101904059	1	0.002274	0.001712	0.00331	0.003631	0.004113	0	0	0	0	0	0.003008	0	0
LOC101904062	1	0	0.006901	1.040932	1.097975	0.016582	0	0.058431	0.055274	0.868712	0.284419	0.432478	0.253367	0.58585
LOC101904069	1	0.115044	0	0.251251	0.068905	0.702429	0.451546	0.305578	0.074331	0.743418	0.04781	0.227526	0.324536	1.426373
LOC101904071	1	1.57286	1.852448	1.269727	1.249861	1.14101	0.54332	0.452251	1.167169	0.858732	1.372027	1.417181	0.8787	0.620033
LOC101904074	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904075	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904077	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904078	1	0.002335	0.001319	0	0.002798	0	0	0	0	0.006036	0.003882	0.00129	0.001984	1.537405
LOC101904084	1	0.038644	0	0	0	0	0	0	0	0	0	0.007729	0	0
LOC101904087	0.021109	0.350782	0.38941	0.046486	0.028557	0.289962	0.013367	0.017187	0.0022	0.006602	0.003538	0.221039	0.008579	0.038813
LOC101904090	1	0.050608	0.033088	0.011634	0.025525	0.014456	0.348484	0.0566	0.165213	0.179006	0.119549	0.027062	0.17377	6.421115
LOC101904097	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904098	1	0.189582	0.188145	0.164898	0.105193	0.044542	0.038655	0.081965	0.133626	0.042427	0.035471	0.138472	0.066429	0.479729
LOC101904101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904103	1	0	0	0	0	0	0	0	0	0.210456	0.033837	0	0.048859	#DIV/0!
LOC101904107	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC101904113	1	0.051576	0.058245	0	0.008826	0	0	0	0	0	0	0.023729	0	0
LOC101904121	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904123	1	0.022933	0.012949	0.114482	0.01766	0.031117	0	0	0	0	0.008169	0.039828	0.001634	0.041022
LOC101904128	1	0.225326	0.438946	0.147631	0.047235	0.091719	0.05896	0.02394	0.043676	0.582426	0.056185	0.190171	0.153037	0.804734
LOC101904130	1	0	0	0.030558	0	0.009492	0	0	0	0	0.017445	0.00801	0.003489	0.435564
LOC101904131	1	0.009298	0.021	0.004061	0.007797	0	0	0	0	0	0	0.008431	0	0
LOC101904133	1	0.056771	0.038856	0	0	0.032679	0	0	0	0	0	0.025661	0	0
LOC101904148	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904151	1	0.030746	0.005787	0	0.006138	0	0	0	0	0	0	0.008534	0	0
LOC101904156	1	0.685453	0.69607	0.485938	0.472885	1.10291	0.267632	0.106763	0.29448	0.25046	0.128263	0.688651	0.209519	0.304246
LOC101904157	1	0.000691	0.00156	0.009053	0.010759	0.001875	0	0.002936	0.005357	0.196445	0.144713	0.004788	0.06989	14.5976
LOC101904166	1	0.01996	0.026715	0.009687	0.021253	0.014043	0.003869	0.001571	0	0.007643	0	0.018332	0.002617	0.142738
LOC101904168	1	0	0	0.011941	0	0	0.028613	0.011618	0.01413	0.028265	0.063622	0.002388	0.02925	12.24779
LOC101904173	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904174	1	0.013246	0.011967	0.002893	0.006347	0	0	0	0	0	0	0.00689	0	0
LOC101904177	1	0.61242	2.16128	1.616147	1.650632	5.193458	11.35102	7.537053	6.924595	6.068147	3.817674	2.246787	7.139698	3.177737
LOC101904185	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904186	1	0	0	0	0.122269	0	0	0	0.087931	0	0.056558	0.024454	0.028898	1.181734
LOC101904187	1	0.042299	0.023884	0.762135	0.886726	0.401752	5.146759	2.606631	3.088292	3.00674	2.654411	0.423359	3.300567	7.796136
LOC101904189	1	0.003742	0.003381	0.001362	0.002839	0.001016	0	0.002916	0.00129	0.00129	0.001659	0.002468	0.001431	0.579739
LOC101904191	1	0	0	0	0.012031	0	0	0	0	0	0	0.002406	0	0
LOC101904209	1	0.005566	0.018856	0.004052	0.011112	0.010069	0	0.003942	0.004795	0	0.003084	0.009931	0.002364	0.238066
LOC101904211	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904219	1	0	0	0.266046	0.014593	0	0	0	0	0	0	0.056128	0	0
LOC101904227	1	0.005524	0.002495	0.014476	0.002647	0.017988	0.023126	0.030518	0.062814	0.005711	0.001836	0.008626	0.024801	2.875175
LOC101904235	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904239	1	0.308719	0.241473	0.0543	0.079919	0.085463	0.017349	0.019372	0.001071	0.036418	0.0062	0.153975	0.016082	0.104445
LOC101904248	0.080815	0.152198	0.089676	0.076389	0.045296	0.087221	0	0	0	0.009774	0.006286	0.090156	0.003212	0.035627
LOC101904249	0.000579	0	0	0	0.005917	0.02681	0.594579	0.220431	1.51921	0.61288	0.558381	0.006545	0.701096	107.113
LOC101904252	1	0.323304	0.669673	0	0	0.136671	0.008502	0.017261	0.079777	0	0	0.22593	0.021108	0.093428
LOC101904254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904258	1	0.026582	0.015009	0.008931	0.003674	0.011097	0.032102	0.006517	0.039634	0.147987	0.049286	0.013059	0.055105	4.219811
LOC101904265	1	0.084821	0.064285	0.01976	0.036127	0.079794	0.009864	0.018425	0.00682	0.001949	0.008773	0.056957	0.009166	0.160932
LOC101904266	1	0.104522	0.181375	0.11692	0.094668	0.096852	0.026683	0.027086	0	0.013179	0.021189	0.118868	0.017627	0.148294
LOC101904268	1	0.019697	0	0	0	0	0	0	0	0	0	0.003939	0	0
LOC101904270	1	0	0	0.181892	0	0	5.448254	0.884887	0.430493	7.534728	0.069224	0.036378	2.873517	78.98954
LOC101904275	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904290	1	0.23234	0.519984	0.234639	0.166103	0.18527	0.193881	0.074225	0.210643	0.177841	0.209389	0.267667	0.173196	0.647057
LOC101904303	1	0	0	0	0	0	0	0.007816	0.019012	0.475374	0.030572	0	0.106555	#DIV/0!
LOC101904305	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904307	0.672169	0.188307	0.256439	0.048383	0.053076	0.495974	0	0	0	0	0	0.208436	0	0
LOC101904308	1	0.009873	0.025484	0	0	0.007655	0.110716	0.02997	0.072902	0	0	0.008602	0.042718	4.965802
LOC101904311	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904314	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904319	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC101904324	1	0.107106	0.192843	0.130198	0.179138	0.093227	0	0.025765	0.007834	0	0	0.140502	0.00672	0.047828
LOC101904332	1	0.215734	0.262863	0.327018	0.341734	0.061624	0.033424	0.02262	0.033013	0.069704	0.047187	0.241795	0.04119	0.17035
LOC101904335	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904339	1	0.396314	0.397831	0.673193	0.58024	1.971687	0	0	0	0.170733	0.384304	0.803853	0.111007	0.138094
LOC101904344	0.002029	0.456618	0.17936	1.170667	0.761015	0.57466	0	0	0	0	0.011001	0.628464	0.0022	0.003501
LOC101904350	1	0.094342	0.133049	0.174493	0.136804	0.084521	0.141739	0.081532	0.187825	0.16335	0.091546	0.124642	0.133198	1.068647
LOC101904351	1	0.079979	0.112902	0.199625	0.023952	0.062011	0	0	0.007382	0	0.023742	0.095694	0.006225	0.065049
LOC101904352	1	0	0	0.020895	0	0	0	0	0	0	0	0.004179	0	0
LOC101904355	1	0.079407	0.073453	0.03137	0.036035	0.013238	0.032621	0.020156	0.035021	0.049036	0.025679	0.046701	0.032503	0.695979
LOC101904356	1	0.046807	0.08105	0.134027	0.085973	0.067743	0	0	0	0.086035	0.057059	0.08312	0.028619	0.344308
LOC101904357	1	1.155147	1.15794	1.799973	2.137807	2.060443	3.022633	1.199735	1.291443	3.254238	2.750906	1.662262	2.303791	1.385937
LOC101904360	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904366	1	0.057452	0.032059	0.026571	0.013764	0.003668	0.007075	0.007181	0.008734	0.041931	0.007865	0.026703	0.014557	0.545151
LOC101904370	1	0.012753	0.009601	0	0	0	0	0	0	0	0	0.004471	0	0
LOC101904371	1	0.048845	0.179273	0.053338	0.117022	0.132549	0.702959	0.544913	0.220915	0	0.162393	0.106205	0.326236	3.071749
LOC101904374	1	0.003195	0	0	0.030619	0.00867	0	0.033947	1.8497	0	0	0.008497	0.37673	44.33691
LOC101904375	1	0	0.050559	0	0.053629	0	0	0	0	0	0.186055	0.020838	0.037211	1.785766
LOC101904376	1	0.012722	0	0	0	0	0	0	0	0	0	0.002544	0	0
LOC101904377	3.65E-18	0.593792	0.837955	2.308378	1.259478	0.545498	0	0	0.002394	0.004789	0.00308	1.10902	0.002053	0.001851
LOC101904378	3.93E-07	0.303424	0.452545	0.566693	0.556484	0.215786	0	0.005558	0.01352	0.027045	0.006087	0.418986	0.010442	0.024922
LOC101904381	1	0.0377	0.036366	0.003431	0.005645	0.008525	0.008221	0.008345	0	0.008121	0.001306	0.018333	0.005198	0.283545
LOC101904382	1	0.082844	0.068936	0.062648	0.049482	0.059161	0.022819	0.022919	0.030248	0.06525	0.023652	0.064614	0.032977	0.510372
LOC101904383	1	0	0.002434	0	0.006454	0	0	0	0	0	0	0.001778	0	0
LOC101904386	1	0.005493	0.005317	0.003428	0.00658	0.008518	0	0	0	0.004057	0.002609	0.005867	0.001333	0.22722
LOC101904393	1	0.95868	0.104351	0	0	0.689565	4.654404	4.982417	5.04486	0	0	0.350519	2.936336	8.377106
LOC101904396	0.000623	0.224191	0.10068	0.203294	0.329806	0.099618	0	0	0	0.013555	0	0.191518	0.002711	0.014156
LOC101904397	1	0.001333	0	0	0	0	0	0	0	0	0	0.000267	0	0
LOC101904398	1	0.028482	0.024743	0.043065	0.031494	0.011891	0.022932	0.004656	0.084936	0.090612	0.021853	0.027935	0.044998	1.610794
LOC101904405	1	0.009835	0.009256	0	0	0.004448	0.596196	1.492539	1.376818	0	0	0.004708	0.69311	147.2264
LOC101904409	1	0	0	0.119408	0.081869	0	0	0	0	0.070663	0.090888	0.040255	0.03231	0.80263
LOC101904411	1	0.113824	0.085694	0	0	0	0	0	0	0	0	0.039904	0	0
LOC101904412	1	0.002314	0.003397	0.005053	0.001386	0	0.004843	0.001475	0.004784	0.029902	0.026153	0.00243	0.013431	5.527767
LOC101904413	1	0.456678	0.182654	0.072725	0.011397	0.083909	0	0.020217	0.012294	0	0.003954	0.161473	0.007293	0.045166
LOC101904435	1.40E-11	5.007905	4.611458	4.750553	4.240119	3.555083	0.077615	0.02101	0.012777	0.025557	0.131488	4.433024	0.053689	0.012111
LOC101904442	1	0.354356	0	0	0	0.961606	0.927231	0.188247	1.37372	0.457973	0.589058	0.263193	0.707246	2.687182
LOC101904444	4.43E-11	0.032891	0	0	0	0	10.32783	7.967706	5.015322	9.692032	15.85609	0.006578	9.771795	1485.472
LOC101904447	1	0.128783	2.133055	0.37501	0.642786	0.349475	0.336982	0.228048	0.221889	4.993218	6.814899	0.725822	2.519007	3.470559
LOC101904449	1	0.294026	0.166022	0	0.088053	1.396305	0	0.312395	0	0	0	0.388881	0.062479	0.160663
LOC101904455	1	0.030538	0.137947	0	0	0.08287	0.319631	0	0.157848	0	0	0.050271	0.095496	1.899616
LOC101904460	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904466	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904468	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904477	1	0.122591	0	0.107093	0	0.099801	0.256623	0.0521	0	0.380249	0.427952	0.065897	0.223385	3.389907
LOC101904481	1	0.062918	0	0	0.045221	0	0	0	0	0	0.010459	0.021628	0.002092	0.096718
LOC101904492	0.000244	1.027859	0.863073	0.465903	0.398376	0.341106	0.003759	0	0.003713	0.051986	0.022686	0.619263	0.016429	0.026529
LOC101904498	1	0.072945	0.417377	0.198757	0.283778	0.46565	0.054535	0.002952	0	0.308862	0.170917	0.287701	0.107453	0.373489

LOC101904500	1	0.007753	0	0	0	0	0	0.005491	0.004453	0	0	0.001551	0.001989	1.282637
LOC101904510	1	0.024115	0	0.010533	0.011555	0	0.126202	0.030746	0	0.049867	0	0.009241	0.041363	4.476189
LOC101904512	1	0.062339	0.056147	0.042598	0.037109	0.047741	0.020015	0.014628	0.021745	0.051405	0.019073	0.049187	0.025373	0.515855
LOC101904513	1	0.02047	0.020785	0.007843	0.009249	0.008284	0.00094	0.000954	0.003016	0.009747	0.005224	0.013326	0.003976	0.298367
LOC101904520	0.014307	2.609256	2.399646	3.060196	2.396878	4.365758	0.030177	0.030633	0.11177	0.700529	0.201296	2.966347	0.214881	0.07244
LOC101904526	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904527	1	0.006761	0.009789	0.068528	0.03738	0.007057	0.028125	0.031681	0.018818	0.021509	0.014985	0.025903	0.023023	0.888835
LOC101904529	1	7.468844	4.974782	2.771399	3.213929	11.65901	8.823016	3.428426	1.26499	2.905213	1.536896	6.017593	3.591708	0.596868
LOC101904536	1	0.029728	0.033572	10.50171	13.28305	0	0	0.015793	0.019208	9.413193	11.24269	4.769612	4.138177	0.867613
LOC101904537	1	0.055084	0.023698	0.022914	0.009426	0.03559	0	0	0.006779	0.02712	0.357549	0.029342	0.07829	2.668136
LOC101904538	1	0.015547	0.008779	0.067908	0	0	0	0	0	0.040186	0.155067	0.018447	0.039051	2.116926
LOC101904548	1	0.012062	0.013622	0	0.007225	0	0	0.025632	0	0.062357	0.050129	0.006582	0.027624	4.19698
LOC101904550	1	0.00411	0	0	0.009846	0.011152	0	0	0.021242	0.021245	0	0.005021	0.008497	1.692216
LOC101904552	0.273832	0.110153	0.447906	0	0	0.799344	0	0	0.001819	0	0	0.271481	0.000364	0.00134
LOC101904554	1	0	0	0	0	0	0	0.046432	0	0	0.018162	0	0.012919	#DIV/0!
LOC101904557	1	0.009526	0.00502	0.001387	0.001369	0.001896	0.001662	0.003374	0.010012	0.022326	0.006123	0.00384	0.008699	2.265578
LOC101904563	1	0.022022	0.038133	0	0	0.050464	0	0.00104	0	0	0	0.022124	0.000208	0.009401
LOC101904564	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904569	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904570	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904573	9.84E-08	0.216807	0	0.177562	0.584351	0.147086	20.84865	22.4017	13.30771	12.46904	9.95619	0.225161	15.79666	70.1572
LOC101904574	1	6.510705	8.051239	0	0	2.55825	0.30835	3.943891	2.436423	0	0	3.424039	1.337733	0.390689
LOC101904579	1	0.001681	0.001899	0.001469	0.003222	0	0	0.002143	0.002607	0.033026	0.007266	0.001654	0.009009	5.446126
LOC101904580	1	0	0	0	0	0	0.074942	0	0	0	0	0	0.014988	#DIV/0!
LOC101904587	0.008509	0	0	0.077099	0	0	1.01612	0.412587	1.459793	1.642506	2.934219	0.01542	1.493045	96.82639
LOC101904590	1	0.256269	0.082688	0	0	0	0	0.077794	0	0	0	0.067791	0.015559	0.229511
LOC101904591	1	0.043125	0.092532	0	0	0.070216	0.090275	0	0	0	0	0.041175	0.018055	0.438496
LOC101904592	7.68E-08	0.380369	0.548959	1.094619	0.731987	0.544045	0	0.017508	0.010647	0.028395	0.009131	0.659996	0.013136	0.019903
LOC101904595	5.40E-06	0.211496	0.111461	0.061587	0.10134	0	14.9791	6.501598	3.826203	2.478282	5.64868	0.097177	6.686772	68.81042
LOC101904596	1	0.022696	0.051261	0	0	0	0.178163	0.144683	0.087985	0	0	0.014791	0.082166	5.554975
LOC101904601	1	1.097228	0.47204	0.285274	0.44125	0.914523	0.136718	0.122129	0.054014	0.297119	0.121597	0.642063	0.146315	0.227883
LOC101904602	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904605	1	0.300924	0.297356	0.269924	0.180237	0.320811	0.393708	0.011419	0.26387	0.111119	0.026798	0.27385	0.161383	0.58931
LOC101904607	1	0.042323	0.038469	0.151045	0.126126	0.072831	0	0	0.002668	0.042691	0.010296	0.086159	0.011131	0.129191
LOC101904611	1	0	0	0	0.004864	0	0	0	0	0	0	0.000973	0	0
LOC101904614	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904622	2.77E-06	0.153838	0.296196	0.247852	0.552846	0.417467	0	0	0	0	0	0.33364	0	0
LOC101904625	1	0	0	0	0	0.005672	0	0	0	0	0.003474	0.001134	0.000695	0.612577
LOC101904627	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904633	1	0.118582	0.288121	0.1805	0.13344	0.175523	0	0.001909	0.020896	0.051086	0.079148	0.179233	0.030608	0.17077
LOC101904639	1	0.005946	0.004477	0.017316	0.014246	0	0	0	0	0	0	0.008397	0	0
LOC101904642	1	10.16124	7.525297	16.94247	16.10368	3.778527	4.337445	6.093696	8.396709	4.88451	6.447927	10.90224	6.032057	0.553286
LOC101904644	1	0	0	0	0	0	0.91787	0.352548	0.502287	0	0	0	0.354541	#DIV/0!
LOC101904646	1	0.058477	0.022013	0	0.02335	0.052896	0	0	0	12.29375	19.61989	0.031347	6.382727	203.6146
LOC101904647	1	0.009615	0.046537	0.009	0.004936	0.001864	0.007189	0.001459	0.005325	0.007101	0.007992	0.014391	0.005813	0.403964
LOC101904656	1	0.000523	0.001182	0	0	0.00142	0	0	0	0	0	0.000625	0	0

LOC101904659	1	0.017582	0.011913	0.015359	0	0	0.092011	0.052305	0.109054	0.036357	0.005845	0.008971	0.059114	6.589626
LOC101904667	5.21E-20	0.535015	0.062503	0.846121	0.441994	0.200256	58.02573	73.70122	49.30099	68.66902	206.9481	0.417178	91.32901	218.9211
LOC101904668	1	0.261186	0.193567	0.392163	0.527973	0.465132	0	0	0	0.632923	0.149249	0.368004	0.156434	0.425089
LOC101904673	1.30E-08	0.907346	0.681851	0.776526	1.165257	1.128715	0	0	0	0.034681	0.002788	0.931939	0.007494	0.008041
LOC101904680	1	0	0.01678	0	0	0.040321	0	0	0	0	0	0.01142	0	0
LOC101904690	1	0.04707	0	0	0	0	0	0	0	8.760032	12.91056	0.009414	4.334119	460.392
LOC101904691	1	0.08026	0.081574	0.035057	0.044867	0.13431	0.007	0	0.006914	0.006915	0.017789	0.075214	0.007724	0.102692
LOC101904698	1	0.486366	0.801209	0.867305	0.45166	0.52067	0.093406	0.6732	0.513173	0.553616	0.096427	0.625442	0.385964	0.617106
LOC101904699	1	0.008161	0	0	0	0	0	0	0	0.014063	0	0.001632	0.002813	1.723213
LOC101904701	1	0.435417	0.382055	0.082095	0.050657	0.425028	0.016393	0.03661	0.020239	0.040485	0.031244	0.275051	0.028994	0.105414
LOC101904702	1	0.003098	0.003498	0.001353	0.005937	0	0	0	0	0.003203	0.00206	0.002777	0.001053	0.378979
LOC101904705	1	0	0	0	0	0.062534	0	0	0	0	0	0.012507	0	0
LOC101904714	1	0	0.011546	0	0	0	0	0	0	0.052853	0.008498	0.002309	0.01227	5.313711
LOC101904715	0.525319	0.088311	0.075721	0.017858	0.129296	0.093196	0	0	0	0.008454	0.005437	0.080877	0.002778	0.034352
LOC101904718	1	0.005706	0.004188	0.003115	0.001709	0	0.001493	0.003637	0.005161	0.011799	0.006639	0.002944	0.005746	1.951995
LOC101904719	1	0.003757	0.000707	0	0	0	0.001639	0.001331	0.001618	0	0	0.000893	0.000918	1.027597
LOC101904722	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904726	1	0.051151	0.080229	0.047581	0.060139	0.138807	0	0	0.002448	0.004897	0.017321	0.075581	0.004933	0.06527
LOC101904728	1	0.14241	0.175445	0.23562	0.368324	0.064409	0	0.011463	0.061342	0.18963	0.032282	0.197242	0.058943	0.298837
LOC101904731	1	0.010479	0.005917	0.04005	0.015691	0	0	0	0	0.094802	0.021774	0.014427	0.023315	1.616046
LOC101904740	1	0.602116	0.412324	0.083936	0.107423	0	0	0	0	0	0.010648	0.24116	0.00213	0.008831
LOC101904744	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904749	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904753	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904756	1	0.010172	0	0	0	0	0	0	0	0	0	0.002034	0	0
LOC101904757	1	0.023762	0.006709	0.032435	0.014232	0.00806	0	0	0.015353	0.859886	0.82457	0.01704	0.339962	19.95137
LOC101904759	0.001353	1.034341	0.756942	0.281712	0.355246	0.899635	0.037853	0	0	0	0	0.665575	0.007571	0.011375
LOC101904765	1	0	0.019785	0.038262	0	0	0	0	0	0	0	0.011609	0	0
LOC101904767	1	0.005018	0.002833	0.006164	0.003757	0	0	0	0	0	0	0.003554	0	0
LOC101904768	1	0.296853	0.26819	0	0	0.349076	2.537428	3.42733	3.273382	0	0	0.182824	1.847628	10.10606
LOC101904769	1	0.055204	0.046703	0.053031	0.052494	0.024195	0.020848	0.014915	0.025004	0.173584	0.133709	0.046325	0.073612	1.589024
LOC101904776	1	0.002938	0	0.006416	0	0	0	0	0	0	0	0.001871	0	0
LOC101904784	1	0.02418	0	0.739312	0.628953	0.018748	0	0	0	0	0	0.282239	0	0
LOC101904790	1	0.05125	0.074757	0.032645	0.030696	0.034769	0.022351	0.013613	0.044151	0.110393	0.244933	0.044823	0.087088	1.942913
LOC101904794	1	0.188347	0.972349	0	0	0.219048	1.689739	2.058314	1.599394	0	0	0.275949	1.069489	3.875682
LOC101904795	0.412285	0.120236	0.24441	0.105036	0.302463	0.913588	0	0	0	0	0	0.337147	0	0
LOC101904796	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904797	1	0.111036	0.035827	0	0	0	0	0	0	0.082002	0	0.029372	0.0164	0.55836
LOC101904802	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904810	1	0	0	0	0	0	0	0	0	0	0.102613	0	0.020523	#DIV/0!
LOC101904822	1	0.059339	0.067012	0	0	0.080514	0	0	0	0	0	0.041373	0	0
LOC101904824	1	0	0	0	0	0	0	0	0	0.015051	0.096806	0	0.022371	#DIV/0!
LOC101904825	1	0.084708	0.018221	0.008809	0.053151	0.021892	0	0.008571	0.062549	0.062558	0.013411	0.037356	0.029418	0.787494
LOC101904827	0.000287	0.217994	0.232988	0.017597	0.014509	0.029351	0.003883	0.00684	0.000621	0.00497	0.002189	0.102488	0.003701	0.036108
LOC101904831	1	0.065162	0.005384	0.024297	0.03998	0.06038	0	0	0	0	0.007926	0.039041	0.001585	0.040603
LOC101904836	1	0.01075	0.042492	0.046957	0.070828	0.029173	0	0	0	0	0	0.04004	0	0

LOC101904840	0.057881	1.297236	0.918343	0.338282	0.695799	1.366076	0	0	0.050039	0	0	0.923147	0.010008	0.010841
LOC101904842	0.034202	0.216449	0.205685	0.063413	0.041106	0.58737	0	0.005609	0	0	0	0.222805	0.001122	0.005035
LOC101904849	1	0.594255	0.499526	0	0	0.999674	0.007036	0.005714	0.045171	0	0	0.418691	0.011584	0.027668
LOC101904854	5.73E-26	0	0	0	0	0	159.7317	41.8437	32.18911	25.57688	53.88841	0	62.64595	#DIV/0!
LOC101904855	1	0.111395	0.087248	0.015696	0.206616	0.082886	0.009403	0	0.004643	0.065018	0	0.100768	0.015813	0.156923
LOC101904856	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904857	1.91E-06	0.989848	1.478783	0.380267	0.382863	1.093867	0.024965	0.010137	0	0	0	0.865126	0.00702	0.008115
LOC101904862	1	0.001488	0.003361	0.001625	0.004457	0	0	0	0.007693	0.007694	0	0.002186	0.003077	1.407497
LOC101904867	1	0.142607	0.175687	0.30201	0.445188	0.257992	0	0	0	0	0.150856	0.264697	0.030171	0.113984
LOC101904871	0.341787	0.241018	0.188435	0.182206	0.238744	0.264133	0	0	0	0	0.030819	0.222907	0.006164	0.027652
LOC101904875	1	0.154533	0.034903	0	0	0	2.372247	0.963231	1.97028	0	0	0.037887	1.061152	28.00823
LOC101904878	1	0.171895	0.300575	0.07266	0.126204	0.210662	0	0	0.128976	0.25799	0.073741	0.176399	0.092142	0.522347
LOC101904879	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904883	1	0	0.200799	0	0	0	0	0	0	0	0	0.04016	0	0
LOC101904890	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904891	1	0	0	0	0	0	0	0	0.048733	0	0	0	0.009747	#DIV/0!
LOC101904896	1	0	0	0.16085	0.147042	0	0	0	0	0	0.122432	0.061578	0.024486	0.397645
LOC101904899	1	0.00555	0.012535	0.012121	0	0.015061	0.029044	0	0.014343	0	0.018452	0.009053	0.012368	1.366124
LOC101904901	1	0.558351	0	0	0.182412	0	0.664098	1.240397	3.345195	1.705641	9.408216	0.148153	3.272709	22.09013
LOC101904902	1	0.223412	0.201969	0.116677	0.099589	0.146527	0.074756	0.040675	0.160223	0.231878	0.032769	0.157635	0.10806	0.68551
LOC101904903	1	0	0.014009	0.108366	0	0	0	0	0	0	0	0.024475	0	0
LOC101904911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904912	1	0	0	0	0	0	0.76087	0.109039	0	0	0	0	0.173982	#DIV/0!
LOC101904916	1	0.279588	0.330238	0.414342	0.304159	0.092903	0.007465	0.048499	0.088479	0.353968	0.045054	0.284246	0.108693	0.38239
LOC101904919	1	0	0	0	0	0	0.246713	0.130999	0.089035	0	0	0	0.093349	#DIV/0!
LOC101904923	1	0.065245	0	0	0	0	0	0	0	0	0	0.013049	0	0
LOC101904927	1	0.015915	0.013763	0.005636	0.004637	0.006225	0.020259	0.020413	0.025568	0.208282	0.16827	0.009235	0.088558	9.589002
LOC101904939	1	0.034329	0.032307	0.156195	0.075391	0.038816	0	0	0	0	0	0.067408	0	0
LOC101904942	1	0.559903	0.774024	0.400574	0.364262	0.550125	0.22734	0.164106	0.087321	1.097912	0.168497	0.529778	0.349035	0.658833
LOC101904944	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904946	1	0.004625	0	0	0	0	0	0	0	0	0	0.000925	0	0
LOC101904947	5.84E-07	0.281889	0.517301	0.69259	0.801975	1.816768	0	0.074875	0.091066	0	0	0.822105	0.033188	0.04037
LOC101904948	1	0.014723	0.026326	0.026796	0.017637	0.013318	0.006421	0.002607	0.015855	0.082457	0.020396	0.01976	0.025547	1.292866
LOC101904955	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904962	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904963	1	0.67534	0.817141	0.245819	0.2504	0.218173	2.272034	3.416817	3.532312	0.166251	0.133648	0.441375	1.904212	4.314276
LOC101904976	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904981	1	0.103953	0	0.012613	0	0	0.09067	0.012272	0	0.089567	0	0.023313	0.038502	1.651502
LOC101904984	1	0	0	0.018678	0	0	0	0	0	0	0	0.003736	0	0
LOC101904987	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101904992	1	0	0	0	0.024132	0.013667	0	0	0	0.026037	0.460473	0.00756	0.097302	12.87073
LOC101904994	1	0	0	0.130835	0.053822	0	0	0	0	0	0	0.036931	0	0
LOC101905008	1	0.004353	0.019666	0.066555	0.14602	0.035442	0	0	0	0.202553	0.108554	0.054407	0.062221	1.143626
LOC101905010	1	0.420134	0.181708	0.995646	0.503276	1.115848	0.093562	0.018995	0.138614	0	0.029719	0.643322	0.056178	0.087325
LOC101905014	1	0	0	0	0	0	0.158017	0.064161	0	0.312188	0.050193	0	0.116912	#DIV/0!
LOC101905017	1	0	0	0	0.040536	0	0	0	0	0	0	0.008107	0	0

LOC101905019	1	0.0828	0.060112	0	0.028339	0	0	0	0	0	0.004916	0.03425	0.000983	0.028705
LOC101905027	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905029	1	0.950931	1.073892	1.194157	1.395415	0.774154	0.497653	0.707238	0.184322	2.580883	0.553267	1.07771	0.904673	0.83944
LOC101905033	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905041	0.000343	1.413666	1.216096	0.113964	0.159113	1.403183	0	0	0	0	0.015772	0.861204	0.003154	0.003663
LOC101905046	1	0.615057	0.919594	0	0	1.175395	0	0.128856	0.783595	0	0	0.542009	0.18249	0.336692
LOC101905049	1	0.175541	0.187927	0	0	0.064708	0	0.004312	0.003934	0	0	0.085635	0.001649	0.019258
LOC101905052	1	0.002462	0.000463	0.009856	0.004423	0	0.004294	0	0	0.010605	0.031372	0.003441	0.009254	2.689522
LOC101905053	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905075	1	0.401194	0.36812	0.219048	0.27033	0.408265	0	0	0	0	0	0.333391	0	0
LOC101905088	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905090	1	0.007432	0	0.064926	0.044514	0	0	0	0	0.115264	0.593021	0.023374	0.141657	6.060352
LOC101905098	1	0.036916	0.031267	0.013437	0	0	0	0	0	0	0	0.016324	0	0
LOC101905099	0.194092	0	0.021532	0.291489	0.07994	0.232836	0	0	0	0	0	0.12516	0	0
LOC101905114	0.001129	0.495276	0.324405	0.584099	0.70008	1.155855	0	0	0	0	0	0.651943	0	0
LOC101905117	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905123	1	0.596172	0.548461	0.381078	0.306562	0.094701	0	0	0	0.51116	0.058012	0.385395	0.113834	0.295371
LOC101905125	1	0.014079	0.015899	0	0	0	2.505053	1.286403	1.273489	0	0	0.005996	1.012989	168.9572
LOC101905127	2.99E-26	1.535692	2.016702	1.349069	1.469617	2.071042	0.00375	0.003046	0.005556	0.022228	0.005956	1.688424	0.008107	0.004802
LOC101905128	0.758684	0.003751	0.004888	0.00126	0.002765	0.006264	0.00755	0.012262	0.020133	0.205839	0.247489	0.003785	0.098655	26.06127
LOC101905131	1	0.00458	0.007758	0	0.016458	0.012427	0.143799	0.072985	0.088768	0.023675	0.106579	0.008244	0.087161	10.5721
LOC101905136	1	0.033703	0.038061	0	0.050465	0.091458	0.176378	0	0.043551	0.087116	0	0.042737	0.061409	1.436889
LOC101905137	1	0	0.003978	0.015385	0.052742	0	0	0	0	0	0.005855	0.014421	0.001171	0.081205
LOC101905141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905151	1	0.004577	0	0	0	0	0	0	0	0	0	0.000915	0	0
LOC101905153	1	0.283218	0.389804	0.579878	0.67853	0.48035	0.138954	0.094035	0	0	0.014713	0.482356	0.04954	0.102705
LOC101905154	0.905988	0.014779	0.044	0.10563	0.33636	0.085677	0.003516	0.00571	0.003472	0.013891	0.012283	0.117289	0.007774	0.066284
LOC101905155	1	0.122751	0	0	0	0	1.284791	0.260839	0.317243	0	0	0.02455	0.372575	15.17605
LOC101905156	2.29E-09	0.157602	0.08899	0	0.18879	0	14.70861	6.697917	9.91128	16.0233	9.431523	0.087076	11.35453	130.3972
LOC101905162	1	0.002499	0.015054	0.010917	0.015968	0.009044	0.00436	0	0	0.004307	0.006925	0.010697	0.003118	0.291534
LOC101905163	1	0	0.001435	0	0.001522	0	0	0.005399	0.00985	0.026271	0.008448	0.000591	0.009994	16.90062
LOC101905165	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905166	1	0.485325	0.850144	0.577314	0.411776	0.307634	0.256994	0.245334	0.098561	0.234961	0.033869	0.526439	0.173944	0.330416
LOC101905167	1	0	0	0	0	0.04013	0.154782	0	0.038219	0	0	0.008026	0.0386	4.809388
LOC101905170	0.119255	0.235128	0.564255	0.299548	0.457696	0.345616	0	0	0	0	0.032572	0.380449	0.006514	0.017123
LOC101905172	1	0.100585	0.149562	0.206249	0.239641	0.104633	0	0	0	0.025999	0.205291	0.160134	0.046258	0.288872
LOC101905179	1	0.905498	0.741771	0	0	0.190976	0.07366	0.019939	0.024251	0	0	0.367649	0.02357	0.06411
LOC101905188	1	0.019385	0.009217	0.973723	0.767516	0.011075	0.101447	0.039024	0.06592	0.058018	0.066144	0.356183	0.066111	0.185609
LOC101905190	1	0.04564	0	0.024919	0.027336	0	0	0	0	0.117971	0	0.019579	0.023594	1.205079
LOC101905194	1	0.195507	0.16559	0.160117	0.175647	0	0	0.025965	0	0	0.467184	0.139372	0.09863	0.707672
LOC101905198	0.022551	0.831035	1.002614	0.806017	1.227361	3.053566	0.027013	0.126136	0	0.133421	0.064354	1.384119	0.070185	0.050707
LOC101905199	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905203	1	0.271596	0.030672	0	0	0.147405	9.451992	7.098679	10.87984	0	0	0.089934	5.486102	61.0011
LOC101905219	0.08722	2.575576	3.468013	0.899376	1.447496	3.19929	0.160096	0.397534	0.012163	0.018248	0.015647	2.31795	0.120738	0.052088
LOC101905222	1	0	0.030523	0	0	0	0	0	0	0	0	0.006105	0	0
LOC101905225	0.015253	0.059161	0	0.046984	0	0	0.337754	0.822854	0.875688	1.835041	1.153319	0.021229	1.004931	47.3379

LOC101905228	3.76E-24	5.467558	3.51501	3.033064	3.228479	2.041682	0	0	0	0	0	3.457159	0	0
LOC101905232	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905238	1	0.01129	0.02434	0.049312	0.077455	0.033422	0	0	0	0.005306	0.001706	0.039164	0.001402	0.035808
LOC101905239	1	0.024222	0.049735	0.028855	0.073857	0.011951	0	0.004679	0	0.204904	0.109814	0.037724	0.063879	1.693339
LOC101905242	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905248	1	0.008632	0.005387	0.004465	0.004898	0.001233	0.014265	0.03765	0.071035	0.062238	0.054375	0.004923	0.047913	9.73261
LOC101905254	1.05E-06	0.38651	0.158723	0.268585	0.126272	0	14.52691	10.86375	6.084292	9.718118	6.687933	0.188018	9.576201	50.93236
LOC101905257	1	0.186411	0.368401	0.378034	0.502426	0.270995	0	0.014147	0	0	0.011067	0.341253	0.005043	0.014777
LOC101905258	1	0.004957	0.006997	0.093367	0.031915	0.006725	0.006485	0.002633	0	0.038436	0.0103	0.028792	0.011571	0.401874
LOC101905262	0.001537	0.149915	0.022437	0.23668	0.246655	0.112733	0	0	0	0	0	0.153684	0	0
LOC101905265	0.001085	2.83761	2.015219	1.916669	2.032484	5.874486	0	0	0	0.151231	0	2.935294	0.030246	0.010304
LOC101905267	0.139558	0.01736	0.318569	0.080564	0.249539	0.058885	0	0.004611	0	0	0	0.144983	0.000922	0.006361
LOC101905285	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905290	1	0.012832	0.043472	0.020017	0.014273	0.002487	0	0.003895	0	0.004738	0.001524	0.018616	0.002031	0.10912
LOC101905293	1	0.039444	0.012727	0.045123	0.060749	0.010194	0	0	0	0.10681	0.003122	0.033647	0.021986	0.653438
LOC101905296	1	0.008993	0	0	0	0.018302	0	0	0.023241	0	0	0.005459	0.004648	0.851475
LOC101905297	1.27E-10	1.503162	1.638994	1.685446	1.952405	1.156523	0	0	0	0	0.009574	1.587306	0.001915	0.001206
LOC101905299	1	0.06023	0.061835	0.047833	0.06559	0.10401	0	0.034905	0.212266	0.169837	0.646247	0.0679	0.212651	3.131838
LOC101905303	0.004992	0.39272	0.386275	0.553345	0.29592	0.532856	0	0	0	0.032745	0	0.432223	0.006549	0.015152
LOC101905308	1	1.985578	2.663814	0.586885	1.573752	8.426668	0.078129	0.85654	0	0	0	3.047339	0.186934	0.061343
LOC101905309	6.71E-10	0.315215	0.415614	0.457744	0.336079	0.29558	0	0	0	0	0	0.364046	0	0
LOC101905312	1	2.026987	2.068158	2.682227	2.942381	1.917091	0.255954	0.103928	0.126401	0.758518	0.785922	2.327369	0.406145	0.174508
LOC101905316	1	0	0	0	0.009409	0	0	0	0.030451	0	0.006529	0.001882	0.007396	3.930091
LOC101905319	6.44E-14	0.365634	0.305196	0.805475	0.544632	0.411264	0	0	0	0	0	0.48644	0	0
LOC101905320	1	0.167686	0.694354	1.770066	0.887178	0	0.438779	0.623569	0.198631	1.155838	0.267136	0.703857	0.536791	0.762641
LOC101905327	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905335	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905339	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905340	1	0.021474	0.025261	0.023449	0.05895	0.031565	0	0.001901	0.002312	0.004626	0.00595	0.03214	0.002958	0.092028
LOC101905343	1	0.054325	0	0	0	0	0	0	0	0	0	0.010865	0	0
LOC101905345	1	0.074252	0.078263	0.043244	0.023719	0.107465	0	0	0	0	0	0.065389	0	0
LOC101905351	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905352	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905354	1	0.016259	0.018361	0.536189	0.923194	0.026473	0	0	0	0.184918	0.24055	0.304095	0.085094	0.279825
LOC101905357	0.011275	0.920309	0.809177	0.430697	0.519718	0.945451	0	0	0.067957	0	0.021855	0.72507	0.017962	0.024773
LOC101905359	0.011136	0.179576	0.188409	0.06947	0.06571	0.114506	0.021233	0.019485	0.010066	0.002517	0.009712	0.123534	0.012603	0.102018
LOC101905365	1	0.052408	0.21983	0.743975	0.551563	0.101585	0	0	0.029024	0.077409	1.126338	0.333872	0.246554	0.738469
LOC101905367	1	0.001606	0	0	0	0	0.016807	0.006824	0.0083	0	0	0.000321	0.006386	19.88544
LOC101905376	0.678383	0.142427	0.091388	0.247429	0.073673	0.035136	0	0	0	0	0.010762	0.118011	0.002152	0.018239
LOC101905381	1	0.01097	0.024777	0	0	0.089308	0	0	0	0	0	0.025011	0	0
LOC101905390	1	0.096866	0.106266	0.235728	0.311636	0.045062	0.072419	0.005881	0.064374	0.515068	0.956938	0.159112	0.322936	2.029619
LOC101905394	1	0.006145	0.001487	0	0	0.002382	0	0.001865	0	0	0	0.002003	0.000373	0.186274
LOC101905398	0.004578	0.028015	0.063276	0.087018	0.138712	0.03041	0.003258	0.001323	0	0	0.00207	0.069486	0.00133	0.019143
LOC101905399	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905403	1	0.004474	0.002526	0.004886	0.00804	0	0	0.004754	0.011564	0	0.018594	0.003985	0.006982	1.75206
LOC101905407	1	0.018113	0.028978	0.060437	0.012054	0.005461	0.010532	0.045974	0.058516	0.018208	0.040147	0.025009	0.034675	1.386523

LOC101905422	1	0.018053	0	0	0	0	0.094476	0.012787	0.077761	0	0	0.003611	0.037005	10.24905
LOC101905424	1	0.005145	0.017432	0	0	0	0	0	0	0	0	0.004516	0	0
LOC101905427	1	0.168178	0.145033	0.38065	0.230762	0.016596	0	0.006498	0.094832	0.047423	0.091495	0.188244	0.048049	0.255251
LOC101905431	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905450	1	0.011289	0.020399	0.078897	0.054094	0.055144	0	0	0.005835	0	0.030027	0.043964	0.007172	0.16314
LOC101905452	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905453	1	0.08478	0.127657	0.08817	0.116066	0	0	0	0	0.041741	0	0.083335	0.008348	0.100177
LOC101905465	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905484	2.28E-06	1.119424	0.88492	0.177802	1.17638	6.061689	0	0	0	0	0	1.884043	0	0
LOC101905490	1	0.004839	0.005177	0.005006	0.002441	0.005529	0	0	0.001316	0.119805	0.004233	0.004598	0.025071	5.452513
LOC101905493	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905498	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905499	1	0.219288	0.297464	0.37619	0.425112	0.173417	0.056022	0.048252	0.100604	0.147574	0.115938	0.298294	0.093678	0.314046
LOC101905507	1	0.01787	0	0.078053	0	0	0	0	0.138548	0	0	0.019184	0.02771	1.444382
LOC101905509	9.98E-19	0.828676	1.352673	7.719661	4.295696	3.237145	0	0	0	0	0	3.48677	0	0
LOC101905510	1	0.044696	0.037857	0	0.020078	0.015161	0	0	0.00722	0	0	0.023559	0.001444	0.061292
LOC101905512	1	0.010339	0	0	0	0	0.027054	0.054925	0.040081	0	0	0.002068	0.024412	11.8057
LOC101905513	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905514	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905517	1	0.017459	0.007887	0	0.016731	0	0	0	0	0	0.002902	0.008415	0.00058	0.068975
LOC101905518	1	0	0.019086	0.03691	0.020245	0	0	0.035913	0.01092	0.174741	0.028095	0.015248	0.049934	3.274694
LOC101905525	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905527	1	0	0.001509	0.005838	0.009607	0	0	0	0	0.01382	0	0.003391	0.002764	0.815105
LOC101905532	1	0.000548	0.003097	0	0	0	0	0.004661	0.001417	0	0	0.000729	0.001216	1.667674
LOC101905533	1	0.049312	0.039398	0.026008	0.023106	0.041874	0.005267	0.007841	0.006069	0.009538	0.005298	0.03594	0.006802	0.189273
LOC101905538	1	0	0	0	0	0	0	0.060467	0	0	0	0	0.012093	#DIV/0!
LOC101905541	1	0.015097	0.017049	0	0	0	0.237025	0.064161	0.039018	0	0	0.006429	0.068041	10.58294
LOC101905550	1	0.027714	0	0	0.022132	0	0	0	0	0.047757	0.122853	0.009969	0.034122	3.422727
LOC101905556	1	0.002646	0.001121	0.006502	0	0	0	0	0	0.013681	0.034644	0.002054	0.009665	4.705778
LOC101905566	1	0.005573	0	0	0	0.015123	1.866569	1.367781	0.691344	0	0	0.004139	0.785139	189.6824
LOC101905571	1	0.028391	0.032063	0.186017	0.102029	0	0	0	0	0	0	0.0697	0	0
LOC101905575	1	0	0.002761	0	0.005857	0.013269	0	0	0	0	0	0.004377	0	0
LOC101905581	1	0	0.0169	0	0	0	0	0	0	0	0	0.00338	0	0
LOC101905583	1	0.007858	0.008874	0	0	0.021324	0	0	0.030463	0	0	0.007611	0.006093	0.800471
LOC101905586	2.95E-09	0.75343	1.07727	0.806599	0.326124	0.263445	0	0	0	0	0.003508	0.645374	0.000702	0.001087
LOC101905588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905590	1	0.000325	0.002571	0.007102	0.001169	0.000882	0.001702	0.005528	0.005883	0.006724	0.003784	0.00241	0.004724	1.960453
LOC101905592	1	0	0.083501	0.080742	0	0.150488	0	0	0	0	0	0.062946	0	0
LOC101905593	1	0.350576	0.313996	0.362079	0.254454	0.281187	0.045189	0.033028	0.031243	0.116062	0.21244	0.312458	0.087592	0.280333
LOC101905595	1	0.051738	0	0	0	0	0.541523	2.0339	0.802283	0	0	0.010348	0.675541	65.28488
LOC101905597	1	0.011827	0.026712	0.051658	0	0.064188	0	0	0	0	0	0.030877	0	0
LOC101905600	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905607	1	0	0	0	0.012385	0	0	0	0	0.240521	0.317959	0.002477	0.111696	45.09293
LOC101905611	1	0.070978	0.116227	0.317779	0.076522	0.086675	0.074291	0.067871	0.082548	0.238506	0.011799	0.133636	0.095003	0.710907
LOC101905616	1	0	0	0	0.00836	0	0	0	0	0	0	0.001672	0	0
LOC101905618	1	0.144191	0.244254	0.288665	0.460601	0.35868	0	0	0	0.062118	0.159796	0.299278	0.044383	0.148299

LOC101905621	1	0.006498	0.003805	0.003154	0.003748	0	0.007557	0.004347	0.004665	0.013686	0.04421	0.003441	0.014893	4.328069
LOC101905630	0.168636	0	0	0.0228	0	0	0.874143	1.131367	1.402992	2.212732	0.138833	0.00456	1.152013	252.6376
LOC101905635	1	0.082986	0.069324	0.071998	0.061279	0.083291	0.011898	0.111118	0.226223	0.082275	0.117163	0.073776	0.109736	1.487422
LOC101905641	1	0.012724	0.014369	0	0	0	0	0	0	0.098669	0	0.005419	0.019734	3.641777
LOC101905644	1	0.007713	0	0	0	0	0.080728	0.016389	0.039867	0	0.08975	0.001543	0.045347	29.39683
LOC101905648	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905651	0.134936	0.072668	0.093383	0.032835	0.030017	0.047599	1.337588	1.203376	2.991943	0.168402	0.154122	0.0553	1.171086	21.17678
LOC101905659	1	0.097436	0.385125	0	0	0	0	0	0	0	0	0.096512	0	0
LOC101905664	1	0.015607	0.015862	0.005113	0.004674	0.00847	0	0.003316	0	0.004034	0.020755	0.009945	0.005621	0.565205
LOC101905666	1	0.015094	0.017046	0.012679	0.013909	0.009453	0	0	0	0	0.009651	0.013636	0.00193	0.141546
LOC101905668	1	5.164742	3.413381	0	0	0	1.842872	1.933064	1.440975	0	0	1.715625	1.043382	0.608165
LOC101905669	1	0.097436	0.055018	0	0	0	0	0	0	0	0	0.030491	0	0
LOC101905670	1	0.049016	0.062352	0.043065	0.053991	0.009173	0	0.001197	0.002912	0.01165	0.004683	0.04352	0.004088	0.093946
LOC101905672	1	0	0.004708	0.00607	0.001665	0	0.014546	0.023625	0.046692	0.071844	0.032343	0.002489	0.03781	15.19289
LOC101905675	1	0.034826	0.027039	0.025353	0.026074	0.025596	0.094926	0.013876	0.016876	0.071266	0.097695	0.027778	0.058928	2.121405
LOC101905677	0.203018	0.118119	0	0	0	0	24.57163	29.17833	18.31627	0	0	0.023624	14.41325	610.1168
LOC101905680	1	0.00621	0.003507	0.004521	0.00372	0	0	0.006598	0.018725	0.080262	0.008603	0.003592	0.022838	6.358803
LOC101905682	1	0.007365	0.016635	0.06434	0.03529	0.039973	0	0	0	0.114224	0	0.032721	0.022845	0.698179
LOC101905683	1	0.008977	0.027036	0	0.010754	0.016241	0	0	0	0	0	0.012602	0	0
LOC101905686	1	1.11412	2.381559	2.346295	1.000948	0.647862	3.53998	0.930069	1.64536	2.262699	0.727587	1.498157	1.821139	1.215586
LOC101905687	1	0.040066	0.022623	0	0	0.054363	0	0.021284	0	0	0	0.02341	0.004257	0.181838
LOC101905702	0.208424	0.044789	0.029333	0.016558	0.012951	0.016383	0	0	0.000726	0.004355	0.001167	0.024003	0.00125	0.052058
LOC101905704	1	0	0	0	0	0	0.34396	0.418986	0.636983	0	0	0	0.279986	#DIV/0!
LOC101905706	3.75E-07	0.181946	0.365285	0.30906	0	0.219441	20.73644	17.78481	14.94284	8.674381	4.738463	0.215146	13.37539	62.16877
LOC101905708	1	0.162188	0.13402	0.008639	0.004739	0.157443	0.069007	0.098069	0.030671	0	0.002192	0.093406	0.039988	0.428107
LOC101905711	1	0.018377	0	0	0	0	0	0	0	0	0	0.003675	0	0
LOC101905720	0.000287	0.008023	0.07248	0.070084	0.01922	0	1.931302	2.147997	1.285503	1.244216	1.09357	0.033961	1.540518	45.36092
LOC101905723	1	0.107961	0.214581	0.631897	0.124153	0.011719	0.610194	0.679058	1.752238	1.049263	1.03373	0.218062	1.024897	4.700025
LOC101905725	1	0	0	0	0	0	0.333175	0	0.082268	0	0	0	0.083089	#DIV/0!
LOC101905728	1	0	0.045126	0	0	0	0	0	0	0	0	0.009025	0	0
LOC101905730	1	0.031747	0.008195	0.057449	0.018472	0.014769	0	0	0.002344	0.009378	0.001508	0.026126	0.002646	0.101281
LOC101905734	0.001646	0.138797	0.138758	0.186349	0.25076	0.231547	0	0.012088	0	0.011763	0.001891	0.189242	0.005148	0.027205
LOC101905743	1	0.011028	0.049816	0.04817	0.026421	0	0	0	0	0	0.07333	0.027087	0.014666	0.541436
LOC101905744	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905748	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905757	1	0	0.005644	0	0	0	0	0.042478	0.025832	0.11626	0.008308	0.001129	0.038576	34.17532
LOC101905760	3.80E-07	0.015743	0.017778	0	0.009429	0	0.782667	1.070469	1.159544	1.627667	2.36833	0.00859	1.401736	163.1834
LOC101905770	1	0.097828	0.136062	0.137187	0.283717	0.061478	0	0	0.010645	0.047912	0.032524	0.143254	0.018216	0.127161
LOC101905771	1	0.003815	0.001958	0.000505	0.002492	0.000314	0	0.000246	0	0.007769	0.003843	0.001817	0.002371	1.305328
LOC101905775	1	0.044035	0	0.09617	0.105498	0.298741	0	0.093572	0	0	0	0.108889	0.018714	0.171867
LOC101905776	1	0.006073	0.003429	0.009947	0.006366	0	0	0	0.003924	0	0.002524	0.005163	0.00129	0.249765
LOC101905778	1	0.002711	0.001837	0.001184	0	0.001471	0.002838	0.004609	0.001401	0	0.003605	0.001441	0.002491	1.728713
LOC101905779	8.71E-05	0.159125	0.172607	0.297223	0.400039	0.386358	0	0.015572	0.002706	0.010824	0.010442	0.28307	0.007909	0.027939
LOC101905780	1	0.094995	0.069419	0.020185	0.015788	0.014247	0.005724	0.009529	0.007774	0.018094	0.026637	0.042927	0.013552	0.315692
LOC101905784	0.057158	0	0	0	0	0	0.0665	0.216013	0.492606	1.182427	0.971667	0	0.585843	#DIV/0!
LOC101905786	0.142153	0.141249	0.13417	0.302717	0.13125	0.107468	0	0.00561	0.006823	0	0.024139	0.163371	0.007314	0.044772

LOC101905788	1	0.070955	0.040065	0	0	0.036103	0	0	0	0	0	0.029425	0	0
LOC101905795	1	0.007136	0	0	0	0	0	0.015163	0.073766	0.811546	0.498193	0.001427	0.279733	196.0128
LOC101905799	1	0	0	0	0	0	1.100222	2.345365	1.856402	0	0	0	1.060398	#DIV/0!
LOC101905801	1	0.219019	0	0	0.896402	0.891518	1.432748	1.47378	0.943404	2.07579	1.577692	0.401388	1.500683	3.738735
LOC101905802	1	1.30946	2.765117	0.058763	0.139669	2.677252	6.571208	8.290432	4.496846	7.140361	7.305561	1.390052	6.760881	4.863761
LOC101905813	0.431897	0.028348	0	0.123824	0.033958	0.038464	0	0	0	0	0	0.044919	0	0
LOC101905817	1	0.009948	0	0	0	0	0	0	0	0	0	0.00199	0	0
LOC101905818	1	0.109953	0.05731	0.120067	0.172239	0.068856	0.68608	0.1977	0.174873	0.437245	0.400708	0.105685	0.379321	3.589164
LOC101905820	1	0.005769	0.006515	0.0054	0.003949	0.004473	0.002157	0	0	0.006391	0.003425	0.005221	0.002395	0.458612
LOC101905821	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905823	1	0.020604	0	0	0	0	0	0	0	0	0	0.004121	0	0
LOC101905824	1	0.001242	0.002805	0	0	0	0	0	0	0	0	0.000809	0	0
LOC101905827	1	0.084158	0.09504	0.082521	0.119328	0.349555	0	0	0	0.008879	0.034261	0.14612	0.008628	0.059047
LOC101905830	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905833	1	0.002848	0.003573	0.003455	0.001516	0	0	0	0	0.006543	0.001578	0.002279	0.001624	0.712844
LOC101905838	1	0.022366	0.02001	0.007295	0.003653	0.007094	0.00076	0.005864	0.001877	0.004505	0.003139	0.012084	0.003229	0.267201
LOC101905845	1	0.095054	0.069966	0.074141	0.164698	0.124367	0.004442	0.00541	0	0.057037	0.005643	0.105645	0.014506	0.137313
LOC101905851	1	0.036313	0.041008	0.031722	0.017399	0.019708	0.114021	0.054014	0.037539	0.037545	0.018109	0.02923	0.052246	1.787393
LOC101905853	7.24E-15	0.933127	0.765693	0.290223	0.493825	0.394834	0	0	0	0	0	0.57554	0	0
LOC101905857	1	0.025483	0.086334	0	0	0.138304	0	0	0	0	0	0.050024	0	0
LOC101905866	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905875	0.00078	1.447804	1.614969	1.11305	1.224044	1.548151	0	0	0.045871	0.104863	0.080084	1.389604	0.046164	0.033221
LOC101905876	1	1.858525	1.708965	0.804249	1.140728	0.968088	0.632358	0.44628	1.152483	0.684154	0.15304	1.296111	0.613663	0.473465
LOC101905883	1	0.04081	0.015362	0.029709	0.019555	0.014766	0	0	0	0	0.004523	0.024041	0.000905	0.037625
LOC101905887	1	0.13391	0	0	0	0	0	0	0	0	0	0.026782	0	0
LOC101905894	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905897	1	0.158915	0.095559	0.910481	1.159487	0.252025	0	0.004386	0	0.213385	0.024015	0.515293	0.048357	0.093844
LOC101905905	1	0.263259	0.243786	0.137987	0.13245	0.842989	0	0.022376	0	0.054438	0	0.324094	0.015363	0.047403
LOC101905908	1	0.008394	0	0	0	0	0.029287	0	0	0	0	0.001679	0.005857	3.488885
LOC101905912	1	0.0035	0.000988	0.003822	0.001048	0	0	0.001859	0.004523	0	0	0.001872	0.001277	0.681978
LOC101905919	1	0.009807	0.005538	0	0	0	0.68005	0.224029	0.329502	0	0	0.003069	0.246716	80.39007
LOC101905925	1	0.149351	0.29516	0.570809	0.46963	0.911901	0	0	0	0	0	0.47937	0	0
LOC101905933	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905940	1	0.001174	0	0.020506	0.004218	0	0	0	0	0	0.003902	0.005179	0.00078	0.150674
LOC101905951	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905956	1	2.246888	1.084967	1.274722	1.39836	3.013615	0.892039	0.603675	0.614069	4.512726	2.867852	1.80371	1.898072	1.052315
LOC101905960	1	0.018301	0.008267	0.007994	0	0	0	0	0	0	0	0.006912	0	0
LOC101905963	1	0.005269	0.047601	0.034521	0.012623	0.014298	0	0	0.054468	0	0.008759	0.022862	0.012645	0.553108
LOC101905966	1	0.039936	0.0287	0.063432	0.078282	0	0	0	0	0	0	0.04207	0	0
LOC101905975	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905977	1	1.413615	1.596403	0	0	6.210805	0.528422	1.001287	1.304788	0	0	1.844165	0.566899	0.307402
LOC101905979	1	4.457057	1.844292	24.74377	22.00842	4.524079	82.43958	36.00434	14.50868	23.39315	41.68334	11.51553	39.60582	3.439341
LOC101905981	1	0.093437	0.084415	0.013604	0.014924	0	0.293393	0.03971	0.064396	0.354227	0.124259	0.041276	0.175197	4.244509
LOC101905985	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101905990	0.388904	1.08756	1.003681	0.77896	0.721433	1.840584	0	0	0.015111	0.12091	0.145797	1.086444	0.056364	0.051879
LOC101905992	1	0.021405	0.029008	18.17563	22.50263	0.104556	0.11202	0.036388	0.143833	0.331971	0.683184	8.166645	0.261479	0.032018

LOC101905995	1	0.004544	0	0.009924	0	0	0	0.009656	0	0.046983	0.120862	0.002894	0.0355	12.26823
LOC101905997	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906001	1	0.106833	0.115723	0.314268	0.368255	0.029583	0.04564	0	0	0.935512	0.692249	0.186932	0.33468	1.790382
LOC101906006	0.00154	0.181398	0.14937	0.041057	0.028528	0.081238	0.007441	0.008392	0.012759	0.01858	0.011883	0.096318	0.011811	0.122624
LOC101906008	1	0.016827	0.032575	0.062998	0.089264	0.039139	0	0.005108	0.02485	0.012427	0.003996	0.048161	0.009276	0.192608
LOC101906009	1	0.439131	0.538247	0.362566	0.307921	0.174389	0	0.01138	0.027681	0.110739	0.008902	0.364451	0.03174	0.087091
LOC101906010	1	0.074429	0.056035	0	0	0	0.129837	0.105438	0	0	0	0.026093	0.047055	1.803371
LOC101906012	1	0	0.034044	0	0	0	0	0	0	0.155843	0.025056	0.006809	0.03618	5.313711
LOC101906016	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906018	1	0.480441	0.317083	0.463312	0.269073	0.880461	0	0	0	0.193536	0.031116	0.482074	0.04493	0.093202
LOC101906021	1	0.312494	0.258794	0.204742	0.174689	0.169601	1.907947	2.83321	1.346038	2.530919	0.709941	0.224064	1.865611	8.326235
LOC101906022	1	0.022121	0.074945	0	0.238489	0	0	0	0	0.457434	0	0.067111	0.091487	1.363215
LOC101906024	1	0.051454	0	0	0	0	2.019586	2.842792	1.994717	0	0	0.010291	1.371419	133.2653
LOC101906030	1	0.010987	0.037222	0.019196	0.010529	0.029815	0	0	0	0	0.04018	0.02155	0.008036	0.372908
LOC101906039	1	0	0	0	0	0	0.478513	0.50517	0.567145	0	0	0	0.310165	#DIV/0!
LOC101906041	0.142154	0.742553	0.774064	0.424139	0.205269	1.240028	0	0	0.059049	0	0	0.677211	0.01181	0.017439
LOC101906042	1	0.006856	0.000596	0	0	0	0.00276	0.002241	0.004089	0	0	0.00149	0.001818	1.219915
LOC101906044	1	0	0	0	0	0	0	0.04089	0	0	0	0	0.008178	#DIV/0!
LOC101906045	1	0	0.104608	0.101151	0.166443	0.125685	0	0.049209	0	0.119717	1.385849	0.099577	0.310955	3.122747
LOC101906048	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906052	1	0.374435	1.313066	0.94687	0.259677	0.748701	0.618803	0.25126	0	0.203757	0.098279	0.72855	0.23442	0.321762
LOC101906053	1	0.02757	0.016605	0	0	0.009976	0	0	0	0	0	0.01083	0	0
LOC101906055	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906064	1	0	0.009567	0	0	0.022988	0	0	0	0	0	0.006511	0	0
LOC101906065	0.177401	0	0	0	0	0	4.661175	6.134737	2.897206	0	0	0	2.738624	#DIV/0!
LOC101906067	1	0.022485	0.006348	0	0	0	0.029418	0.011945	0.014528	0	0	0.005767	0.011178	1.938414
LOC101906072	1	0	0	0	0	0	0	0	0	0.020724	0.019992	0	0.008143	#DIV/0!
LOC101906075	1	0.062655	0.08137	0.034209	0.022516	0.042506	0	0	0.032386	0.016195	0	0.048651	0.009716	0.19971
LOC101906077	1	0.027118	0.010352	0.031698	0.018759	0.004146	0	0	0.000987	0.017771	0.00254	0.018414	0.004259	0.231312
LOC101906081	1	0.000586	0.001324	0.003842	0	0	0	0.001246	0.003031	0.009093	0.005848	0.00115	0.003844	3.340989
LOC101906082	5.67E-13	1.601548	2.441941	0.882576	0.606229	0.732219	0	0	0	0.006428	0.012402	1.252902	0.003766	0.003006
LOC101906086	1	0.156326	0.168328	0.071458	0.091453	0.226906	0.095128	0	0	0	0.03626	0.142894	0.026278	0.183896
LOC101906094	1	0	0	0	0.10066	0	0	0	0	0.434409	0.279374	0.020132	0.142757	7.091034
LOC101906101	1	2.36227	0	0	0	7.456095	0	0	0.086598	0	0	1.963673	0.01732	0.00882
LOC101906105	1	0.003819	0.001232	0	0	0	0	0	0.00141	0	0	0.00101	0.000282	0.279139
LOC101906110	0.133776	0.094994	0.189313	0.09763	0.327991	0.242619	0	0	0	0	0	0.190509	0	0
LOC101906111	1	0.016011	0.162732	1.118955	0.421948	0	0.754116	1.054698	2.234491	3.973007	0.90493	0.343929	1.784249	5.187837
LOC101906120	2.85E-07	0.048218	0.217811	0.184286	0.30324	0.752374	15.96052	15.31787	9.90701	11.9026	9.37805	0.301186	12.49321	41.4801
LOC101906131	1	1.862673	0.507748	0.448883	0.523198	3.416268	4.907602	12.50209	11.38753	7.437839	4.59119	1.351754	8.165251	6.040487
LOC101906134	1	0	0	0	0	0	0.345674	0.070179	0.142257	0	0	0	0.111622	#DIV/0!
LOC101906135	1.27E-07	0.883195	1.359198	2.496176	1.649194	1.409824	0	0	0	0	0.014394	1.559517	0.002879	0.001846
LOC101906138	1	0.140365	0.174367	0.122621	0.184957	0.152362	0	0.059654	0	0	0	0.154934	0.011931	0.077005
LOC101906142	1	0	0	0.045966	0.008404	0	0	0	0	0	0	0.010874	0	0
LOC101906152	1	0	0.005449	0.007026	0.007707	0	0	0	0	0.016631	0	0.004037	0.003326	0.824016
LOC101906153	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906156	1	0	0	0	0	0	0	0.044891	0	0	0	0	0.008978	#DIV/0!

LOC101906160	1	0.003598	0.002709	0	0	0	0	0.010194	0.009298	0.086799	0.069777	0.001261	0.035213	27.91797
LOC101906167	1	0.006127	0.003459	0	0.003669	0	0	0	0	0	0	0.002651	0	0
LOC101906171	0.000172	0.389765	0.771645	0.893267	0.299736	0.626781	0.050365	0.102251	0.062181	0.074627	0.063992	0.596239	0.070683	0.118548
LOC101906172	1	0.010702	0.006593	0.042498	0.018648	0	0.005092	0.004135	0.007544	0.01006	0.001617	0.015688	0.005689	0.36266
LOC101906173	1	0.011883	0.00671	0	0	0	0.09328	0.075752	0.153553	0	0	0.003719	0.064517	17.35021
LOC101906176	1	0.016784	0	0	0	0	0.61484	0.285315	0.173505	0.694122	0.0279	0.003357	0.359136	106.9901
LOC101906177	1	0.197954	0.090817	0.405303	0.259359	0.352526	0	0	0	0.191878	0.020567	0.261192	0.042489	0.162673
LOC101906178	1	0.066246	0.149625	0	0	0	0	0.070385	0.085605	0	0	0.043174	0.031198	0.722607
LOC101906182	1	0	0	0	0	0.018124	1.153433	0.78057	1.208275	0.034527	0	0.003625	0.635361	175.2802
LOC101906193	1	0	0.041465	0.160378	0.021992	0	0	0	0	0	0	0.044767	0	0
LOC101906195	1	0.100498	0.046324	0	0	0.183668	0	0	0	0	0	0.066098	0	0
LOC101906198	0.209062	0.796011	0.941077	0.271634	0.491667	0.067503	0	0	0	0	0	0.513579	0	0
LOC101906200	1	0.373668	0.146778	0.922521	0.408692	3.791524	1.020275	0.379751	0.251928	0.335953	2.565665	1.128636	0.910714	0.806916
LOC101906206	0.012493	1.199191	1.053915	2.682349	1.9694	1.955151	0.303666	0.688431	1.074737	1.249876	0.779698	1.772001	0.819282	0.462348
LOC101906207	1	0	0.027634	0	0	0	0	0	0	0	0.020339	0.005527	0.004068	0.735998
LOC101906218	1	0	0	0.034923	0.215493	0	0	0.01699	0.010332	0.041333	0.199362	0.050083	0.053603	1.070282
LOC101906221	1	0.07182	0	0	0	0.097448	0.939642	0.076307	0	0	0	0.033853	0.20319	6.002028
LOC101906222	1	0.00311	0.004391	0.025473	0.015835	0	0.028485	0	0	0.00402	0.002585	0.009762	0.007018	0.718934
LOC101906226	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906228	1	0.036909	0.012825	0.012401	0.017005	0.046227	0	0	0	0	0	0.025073	0	0
LOC101906230	1.54E-18	10.14113	11.29577	7.867558	11.64601	8.438637	0.635229	0.230294	0.309969	0.268928	0.206581	9.877821	0.3302	0.033428
LOC101906235	1	1.701658	1.886324	2.097575	1.663239	0.594924	2.185359	3.416285	4.910471	6.422319	2.568412	1.588744	3.900569	2.455127
LOC101906240	1	0.211186	0.050602	0.052182	0.038839	0.027901	0.0694	0.005834	0.005737	0.044697	0.019228	0.076142	0.028979	0.380597
LOC101906241	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906243	1	0.024265	0.027402	0	0	0	0	0	0	0.12544	0	0.010333	0.025088	2.427851
LOC101906248	1	0	0	0	0.021049	0	0	0	0	0	0	0.00421	0	0
LOC101906254	1	0	0	0	0	0	0.119716	0	0.177362	0.118259	0.095067	0	0.102081	#DIV/0!
LOC101906262	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906266	1	1.728784	1.575172	1.587467	0.823653	8.209865	3.701165	3.965795	4.010995	4.976389	4.996521	2.784988	4.330173	1.554826
LOC101906267	1	0.337634	0.405123	0.460862	0.252781	0.286321	0	0	0	0	0.035079	0.348544	0.007016	0.020129
LOC101906271	1	0	0.023618	0.091351	0.025053	0	0	0	0	0	0	0.028005	0	0
LOC101906273	1	0.079412	0.08968	0	0	0	13.29881	5.273312	6.054437	0	0	0.033818	4.925311	145.6401
LOC101906276	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906278	1	0.002164	0.002444	0.003151	0.003457	0	0	0.001533	0	0.007458	0	0.002243	0.001798	0.801691
LOC101906279	1	0.081374	0.149757	0.154681	0.216617	0.151305	0.015773	0.006404	0.027262	0	0	0.150747	0.009888	0.065592
LOC101906280	0.410295	0.108717	0	0	0	0	30.15447	15.24721	9.412602	0	0	0.021743	10.96286	504.1919
LOC101906281	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906283	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906286	1	0.10951	0.185505	0.418538	0.590313	0.891518	0	0	0	0	0	0.439077	0	0
LOC101906292	1	0.023702	0.002433	0.10353	0.072273	0	0.022553	0.013736	0.011138	0.16709	0.225661	0.040388	0.088036	2.179764
LOC101906294	1	0.008264	0	0	0	0	0	0	0	0	0.004579	0.001653	0.000916	0.554111
LOC101906299	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906300	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906304	1	0.112746	0.123934	0.011656	0.007592	0.008147	0.043642	0.054579	0.137072	0.38972	0.088166	0.052815	0.142636	2.700665
LOC101906305	0.490645	0.07123	0.12066	0.103708	0.056884	0.37048	0	0	0	0	0	0.144592	0	0
LOC101906311	1	0.008858	0.007225	0.131126	0.014149	0.006677	0	0.001046	0.118286	0.050883	0.087536	0.033607	0.05155	1.533908

LOC101906312	1	0.226845	0.160111	0.185783	0.305703	0.153896	0.445183	0.060254	0.097711	0.146588	0.078561	0.206468	0.16566	0.802352
LOC101906315	1	0.072457	0.081826	0.274289	0.162019	0.131083	0	0	0	0.074915	0	0.144335	0.014983	0.103808
LOC101906317	1	0	0	0.852599	0.742734	0	0	0	0	0.929946	0.91618	0.319067	0.369225	1.157204
LOC101906318	1	0.422636	0.387794	0	0	0.250883	0.069118	0.140325	0.375471	0	0	0.212263	0.116983	0.551123
LOC101906319	1	0	0.031672	0	0	0.050737	0.146769	0	0	0	0	0.016482	0.029354	1.781001
LOC101906324	1	0.000923	0.007293	0.034253	0.012157	0	0	0.005881	0	0.004769	0.007668	0.010925	0.003664	0.335355
LOC101906330	0.196979	0.239364	0.457457	0.603187	0.573466	1.19918	0	0	0	0	0	0.614531	0	0
LOC101906333	1	0.033918	0.02057	0.024692	0.006019	0	0.003287	0.010677	0.00974	0.133129	0.005221	0.01704	0.032411	1.902081
LOC101906339	1	0.536214	0.484439	0.234214	0.224814	0.145511	0	0	0	0	0	0.325038	0	0
LOC101906342	1	0	0.026984	0	0	0	0	0	0	0	0	0.005397	0	0
LOC101906344	1	0.078045	0.146894	0.039981	0.041551	0.112431	0.035297	0.030711	0.044823	0.358635	0.089694	0.08378	0.111832	1.334822
LOC101906347	0.008479	0.560201	0.619858	1.235815	1.240447	0.998112	0	0	0	0.087759	0.047032	0.930887	0.026958	0.02896
LOC101906358	1	0.502961	0.667864	0.265558	0.529665	0.269974	0.318173	0.058723	0.214265	0	0.027563	0.447204	0.123745	0.276708
LOC101906359	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906360	1	0.003999	0	0	0	0	0	0	0	0	0	0.0008	0	0
LOC101906363	1	1.131378	0.574952	0	0	0.460528	48.84721	23.19978	14.18132	0	0	0.433372	17.24566	39.79414
LOC101906364	1	0.011013	0.013991	0.105225	0.046172	0	0.007204	0.024864	0.083607	0.014233	0.006865	0.03528	0.027355	0.775351
LOC101906366	5.34E-22	1.12997	0.110007	0.085097	0.280052	0.158605	107.2587	110.6175	89.07047	64.65976	140.8466	0.352746	102.4906	290.5506
LOC101906367	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906383	1	0.022865	0.002979	0.009603	0.005267	0.002386	0	0	0	0.009093	0.002924	0.00862	0.002403	0.278794
LOC101906392	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906393	1	0.067382	0.067695	0.095559	0.046648	0.042745	0.006869	0.003719	0.015831	0.038453	0.031276	0.064006	0.01923	0.30044
LOC101906397	1	0.143255	0.129013	0.312863	0.139021	0.221438	0.189797	0.015413	0.051552	0	0.030144	0.189118	0.057381	0.303415
LOC101906398	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906405	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906408	0.404597	0.01411	0.021247	0	0	0	0.049229	0.109941	0.085091	0.170206	0.015637	0.007071	0.086021	12.16464
LOC101906410	1	0.051077	0.103826	0.200789	0.146843	0.207908	0	0	0	0.026405	0.016981	0.142088	0.008677	0.061069
LOC101906411	1	0.026638	0.046491	0.097841	0.073972	0.023	0	0.054031	0.078232	0.043816	0.028179	0.053588	0.040852	0.762322
LOC101906426	1.22E-07	0.064687	0	0.094183	0.103318	0.058513	6.996284	3.940441	4.346697	7.468489	5.053998	0.06414	5.561182	86.70334
LOC101906433	1	0.003528	0	0	0	0	0.276967	0.25491	0.264438	0	0	0.000706	0.159263	225.6971
LOC101906435	1	0.114254	0.157351	0.149107	0.116001	0.183382	0.010938	0.044412	0.018005	0.007203	0.006949	0.144019	0.017501	0.12152
LOC101906441	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906445	1	0	0	0	0	0	0.124256	0	0.061363	0	0.039469	0	0.045018	#DIV/0!
LOC101906447	1	0.141029	0.182571	0.435709	0.280189	0.056006	0.972064	0.263132	0.097787	0.426771	0.331642	0.219101	0.418279	1.909075
LOC101906449	1	0	0.002184	0.004224	0	0	0	0	0	0	0	0.001282	0	0
LOC101906451	1	0.194346	0.144655	0.456599	0.261025	0.115866	0.077051	0.003129	0.022831	0.076113	0.002447	0.234498	0.036314	0.15486
LOC101906454	1	0.088987	0.050247	0.030686	0.014026	0.025419	0.02451	0.009952	0.042365	0.048424	0.011678	0.041873	0.027386	0.654028
LOC101906455	0.011083	2.473899	0.693822	0.423406	0.575685	0.696528	23.74995	6.713296	3.366194	8.300252	6.858615	0.972668	9.797662	10.07298
LOC101906456	1	0	0	0.016085	0	0	0	0	0	0	0	0.003217	0	0
LOC101906457	1	0.026801	0.041132	0.057032	0.02058	0.014919	0	0.00146	0.003552	0.003553	0.009139	0.032093	0.003541	0.11033
LOC101906460	1	4.994024	6.465114	4.256294	6.420041	17.45664	2.629473	2.313297	8.125757	0.747757	0.480893	7.918423	2.859435	0.361112
LOC101906463	1	0.012949	0.007582	0.010474	0.003447	0	0	0	0	0.275198	0.016742	0.00689	0.058388	8.47386
LOC101906467	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906469	1	0.046887	0.029705	0.006772	0.00634	0.012477	0.007834	0.004203	0.009119	0.026256	0.004533	0.020436	0.010389	0.50837
LOC101906472	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906475	1	0.045914	0.020524	0.004178	0.009167	0.005192	0.005006	0	0.004944	0.004945	0.00477	0.016995	0.003933	0.231427

LOC101906477	0.098552	0.763115	1.504639	1.360317	1.141428	1.2537	0.107936	0.219133	0.170571	0.063973	0.061713	1.20464	0.124665	0.103488
LOC101906484	1	0.586592	0.494024	0.911965	0.92896	1.672757	0	0	0	0.359784	0	0.91886	0.071957	0.078311
LOC101906485	1	0	0	0	0	0	0	0	0.023562	0	0	0	0.004712	#DIV/0!
LOC101906488	1	0.025357	0.009545	0	0	0	0	0	0	0	0	0.00698	0	0
LOC101906490	0.000217	0.210905	0.320389	0.246281	0.253497	0.147197	0.003735	0.009858	0.004611	0.038742	0.011864	0.235654	0.013762	0.0584
LOC101906496	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906498	1	0.00486	0.043908	0	0.005822	0	0	0.024097	0.008374	0.01675	0.013465	0.010918	0.012537	1.148306
LOC101906501	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906502	1	0.221443	0.20487	0.980264	0.438707	0.598611	1.840838	1.312122	1.080777	1.083136	1.505009	0.488779	1.364377	2.791398
LOC101906506	1	0.119395	0.026967	0	0.042907	0.162	0	0	0	0	0	0.070254	0	0
LOC101906508	0.513728	0.053802	0.093474	0.072308	0.1636	0.123538	0	0	0	0	0.00688	0.101344	0.001376	0.013577
LOC101906511	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906512	1	0.001873	0.002115	0	0.006732	0	0	0.007961	0	0	0.003114	0.002144	0.002215	1.033068
LOC101906513	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906522	1	0.024417	0.027574	0.030872	0.02463	0	0	0.008192	0.001661	0.016609	0.016022	0.021499	0.008497	0.395218
LOC101906526	0.277043	0.142936	0.089491	0.250703	0.110008	0.150731	0	0.001574	0.001914	0.015315	0.023391	0.148774	0.008439	0.056722
LOC101906531	1	0.000811	0.003662	0	0	0.004399	0	0	0	0	0	0.001774	0	0
LOC101906544	1	0.002242	0.003799	0.001837	0.000336	0.000761	0.005868	0.002383	0.000724	0.013042	0	0.001795	0.004403	2.45335
LOC101906545	1	0.043613	0.024626	0	0	0.118352	0	0	0	0	0	0.037318	0	0
LOC101906546	1	0	0.00227	0.032922	0.006019	0	0.005259	0	0	0.025977	0.05513	0.008242	0.017273	2.095679
LOC101906554	1	0	0.020618	0	0	0	0	0	0	0	0	0.004124	0	0
LOC101906559	1	0.035602	0.033857	0.057292	0.02918	0.015254	0	0	0.009685	0.058121	0.009345	0.034237	0.01543	0.450686
LOC101906564	1	0	0.010479	0	0.022231	0.02518	0	0	0	0	0.015425	0.011578	0.003085	0.266452
LOC101906565	1	0.42002	0	0	0	0.732726	23.23706	6.948911	5.272511	0	0	0.230549	7.091697	30.76004
LOC101906567	1	0.26871	0.075864	0.041918	0.068975	0.052085	0.050223	0	0	0.049612	0	0.10151	0.019967	0.196699
LOC101906569	1	0.717924	0.745895	0.125433	0.343998	0.701355	2.705133	2.288327	2.078085	2.672212	0.859269	0.526921	2.120605	4.024521
LOC101906581	1	0.197693	0.178605	0.086351	0.047363	0.912008	0	0	0	0	0	0.284404	0	0
LOC101906588	1	0	0.003087	0	0	0	0	0	0	0	0	0.000617	0	0
LOC101906592	5.07E-05	0.10207	0	0	0.024454	0.110794	4.166493	4.207736	3.376565	2.638325	2.443311	0.047464	3.366486	70.92787
LOC101906593	1	0.222413	0.456676	0.063083	0.132637	0.06532	0	0	0	0.004977	0.076826	0.188026	0.016361	0.087013
LOC101906595	1	0	0.003261	0	0	0	0.030223	0.058292	0.089554	0	0	0.000652	0.035614	54.60611
LOC101906603	1	0.077671	0.017543	0.101778	0.055825	0	0	0	0	0	0	0.050564	0	0
LOC101906604	1	0.479177	0.670364	0.343628	0.359823	1.319737	0.112285	0.349541	0.110902	0.110918	0	0.634546	0.136729	0.215476
LOC101906606	1	0.2571	0.284253	0.746044	0.342438	0.112215	0.009409	0.011461	0.027879	0.353191	0.104605	0.34841	0.101309	0.290776
LOC101906607	1.84E-05	0.48169	0.582273	1.023189	0.500279	0.548764	0.023006	0.025356	0.056808	0.090906	0.016704	0.627239	0.042556	0.067846
LOC101906615	1	1.838961	1.944191	0.59816	0.703047	0	0	0	0	0	0.065042	1.016872	0.013008	0.012793
LOC101906617	0.262864	0.000667	0.004144	0.001457	0.000799	0	0.005237	0.023393	0.041383	0.137964	0.047136	0.001413	0.051023	36.09664
LOC101906632	0.632062	0.176488	0.257643	0.291432	0.273291	0.327074	0	0.045735	0.011125	0	0.007156	0.265185	0.012803	0.04828
LOC101906638	1	0	0	0	0	0	0	0	0	0.273109	0	0	0.054622	#DIV/0!
LOC101906646	1	0.028031	0	0	0	0	0.146696	0.148912	0.072445	0	0	0.005606	0.073611	13.13014
LOC101906656	9.87E-06	0.520434	0.442075	0.424992	0.35237	0.767547	0	0	0.023392	0	0.003761	0.501484	0.005431	0.010829
LOC101906657	1	0.002954	0.007783	0.062358	0.005897	0	0	0	0	0	0.001637	0.015798	0.000327	0.02072
LOC101906664	1	0.606312	1.052118	1.291865	1.133732	3.290662	0.619128	0.188544	0.229314	1.528982	2.286196	1.474938	0.970433	0.657948
LOC101906669	1	0.007382	0.050019	0.725491	0.61521	0.040065	0	0.004482	0.005451	0.038162	0.014024	0.287633	0.012424	0.043194
LOC101906672	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906676	1	0.017061	0.025689	0.01242	0.027249	0	0	0.012084	0	0.044099	0.047267	0.016484	0.02069	1.255184

LOC101906679	1	0.020362	0.012467	0	0	0.001997	0	0	0.000634	0	0.000408	0.006965	0.000208	0.029915
LOC101906682	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906686	1	0	0	0	0	0	0	0	0	0.010518	0	0	0.002104	#DIV/0!
LOC101906688	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906691	1	0.012746	0.014394	0.027836	0.011451	0	0	0	0	0.016473	0.005297	0.013285	0.004354	0.327724
LOC101906692	1	0.017296	0.012208	0.009443	0	0	0.022628	0	0	0	0.416891	0.007789	0.087904	11.28524
LOC101906694	1	0.003041	0.003434	0.037001	0.017433	0.000589	0.00682	0.006	0.009543	0.040423	0.01011	0.0123	0.014579	1.185357
LOC101906704	1	0.095882	0.175955	0.418805	0.086142	0	0.062723	0	0.030975	0.061959	0	0.155357	0.031131	0.200387
LOC101906705	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906708	0.384352	0.032895	0.045404	0.023947	0.014595	0.049593	0	0	0	0	0	0.033287	0	0
LOC101906715	1	0	0	0.062717	0	0	0	0.122044	0	0	0	0.012543	0.024409	1.945959
LOC101906717	1	0.841801	0.573669	0.697347	0.747599	0.157543	0.911467	0.956075	3.263382	3.526466	2.099032	0.603592	2.151284	3.564138
LOC101906725	1	0.04334	0.03263	0.063103	0.051917	0.078408	0.037803	0.046048	0.037337	0	0	0.05388	0.024238	0.449846
LOC101906730	1	0.056378	0.014293	0.030154	0.011026	0.009367	0	0	0	0.15465	0.229517	0.024244	0.076833	3.169224
LOC101906731	1	0.088339	0.179571	0.038586	0.084657	0	0	0	0.091323	0	0	0.078231	0.018265	0.233471
LOC101906734	1	0.00623	0.004894	0.220071	0.338762	0.010291	0	0.004029	0.007001	0.170843	0.095912	0.11605	0.055557	0.478733
LOC101906736	1	0.003226	0.001457	0	0.000773	0	0.023632	0.005483	0.006669	0.00667	0.002145	0.001091	0.00892	8.17534
LOC101906737	1	0	0.021467	0.041515	0	0.051584	0	0	0	0	0	0.022913	0	0
LOC101906739	1	0	0	0	0	0.013528	0	0.015889	0.006442	0.038656	0	0.002706	0.012197	4.508322
LOC101906743	1	8.029507	1.152683	0	0	1.938891	0	0	0	0	0	2.224216	0	0
LOC101906754	1	0.16038	0.110889	0	0	0.168759	0	0	0	0	0	0.088006	0	0
LOC101906756	1	2.192079	2.533386	0.88715	0.854835	3.753862	0.325579	0.357714	1.541643	0.245942	0.438006	2.044262	0.581777	0.28459
LOC101906757	1	0.071947	0.065	0.116607	0.053979	0.052407	0.005945	0.010461	0.016637	0.033279	0.013219	0.071988	0.015908	0.220983
LOC101906758	1	0	0.368858	0.178334	0.19563	0	0	0	0	0	0	0.148564	0	0
LOC101906778	1	0.034692	0.046301	0.158419	0.185118	0.077025	0	0.026807	0.016302	0.554336	0.073397	0.100311	0.134168	1.337524
LOC101906779	1	0.456635	0.492761	0	0	0.132177	0	0	0.026225	0	0	0.216315	0.005245	0.024248
LOC101906781	0.433722	0.041051	0.092719	0	0.049175	0.111399	0	0	0	0.742768	0.989489	0.058869	0.346451	5.885151
LOC101906791	0.047725	0.372115	0.420232	0.071708	0.117994	0.297	0	0	0	0	0	0.25581	0	0
LOC101906793	0.000325	0.0255	0	0	0.030547	0.069199	0.333627	1.652691	2.306631	3.954801	4.472124	0.025049	2.543975	101.5593
LOC101906811	1	0.017503	0	0.076452	0.062901	0	0.0916	0.297547	0	0.090485	0.116384	0.031371	0.119203	3.799755
LOC101906818	0.478048	0.850425	1.157853	1.857295	1.780378	2.825405	0	0.101333	0.328654	0.164351	0.039636	1.694271	0.126795	0.074837
LOC101906823	0.393651	0	0	0	0	0	0.026999	0.043851	0.048889	0.026671	0.020011	0	0.033284	#DIV/0!
LOC101906828	0.505733	0.434838	0.389735	0.407002	0.537427	1.105087	0.036121	0.029334	0.017838	0	0	0.574818	0.016659	0.028981
LOC101906836	1	0.067416	0.0571	0	0	0.045736	0	0	0	0	0	0.03405	0	0
LOC101906837	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906850	1	0.184032	0.243222	0.142163	0.073163	0.174463	0.12617	0.07343	0.031154	0.058163	0.018703	0.163409	0.061524	0.376504
LOC101906854	1	0	0.060598	0.234381	0	0	0	0	0	0	0	0.058996	0	0
LOC101906855	1.43E-08	0.365743	0.619553	0.079877	0.394309	0.744379	32.44316	20.36223	21.03161	11.53362	14.22688	0.440772	19.9195	45.1923
LOC101906859	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906862	1	0.004576	0	0	0	0	0	0	0	0	0	0.000915	0	0
LOC101906863	1	0.011307	0.012769	0	0.057564	0.030683	0.08876	0.006007	0.043833	0.04384	0.004699	0.022465	0.037428	1.666062
LOC101906866	1	0.014089	0	0.020513	0.03938	0.038233	0.036867	0.014969	0	0.012139	0.027324	0.022443	0.01826	0.813604
LOC101906870	1	9.541763	8.41159	12.61346	17.02922	7.186221	17.95027	10.36118	11.11336	6.040985	10.52315	10.95645	11.19779	1.022027
LOC101906880	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906884	0.002764	0.107844	0.181387	0.836871	0.390305	0.068493	0	0	0	0.011862	0	0.31698	0.002372	0.007484
LOC101906885	1	0.00503	0	0.021969	0.01205	0	0	0	0	0	0.058527	0.00781	0.011705	1.498811

LOC101906890	1	0.126471	0.025968	0	0	0	0	0	0.014857	0	0	0.030488	0.002971	0.097463
LOC101906893	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906901	1	0.009906	0.011186	0.1947	0.118658	0	0	0	0	0	0	0.06689	0	0
LOC101906903	1	0.016837	0.004225	0.004086	0.02241	0	0	0	0.024175	0.038685	0.034209	0.009512	0.019414	2.041045
LOC101906904	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906908	1	0.595795	0.281185	0	0.010652	0.048262	1.116892	0.925906	0.55157	1.608978	1.300837	0.187179	1.100837	5.881201
LOC101906914	1	0.283332	0.137129	0	0	0.109839	0.847297	0	0.209216	0	0	0.10606	0.211303	1.992293
LOC101906916	1	0.346191	0.814491	0	0	0	117.1587	34.82025	50.92402	0	0	0.232137	40.5806	174.8135
LOC101906920	1	0.007313	0.00413	0	0	0.029769	0.133957	0.279732	0.151209	0	0	0.008242	0.11298	13.70703
LOC101906923	1	0.934979	0.459077	0	0	0.110314	16.16834	4.319094	9.980782	0	0	0.300874	6.093644	20.25314
LOC101906934	1	0.063881	0.144281	0	0.153044	0	0	1.085944	0.825478	3.962872	5.203348	0.072241	2.215528	30.66848
LOC101906936	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906939	1	0.034779	0	0.227871	0	0	0.182012	0.073904	0	1.078782	0.11563	0.05253	0.290066	5.521904
LOC101906952	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101906966	0.31787	0.057654	0.065109	0	0	0.078227	14.93532	13.20071	16.68847	0	0	0.040198	8.964902	223.0175
LOC101906971	1	0.054081	0.090084	0.067913	0.071261	0.128413	0.042453	0.034476	0.136274	0.174736	0.092148	0.08235	0.096017	1.165963
LOC101906976	1	0.047714	0.05672	0.007678	0.017448	0.043615	0.011828	0.028283	0.058412	0.023368	0.010854	0.034635	0.026549	0.766538
LOC101906978	1	0	0.093812	0	0	0	0	0	0	0	0.023015	0.018762	0.004603	0.245333
LOC101906979	1	0.013883	0.011877	0.010106	0.010079	0.018266	0.015411	0.007152	0.003262	0.008699	0.005595	0.012842	0.008024	0.62479
LOC101906985	2.61E-06	0.252092	0.589714	0.353931	0.47454	0.342048	0	0	0	0	0	0.402465	0	0
LOC101906989	1	0.863147	0.99343	0.527244	0.360499	0.673074	0.034614	0.281095	0.264955	0.034193	0.02199	0.683479	0.127369	0.186355
LOC101906999	0.708959	0.298667	0.337286	0.383692	0.441953	0.381404	0	0	0	0	0	0.368601	0	0
LOC101907000	1	0.10951	0.061835	0	0	0.445759	2.578946	1.163511	0.707553	0.566125	0	0.123421	1.003227	8.128513
LOC101907004	1	0	0	0.037969	0.017355	0	0.050546	0.024628	0.054916	0.319557	0.073856	0.011065	0.104701	9.462595
LOC101907005	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907006	1	0.09937	0.023379	0.090425	0.00992	0	0	0	0	0	0	0.044619	0	0
LOC101907007	1	0.996785	0.95179	0.690249	0.878543	1.187537	0.106026	0.051661	0.188498	0.481786	0.626423	0.940981	0.290879	0.309123
LOC101907009	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907017	1	0.359459	0.548984	0.351401	0.492107	0.724623	0.107495	0.087295	0.017695	0	0.005691	0.495315	0.043635	0.088096
LOC101907018	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907022	1	0	0	0.060408	0	0	0	0	0	0	0	0.012082	0	0
LOC101907023	1	0	0.023844	0	0	0.009549	0.06906	0.057952	0.077304	0.004548	0.00585	0.006679	0.042943	6.429823
LOC101907033	1	0.006047	0	0	0.001449	0	0	0	0	0.006252	0.006031	0.001499	0.002457	1.638724
LOC101907041	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907049	1	0.027464	0	0	0	0.012421	0	0	0	0	0	0.007977	0	0
LOC101907053	1	0.012132	0.027402	0	0	0	0	0	0	0	0	0.007907	0	0
LOC101907062	1	0.010092	0.011397	0	0	0	0	0	0	0	0	0.004298	0	0
LOC101907070	1	0	0.0244	0	0	0	0	0	0	0	0	0.00488	0	0
LOC101907074	0.000134	0.054064	0.069926	0.12211	0.057013	0.084014	0.002418	0.003928	0.001194	0.002389	0.003073	0.077425	0.0026	0.033584
LOC101907083	1	0.057364	0.051825	0	0	0	0.540366	0.853265	1.334279	0	0	0.021838	0.545582	24.98346
LOC101907084	1	0.153762	0.099225	0	0	0.35765	0	0	0	0	0	0.122127	0	0
LOC101907089	0.18866	0	0	0.038173	0	0	0.22868	0.185707	0.406555	0.451793	0.842608	0.007635	0.423069	55.41488
LOC101907094	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907096	1	0.019124	0.021597	0.029054	0.025398	0.02482	0.01523	0.013251	0.017191	0.040835	0.024879	0.023999	0.022277	0.928273
LOC101907097	1	0	0.079386	0.051175	0.056138	0.063587	0.551827	0.547714	0.514752	0.969087	0.545329	0.050057	0.625742	12.50049
LOC101907101	1	0.14204	0.071292	0	0	0	1.404093	0.838412	2.20257	1.468594	0.052471	0.042666	1.193228	27.96642

LOC101907107	2.42E-08	0.352575	0.35465	0.378693	0.890853	0.721501	0	0	0	0.00996	0.003203	0.539654	0.002633	0.004878
LOC101907109	1	0.036222	0	0	0	0	0	0	0	0	0	0.007244	0	0
LOC101907117	1	0.050111	0.016169	0.015634	0.008575	0	0	0	0	0	0	0.018098	0	0
LOC101907118	1	0.031671	0.035766	0.650809	0.113815	0.097664	0.090406	0.214134	0.528316	0.312571	0.775357	0.185945	0.384157	2.065967
LOC101907120	1.14E-12	0	0	0.194854	0	0	43.19003	27.77475	18.44679	18.91071	12.755	0.038971	24.21546	621.3753
LOC101907125	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907126	1	0	0	0.004919	0.002698	0	0.070718	0.047858	0.023282	0	0	0.001523	0.028372	18.62506
LOC101907127	1	0	0.079139	0	0.033578	0	0	0	0	0	0	0.022544	0	0
LOC101907132	1	0.016034	0.013226	0.009135	0.008017	0.007567	0.002919	0.009925	0.026845	0.01874	0.01182	0.010796	0.01405	1.301423
LOC101907133	0.16844	0.264549	0.159016	0.382071	0.322014	0.191054	0	0.004534	0.033083	0.011029	0.031919	0.263741	0.016113	0.061094
LOC101907137	1	0.140733	0.421167	0.215149	0.151725	0.992951	0.07365	0.029905	0	0.181885	0.140368	0.384345	0.085162	0.221576
LOC101907138	0.079412	0	0	0	0.03797	0.086017	0.829422	1.448154	1.392655	0.409664	0.474229	0.024798	0.910825	36.73049
LOC101907140	1	0.003607	0.002444	0.00512	0.007562	0.000979	0.01227	0.004599	0.013517	0.010256	0.014691	0.003942	0.011067	2.807053
LOC101907141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907142	1	0.008199	0.001852	0.003581	0	0	0	0.001161	0.001413	0.002826	0.008177	0.002726	0.002715	0.996
LOC101907145	1	0.08005	0.229478	0	0	0.501296	0	0.052339	0.015914	0	0	0.162165	0.013651	0.084177
LOC101907152	8.84E-05	0.261815	0.532205	0.276367	0.287491	0.390764	0	0	0	0	0	0.349729	0	0
LOC101907157	1	0.006136	0.027716	0.160797	0.058798	0.266397	0.288984	0.208603	0.57085	0.412341	0.316179	0.103969	0.359391	3.456725
LOC101907159	1	0	0	0	0.014929	0	0	0	0	0	0	0.002986	0	0
LOC101907165	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907166	1	0.015925	0.023458	0.378048	0.361632	0.003758	0.007247	0.002943	0.010737	0.103805	0.088628	0.156564	0.042672	0.272553
LOC101907169	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907174	1	0.041082	0.01299	0	0	0.008919	0.0043	0.003492	0	0	0	0.012598	0.001558	0.123697
LOC101907189	1	0	0.074593	288.0787	42.85866	0	0	0	0	194.7498	43.5178	66.20238	47.65353	0.719816
LOC101907192	1	0.001104	0.003739	0	0.005288	0	0.005775	0	0.002852	0.005705	0.001835	0.002026	0.003233	1.595921
LOC101907194	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907195	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907203	0.002642	0.873061	1.078149	0.158943	0.162778	0.315189	0.017568	0.03424	0.015616	0.102041	0.070981	0.517624	0.048089	0.092904
LOC101907206	1	0.079636	0	0	0	0.036018	0.138921	0.141019	0.102908	0	0	0.023131	0.07657	3.310285
LOC101907213	1	0.057854	0.016334	0	0	0.117748	0	0	0	0	0	0.038387	0	0
LOC101907217	1	0.009428	0.026618	0	0	0	0.049341	0.120206	0.097466	0.438661	1.245982	0.007209	0.390331	54.14301
LOC101907219	0.536516	0.052194	0.098617	0.035074	0.072142	0.032686	0	0	0	0.010378	0	0.058142	0.002076	0.035698
LOC101907227	1	0.00527	0	0	0	0	0	0	0	0	0	0.001054	0	0
LOC101907241	1	0	0	0	0.010911	0	0	0	0	0	0	0.002182	0	0
LOC101907242	1	0.035741	0.091702	0	0	0.095289	0.244473	0.03531	0.097233	0	0	0.044546	0.075403	1.692687
LOC101907246	1	0.066295	0.055458	0.023748	0.02395	0.017134	0	0	0.004533	0.018133	0.002332	0.037317	0.005	0.133979
LOC101907247	1	0.006581	0.00637	0.063652	0.015767	0.010205	0	0	0	0.058324	0.120342	0.020515	0.035733	1.741785
LOC101907250	1	0.205342	0.185515	0	0	0.068582	0.115728	0.033565	0.228607	0	0	0.091888	0.07558	0.822525
LOC101907255	1	0.31882	0.300038	0.232097	0.091942	0.09613	0	0	0	0.091566	0.186476	0.207806	0.055608	0.267599
LOC101907256	0.21574	0.301772	0.641493	0.465218	0.340227	1.396965	0	0	0	0	0	0.629135	0	0
LOC101907264	1	0.016969	0.019164	0	0	0.034537	0.044403	0	0	0	0	0.014134	0.008881	0.628317
LOC101907265	1	0	0.017428	0.033703	0.027729	0.104694	0	0.163962	0	0	0.012827	0.036711	0.035358	0.963144
LOC101907275	1	0.043495	0.099932	0.072063	0.008983	0	0.133435	0.101986	0.91479	0.162825	0.107208	0.044895	0.284049	6.327011
LOC101907276	1	0.213743	0.128737	0.062241	0.238972	0.116006	0	0	0	0.441989	0.592187	0.15194	0.206835	1.361299
LOC101907294	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907298	1	0	0.004361	0	0	0	0	0	0	0	0	0.000872	0	0

LOC101907299	1	0.011723	0.012221	0.006565	0.011162	0.006526	0.018877	0.01022	0.007769	0.037295	0.019488	0.009639	0.01873	1.943049
LOC101907302	1	0.010463	0	0	0	0	0.054756	0.666993	1.243874	0	0	0.002093	0.393125	187.8662
LOC101907306	2.73E-32	11.1934	8.917911	5.172931	11.56107	10.20502	0	0	0	0	0	9.410067	0	0
LOC101907313	1	0.005789	0	0	0	0	0	0.024604	0.014962	0.179575	0.096239	0.001158	0.063076	54.47551
LOC101907315	1	0.023749	0.008603	0.02153	0.012346	0.007296	0.002345	0.037136	0.039375	0.004633	0.002235	0.014705	0.017145	1.165925
LOC101907320	1	0.117421	0.092176	0.071929	0.054033	0.087432	0.093674	0.076071	0.099922	0.011104	0.004761	0.084598	0.057106	0.675031
LOC101907322	0.601354	1.31692	1.110499	0.50844	0.732574	2.762772	0	0	0.026941	0.215557	0.098195	1.286241	0.068138	0.052975
LOC101907327	2.70E-05	0.463046	1.219286	0.360454	0.126313	0.261264	0	0	0	0.01185	0	0.486073	0.00237	0.004876
LOC101907330	1	0	0.103798	0	0	0	0	0	0	0	0	0.02076	0	0
LOC101907335	1	0	0	0.036985	0.010143	0	0	0	0	0	0.063341	0.009426	0.012668	1.344008
LOC101907338	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907342	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907345	1	0.004256	0.004806	0.004647	0	0	0	0	0.005499	0.022001	0.010612	0.002742	0.007622	2.780057
LOC101907348	1	0.011643	0.017532	0.033905	0.013948	0.042129	0	0	0.005015	0	0.006452	0.023831	0.002293	0.096235
LOC101907353	1	0.071751	0.101286	16.39493	19.7256	0.657144	0.046937	0	0.02318	2.225567	1.103289	7.390143	0.679794	0.091987
LOC101907357	1	0.42624	0.572623	0.292864	0.372903	0.105595	0.112786	0.318026	0.020113	0.052612	0.044782	0.354045	0.109664	0.309745
LOC101907363	1	0	0	0	0	0.028111	0	0.022012	0	0	0	0.005622	0.004402	0.783053
LOC101907369	1	0.00246	0.011115	0	0	0	0.012877	0	0	0	0	0.002715	0.002575	0.948544
LOC101907383	1	0.008924	0.020156	0	0	0	0	0	0	0	0	0.005816	0	0
LOC101907386	1	0.141444	0.102229	0.037069	0.057608	0.04606	0.044413	0.024045	0.051177	0	0	0.076882	0.023927	0.311219
LOC101907388	1	0.757343	1.262215	1.262737	2.499722	0.24861	0	0.142762	0.173632	0.389414	0.362119	1.206126	0.213585	0.177084
LOC101907394	1	0.070554	0.064501	0.073375	0.068418	0.054703	0	0.007139	0	0	0.03351	0.06631	0.00813	0.122603
LOC101907404	1	0.252399	0.317611	0.509231	0.339781	0.156555	0	0	0	0.323096	0.147849	0.315115	0.094189	0.298903
LOC101907405	1	0.004814	0.038058	0	0	0.100162	0	0	0	0	0	0.028607	0	0
LOC101907407	1	0.012417	0	0	0.003719	0	0	0	0	0	0	0.003227	0	0
LOC101907408	0.054477	0.656708	0.508851	0.502502	0.453625	0.195119	0	0.040744	0	0	0.031873	0.463361	0.014523	0.031344
LOC101907410	1	0.01194	0	0	0	0	0	0	0	0	0	0.002388	0	0
LOC101907436	1.70E-06	0.022792	0	0	0.054606	0.061851	4.41335	4.213632	2.47403	3.888327	3.523627	0.02785	3.702593	132.9488
LOC101907450	1	0.060723	0.039186	0.018945	0.031174	0	0.136194	0.073734	0.201775	0	0	0.030006	0.082341	2.744154
LOC101907463	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907464	1	0.032964	0.004964	0.014399	0.007898	0.017891	0.023002	0	0	0.056805	0.007306	0.015623	0.017423	1.115186
LOC101907472	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907481	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907482	1	0.022176	0.008348	0	0.002952	0	0	0	0	0	0	0.006695	0	0
LOC101907483	0.244255	0.021171	0.014345	0.050861	0.114123	0.155119	0	0	0	0	0	0.071124	0	0
LOC101907485	1	0.004628	0.003484	0	0	0	0.02422	0.031143	0.009968	0.011963	0.058983	0.001622	0.027255	16.7984
LOC101907487	2.74E-08	0.183383	0.567521	0.377395	0.321061	0.253605	0	0	0	0	0	0.340593	0	0
LOC101907491	1.39E-08	1.574935	2.058005	1.19822	1.386603	2.411342	0	0	0.005561	0.022245	0.053649	1.725821	0.016291	0.00944
LOC101907501	1	0.01207	0.018742	0.016475	0.00994	0.008188	0	0	0.027295	0.0039	0	0.013083	0.006239	0.476866
LOC101907503	1	0.042899	0.034316	0.076123	0.092071	0	0.004677	0.018991	0.043886	0.083165	0.150054	0.049082	0.060155	1.225597
LOC101907513	1	0	0	0.00389	0.002134	0	0	0	0.009207	0	0.026648	0.001205	0.007171	5.952322
LOC101907514	0.01336	0.299477	0.20848	0.295664	0.186742	0.300581	0	0	0	0	0.020459	0.258189	0.004092	0.015848
LOC101907515	0.594085	0.015641	0.017663	0.051239	0.042156	0.116722	1.186887	0.689652	1.202589	0.747937	0.130002	0.048684	0.791414	16.25601
LOC101907516	1	0.158299	0.145249	0.24161	0.12929	0.019526	0	0.005734	0.02557	0.055796	0.05532	0.138795	0.028484	0.205224
LOC101907517	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907518	5.98E-17	0	0	0	0	0	40.83401	23.7137	29.77942	86.30254	91.39794	0	54.40552	#DIV/0!

LOC101907523	4.56E-24	0.660998	0.430357	0.473841	0.735595	0.392093	0.007902	0.010613	0.011407	0.007806	0.01757	0.538577	0.011059	0.020535
LOC101907532	1	0.030848	0.022169	0.061246	0.006719	0	0.029352	0.089387	0.123212	0.086986	0.060603	0.024196	0.077908	3.219816
LOC101907539	1	0.05029	0.04868	0.031381	0.039342	0.025066	0.021485	0.052342	0.013263	0.026529	0.015355	0.038952	0.025795	0.662217
LOC101907540	1	0.109163	0.108096	0.065768	0.059907	0.131335	0.135082	0.100557	0.225145	0.194598	0.153754	0.094854	0.161827	1.706068
LOC101907544	1	0.368253	0.124761	0	0.029408	0.066621	0.835114	0.652098	1.49104	1.205697	2.142555	0.117809	1.265301	10.74031
LOC101907545	1	0.094679	0.106922	0	0.082484	0.280285	0	0	0	0	0.057232	0.112874	0.011446	0.101409
LOC101907549	1	0	0	0.114094	0	0	0.136699	0	0.135016	0	1.172382	0.022819	0.288819	12.6571
LOC101907552	1	0.156694	0.252793	0	0	0.850431	0	0	0	0	0	0.251984	0	0
LOC101907557	1	0.052755	0.357461	0	0.063195	0	2.760857	1.905739	0.818058	1.363629	5.875691	0.094682	2.544795	26.87719
LOC101907562	1	0.170219	0.552661	0	0.152929	0.192467	0.222704	0	0	0	0.03537	0.213655	0.051615	0.24158
LOC101907566	1.16E-12	2.732125	2.652104	1.343626	2.084129	2.650881	0	0.009371	0.005699	0	0.043987	2.292573	0.011812	0.005152
LOC101907567	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907570	0.00038	0.506323	0.329444	0.563879	0.297235	0.145589	0	0.01425	0.008666	0	0.011148	0.368494	0.006813	0.018488
LOC101907572	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907574	0.074214	10.27843	10.06092	8.370325	9.512599	15.36439	0.430526	0.298208	0.250132	0.600404	3.813018	10.71733	1.078458	0.100627
LOC101907575	1	0.327302	0.396025	0.731833	1.129543	0.422947	0	0	0	0	0.11659	0.60153	0.023318	0.038764
LOC101907577	1	0.101883	0.088169	0.111255	0.077605	0.025544	0.011591	0.062361	0.021466	0.151713	0.051546	0.080891	0.059735	0.738462
LOC101907579	1	0	0	0	0	0	0.197362	0	0	0	0.062691	0	0.052011	#DIV/0!
LOC101907581	1	0.026364	0.009097	0.009596	0.006141	0.007949	0	0	0	0	0	0.01183	0	0
LOC101907588	1	0.016452	0.010838	0.032936	0.042699	0.033483	0.028699	0.020393	0.003543	0	0.018232	0.027281	0.014173	0.519524
LOC101907603	1	0.579657	0.721593	2.137391	1.911932	0.965748	0.070547	0.240619	0.466847	0.320568	0.112045	1.263264	0.242125	0.191666
LOC101907606	1	0.191341	0.169542	0	0	0.239648	0	0	0	0	0	0.120106	0	0
LOC101907607	1	0.00116	0.00131	0	0	0	0.002023	0.003286	0.001998	0	0	0.000494	0.001462	2.959026
LOC101907613	1	0	0	0.034381	0	0	0	0	0	0	0.039254	0.006876	0.007851	1.141733
LOC101907615	1	0.285983	0.547304	0	0	0.139293	0.003489	0.005666	0.006891	0	0	0.194516	0.003209	0.016499
LOC101907619	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907622	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907623	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907627	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907639	1	0.039575	0.03812	0.022879	0.036253	0.113712	0.048732	0.002473	0	0	0.00387	0.050108	0.011015	0.219827
LOC101907641	1	0	0	0	0	0.017659	0	0	0	0	0	0.003532	0	0
LOC101907642	1	0.382491	0.413169	0.61743	0.544509	0.090257	0.261092	0.600747	1.83379	1.633456	0.313307	0.409571	0.928478	2.266952
LOC101907646	1	0.172996	0.024421	0	0	0	0	0	0	0.223582	0.161762	0.039483	0.077069	1.951931
LOC101907648	4.25E-05	0.045186	0.004639	0	0	0	1.268352	5.219868	13.50404	0.509661	0.471169	0.009965	4.194619	420.9367
LOC101907652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907653	1	0.080168	0.098659	0.334455	0.177291	0.078095	0.016136	0.03276	0.148751	0.340053	0.104221	0.153733	0.128384	0.835109
LOC101907654	1	0.003424	0.008163	0.014124	0.007747	0.002065	0	0.002425	0.00295	0.007867	0.001897	0.007105	0.003028	0.426168
LOC101907658	0.069029	0	0	0	0	0	28.91403	4.68752	6.224177	0.104623	0	0	7.986069	#DIV/0!
LOC101907661	9.76E-07	1.506516	0.985923	0.337155	0.777975	3.192544	0	0	0	0	0.008849	1.360023	0.00177	0.001301
LOC101907665	1	0.008629	0.002924	0	0.005169	0	0	0	0	0	0	0.003344	0	0
LOC101907668	1	0	0.003444	0	0	0	0	0	0	0	0	0.000689	0	0
LOC101907670	1	0.132167	0.089554	0.028865	0.126657	0.143463	0	0.028085	0.273262	0.341627	0.263646	0.104141	0.181324	1.741137
LOC101907681	1	0.014053	0.004959	0.003836	0.008417	0.002383	0	0	0	0.004541	0	0.00673	0.000908	0.134938
LOC101907682	0.106719	2.514627	0.043574	0.091491	0.073953	0.07479	0.005769	0.002343	0.005698	0.028496	0.001833	0.559687	0.008828	0.015773
LOC101907683	1	0.024187	0.097875	0.052823	0.098991	0.158617	0.042192	0.693836	0	0	0.040206	0.086498	0.155247	1.794795
LOC101907688	1	0.155812	0.180793	0.12527	0.111782	0.078989	0.042563	0.006367	0.017701	0.011064	0.066887	0.130529	0.028916	0.221532

LOC101907689	1	0	0	0.011911	0	0	0	0	0	0.056391	0.058931	0.002382	0.023064	9.681696
LOC101907693	1	0.034188	0.02574	0.099555	0.218422	0.123702	0	0.024216	0.029453	0	0	0.100321	0.010734	0.106994
LOC101907697	1	0.019543	0.04414	0.213406	0.24581	0.212134	0	0.041528	0	0.050515	0.081218	0.147007	0.034652	0.235718
LOC101907704	1	0.088173	0.016596	0	0	0	0.230719	0.624545	0.417777	0	0	0.020954	0.254608	12.15095
LOC101907707	1	0.002464	0.012523	0.008073	0.002952	0	0.03224	0.002618	0.006369	0.082804	0.004096	0.005202	0.025625	4.92579
LOC101907711	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907713	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907726	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907729	1	0.468855	0.732977	0.438661	0.266727	0.411128	0.021023	0.014024	0.115685	0.118669	0.170761	0.46367	0.088032	0.18986
LOC101907740	1.04E-08	0	0	0	0	0	3.575812	0.922171	1.598847	1.527479	2.640047	0	2.052871	#DIV/0!
LOC101907741	1	0.001949	0	0	0	0	0	0	0	0	0	0.00039	0	0
LOC101907744	1	0.051973	0.012577	0.048646	0.017788	0.050371	0	0	0	0	0	0.036271	0	0
LOC101907747	1	0.124552	0.685331	0	0	0.309228	0.013869	0	0	0	0	0.223822	0.002774	0.012392
LOC101907748	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907749	1	0.132359	0.280428	0.05372	0.074365	0.139857	0.00613	0.002489	0.018163	0.048442	0.021418	0.136146	0.019329	0.141969
LOC101907753	1	0.006425	0.001528	0.005908	0.003646	0.003671	0.003539	0.002156	0.00437	0.005244	0.006746	0.004235	0.004411	1.041453
LOC101907758	1	0	0	0.034952	0	0	0	0	0	0	0	0.00699	0	0
LOC101907769	1	0.194957	0	0	0	0	1.360367	2.071372	0.671808	0.335953	0.756196	0.038991	1.039139	26.65043
LOC101907771	1	0.011747	0.005306	0.061571	0.084429	0	0	0	0	0	0	0.032611	0	0
LOC101907782	2.46E-08	1.926092	1.348591	0.317106	0.223626	1.648446	0	0	0	0	0	1.092772	0	0
LOC101907794	1	0.006395	0.001806	0	0.001915	0	0	0	0.004132	0	0.005315	0.002023	0.001889	0.933922
LOC101907797	0.025923	0.018059	0	0.039439	0.021632	0.19602	1.417594	3.607108	1.866851	2.240547	1.170753	0.05503	2.06057	37.44454
LOC101907799	1	0.085208	0.022641	0.043786	0.060041	0	0	0	0	0	0	0.042335	0	0
LOC101907800	1	0.00338	0.026717	0.029524	0.024291	0.036685	0	0	0	0	0.005618	0.024119	0.001124	0.046586
LOC101907802	1	0.130763	0.129213	0.035698	0.05874	0.354849	0	0.347332	0.380194	1.182998	0.70646	0.141853	0.523397	3.689725
LOC101907803	3.31E-05	0.174599	0.595449	0.537215	0.573144	0.349202	0.004039	0.00492	0	0.043884	0.005773	0.445922	0.011723	0.026289
LOC101907807	1	0.041968	0.023698	0.045829	0	0	0	0	0	0	0.069766	0.022299	0.013953	0.625729
LOC101907810	1	0.036898	0	0	0	0	0	0.117608	0.09536	0	0	0.00738	0.042594	5.771868
LOC101907813	0.410441	0.754836	0.469234	0.151242	0.14932	0.84566	0	0	0.017898	0.0358	0.034535	0.474058	0.017647	0.037225
LOC101907820	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907822	1	0.010738	0	0	0	0	0	0	0	0.055512	0.01785	0.002148	0.014672	6.831972
LOC101907823	1	0.007126	0.006707	0	0	0.004835	0.003108	0.001262	0.00307	0	0	0.003733	0.001488	0.398522
LOC101907835	1	0.136376	0	0	3.267272	8.353207	29.56752	22.68653	14.24926	13.19381	21.47191	2.351371	20.23381	8.605111
LOC101907838	1	0.113824	0.051417	0.049717	0.190888	0	0	0	0	0	0.037843	0.081169	0.007569	0.093244
LOC101907843	1	0.362183	0.353081	0.202819	0.222491	0.369617	0	0.019734	0.064003	0.144027	0.061751	0.302038	0.057903	0.191707
LOC101907852	1	0.032643	0.049153	0	0.039103	0	0	0	0	0	0	0.02418	0	0
LOC101907853	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907855	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907857	1	0.167637	0.050483	1.232576	0.796549	0.197128	0	0.071244	0.072208	0.028887	0	0.488875	0.034468	0.070504
LOC101907866	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907876	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907877	1	0.003485	0.004686	0.002719	0.002088	0.001576	0.000869	0.002292	0.004075	0.026599	0.009657	0.002911	0.008698	2.988298
LOC101907883	1	0.615308	0.236888	0.610822	0.477423	0.037949	1.390502	1.827527	1.770937	4.084591	1.243689	0.395678	2.063449	5.214971
LOC101907886	1	0.325237	0.224586	0.185494	0.176188	0.17989	0.021682	0.04402	0.026769	0.053546	0.092978	0.218279	0.047799	0.218983
LOC101907887	1	0.088665	0.10013	0.158434	0.212423	0.131241	0	0	0	0	0	0.138178	0	0
LOC101907893	1	0.332437	0.133214	0.718222	0.235509	0.106703	0	0	0	0	0.077248	0.305217	0.01545	0.050618

LOC101907894	1	0.013552	0.011416	0.010432	0.005123	0.004823	0.001744	0.004839	0.012201	0.003158	0.003509	0.009069	0.00509	0.561267
LOC101907905	1	0	0.056383	0.445241	0.618008	0	0	0	0	0	0	0.223926	0	0
LOC101907906	1	0.003337	0.006909	0	0.002665	0	0.066943	0.001182	0	0	0.000925	0.002582	0.01381	5.348244
LOC101907911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907913	1	0	0	0.146838	0.053693	0	0	0	0	0	0	0.040106	0	0
LOC101907914	1	0	0	0.083311	0.030464	0	0	0	0	0.098602	0.116256	0.022755	0.042972	1.888457
LOC101907916	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907917	1	0.00823	0	0	0.049293	0	0	0	0	0.212731	0.519879	0.011505	0.146522	12.73586
LOC101907920	1	0.044844	0.054915	0.014509	0.005527	0.051331	0.022213	0.016078	0.008823	0.01908	0.017946	0.034225	0.016828	0.49169
LOC101907926	1	0.004042	0.004565	0.01177	0.011298	0	0	0	0	0.013931	0.00224	0.006335	0.003234	0.510511
LOC101907929	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907931	1	0.00571	0.006449	0.003563	0.001954	0.004428	0	0	0.004217	0	0.001356	0.004421	0.001115	0.25211
LOC101907940	1	0	0	0	0.098782	0	0	0	0.21312	0.426302	0.342701	0.019756	0.196425	9.94238
LOC101907941	1	0.547479	0.518925	0.811423	0.623311	0.162536	0.499563	0.202843	0.389408	1.40304	0.721852	0.532735	0.643341	1.20762
LOC101907943	2.85E-10	1.039265	0.732341	0.75044	1.174309	1.097007	0.008815	0.014317	0	0.017415	0.0224	0.958673	0.012589	0.013132
LOC101907944	1	0.106582	0.020248	0.135965	0.087105	0.03514	0.013032	0	0.001287	0.030897	0.004968	0.077008	0.010037	0.130334
LOC101907950	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907957	1	0.014776	0.072311	0.026893	0.017701	0.013366	0.038665	0.010466	0.006365	0	0.02047	0.029009	0.015193	0.523733
LOC101907959	1	0.004537	0.005654	0.004442	0.002062	0	0.002456	0.00133	0.001213	0.015367	0.0013	0.003339	0.004333	1.297844
LOC101907965	1	0.242856	0.09142	0.176796	0.290916	0.219677	0	12.47138	5.021185	0	0	0.204333	3.498513	17.12162
LOC101907967	1	0	0	0	0.010064	0	0	0	0	0	0.034914	0.002013	0.006983	3.469284
LOC101907970	2.55E-07	2.102817	2.410978	2.453991	3.51884	1.306798	0	0	0	0	0	2.358685	0	0
LOC101907975	1	0.038232	0.063493	0	0.02694	0.048823	0	0	0	0	0	0.035498	0	0
LOC101907978	1	0.100533	0.056766	0.025158	0.015054	0.008525	0.00548	0	0.005413	0	0.003482	0.041207	0.002875	0.06977
LOC101907983	1	0	0	0	0	0	0	0	0	0.179299	0.201792	0	0.076218	#DIV/0!
LOC101907985	1	0.215686	0.018268	0.158979	0.187318	0.014633	0.225751	0.103123	0.069679	0.153315	0.013445	0.118977	0.113063	0.950291
LOC101907986	1	0	0.001472	0.005695	0	0	0	0	0	0	0	0.001433	0	0
LOC101907989	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101907995	1	0.009729	0.017265	0.057672	0.041622	0.018858	0.02182	0.005907	0.007184	0.02874	0.006931	0.029029	0.014116	0.486285
LOC101907998	1	0.238884	0.178023	0.100635	0.116206	0.036197	0.571138	0.363319	0.282053	0.376125	0.177387	0.133989	0.354004	2.642042
LOC101908005	1	1.33872	2.059586	0.974571	0.999372	2.843096	0	0	0.451284	0.3009	0.258017	1.643069	0.20204	0.122965
LOC101908010	1	0	0	0.439073	0.140484	0	1.841228	0.925619	0.995876	10.82631	7.603108	0.115911	4.438428	38.29158
LOC101908014	0.000185	1.031456	1.099788	0.857612	0.940793	2.315951	0	0.022252	0.013532	0.108269	0.026111	1.24912	0.034033	0.027245
LOC101908015	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101908024	1	0.019482	0	0	0.023338	0	0	0.041399	0	0	0	0.008564	0.00828	0.966812
LOC101908034	1	0.005281	0.017893	0	0	0.014332	0	0	0.075073	0	0	0.007501	0.015015	2.001586
LOC101908035	1	0.067804	0.085407	0.113909	0.323847	0	0	0.001847	0.002247	0.013482	0.00578	0.118193	0.004671	0.039521
LOC101908039	1	0	0	0.163739	0.033679	0	0	0	0	0	0	0.039484	0	0
LOC101908046	1	0.015948	0.005628	0.002177	0.003582	0.021639	0.005216	0	0	0	0	0.009795	0.001043	0.106512
LOC101908048	1	0.047819	0	0	0	0	0.375378	0.228629	0.247171	0	0	0.009564	0.170235	17.80001
LOC101908051	1	0.038878	0.052489	0.022983	0.030114	0.049975	0.032126	0.022983	0.084614	0.116361	0.045192	0.038888	0.060255	1.549456
LOC101908056	1	0.010353	0.017303	0.007235	0	0	0	0.00264	0	0	0.003442	0.006978	0.001216	0.174308
LOC101908069	0.246075	0	0	0.06774	0.07431	0.042085	1.379744	0.527279	0.561134	0.561216	2.113994	0.036827	1.028674	27.93246
LOC101908075	1	0.133403	0.110261	0.161508	0.095534	0.053777	0.035413	0.026704	0.059961	0.09745	0.03696	0.110897	0.051298	0.462571
LOC101908086	1	0.140675	0.006983	0.027009	0	0.01678	0.00809	0.072268	0.023971	0	0.00514	0.038289	0.021894	0.571798
LOC101908094	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC101908095	4.89E-06	0.959704	0.56197	0.980054	0.186282	0.458168	0	0	0	0	0	0.629236	0	0
LOC101908096	1	0	0.022479	0	0	0	0	0	0	0	0	0.004496	0	0
LOC101908098	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101908099	1	0	0	0	0	0	0.182944	0.389985	0.090345	0	0	0	0.132655	#DIV/0!
LOC101908104	0.003144	0.806371	0.438245	0.258659	0.449769	0.745364	0.026375	0.026773	0.02605	0.039081	0	0.539682	0.023656	0.043833
LOC101908108	1	0.011233	0	0	0	0	0	0	0	0	0	0.002247	0	0
LOC101908111	9.13E-13	5.638338	10.63688	4.768971	5.846422	5.770889	0.042641	0	0.021058	0.126365	0	6.532301	0.038013	0.005819
LOC101908113	1	0.095626	0.842327	0.793602	0.412378	0.415195	0	0	0	0.09887	0.158962	0.511825	0.051566	0.10075
LOC101908123	1	0.043846	0.036011	0.032644	0.017905	0.043266	0.036505	0.148225	0.038631	0.046364	0	0.034735	0.053945	1.553055
LOC101908131	1	0.012434	0.002675	0.002586	0.000709	0	0.037183	0.023905	0.036725	0.061217	0.028543	0.003681	0.037515	10.19209
LOC101908134	7.84E-18	2.091015	2.927746	2.385448	1.130221	2.018307	0	0	0	0	0	2.110547	0	0
LOC101908144	1	0.004554	0.015428	0.034257	0.018184	0	0	0.003226	0.001308	0.015695	0.009252	0.014485	0.005896	0.40706
LOC101908149	1	0.118294	0.062866	0.030394	0	0.037766	0	0	0	0	0	0.049864	0	0
LOC101908154	1	0.017914	0	0.016473	0.013553	0	0.004934	0	0.004874	0	0	0.009588	0.001962	0.204581
LOC101908155	1	0.01745	0.010749	0.003465	0.003801	0	0	0	0	0.073808	0.007911	0.007093	0.016344	2.30429
LOC101908166	1	0.027426	0.024634	0.019473	0.011635	0.009506	0.032914	0.021062	0.024999	0.044449	0.029181	0.018535	0.030521	1.64668
LOC101908167	1	0.005712	0.012901	0.012475	0.017106	0	0	0	0	0	0.009495	0.009639	0.001899	0.197022
LOC101908174	1	0.00317	0.002387	2.111765	1.683641	0.005735	0	0	0	0.092873	0.047431	0.76134	0.028061	0.036857
LOC101908181	0.00556	0.025727	0.029054	0.04214	0.046228	0	0.471237	0.792702	1.13034	0.565252	0.780502	0.02863	0.748006	26.12679
LOC101908182	1	0.055246	0.039994	0.136124	0.057695	0.08457	0.007413	0.027091	0.040271	0	0.009419	0.074726	0.016839	0.225345
LOC101908185	1	0.071098	0.077747	0.024603	0.019193	0.057745	0.085159	0.135652	0.193454	0.177304	0.26634	0.050077	0.171582	3.426347
LOC101908195	0.002052	0.074649	0.042658	0.023571	0.050636	0.090303	0	0	0	0	0	0.056363	0	0
LOC101908200	1	0.063235	0	0	0	0	0	0	0	0	0	0.012647	0	0
LOC101908204	1	0.070839	0.062399	0.040225	0.045823	0.03268	0.048194	0.07376	0.087878	0.010986	0.002355	0.050393	0.044635	0.885729
LOC101908205	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101908206	0.102376	0.144529	0.139477	0.46486	0.311635	0.342287	0	0	0	0.040754	0.004368	0.280557	0.009025	0.032166
LOC101908208	1	0.001507	0.005106	0	0	0	0	0	0	0	0	0.001323	0	0
LOC101908214	1	0.055443	0.029219	0.095522	0.087815	0.028419	0	0	0.003184	0.012739	0.017409	0.059283	0.006666	0.112448
LOC101908221	5.09E-05	0.871625	0.974422	0.24274	0.332855	0.49211	0.015307	0.012431	0	0	0	0.58275	0.005548	0.00952
LOC101908225	1	0.001839	0.002596	0.002008	0	0	0.009623	0.001954	0	0.009506	0.013755	0.001288	0.006967	5.407545
LOC101908227	0.443057	0	0.237418	0.153047	1.007351	0	4.767629	1.786944	1.992236	21.37437	43.45184	0.279563	14.6746	52.49117
LOC101908235	1	0	0	0	0.001937	0	0	0	0	0	0	0.000387	0	0
LOC101908237	1	0.293133	0.309858	0.063218	0.076675	0.317523	0.377648	0.251236	0.199143	0.018969	0.060995	0.212081	0.181598	0.856267
LOC101908238	0.564191	0.037811	0	0.016516	0.036235	0.010261	0.366076	0.21292	0.097721	0.860072	0.345703	0.020165	0.376498	18.67127
LOC101908286	1	0	0	0	0	0	0	0.032578	0	0	0	0	0.006516	#DIV/0!
LOC101908339	1	0.051881	0.02604	0.107011	0.044885	0.023465	0	0.018374	0.029796	0.0149	0.009583	0.050656	0.014531	0.286848
LOC101908350	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101908359	1	0.254293	0.260648	0.23419	0.236108	0.119168	0	0.00217	0.002639	0.058075	0.049232	0.220881	0.022423	0.101517
LOC101908406	1	0	0.058188	0.281322	0	0.349555	0.269647	0	0	0.665915	0.085652	0.137813	0.204243	1.48203
LOC101908421	1	0.006508	0.0049	0	0	0	0.011353	0	0	0.011215	0.014425	0.002282	0.007399	3.242738
LOC101908531	1	0.009689	0.017976	0.031741	0.012436	0.018781	0	0	0	0	0.003451	0.018124	0.00069	0.038085
LOC101908535	1	0	0.057608	2.822336	2.922944	0.115358	0.311456	0.090331	0.15381	2.812939	0.932787	1.183649	0.860265	0.72679
LOC101908548	1	0.561821	0.120851	2.103421	1.82672	0.0726	0	0.511646	0.207428	0.138305	0.355784	0.937083	0.242633	0.258924
LOC101908561	1	0	0.027936	0	0	0	0.349544	0.205009	0.581792	0	0.020561	0.005587	0.231381	41.41207
LOC101908577	1	0.178369	0.124995	0.110262	0.10268	0.094097	0.043552	0.06543	0.058788	0.159181	0.036891	0.12208	0.072768	0.596069
LOC101908581	0.040394	0.035668	0.325903	0.43906	0.415613	0.026398	0	0	0	0	0	0.248529	0	0

LOC101908683	2.49E-06	1.675199	1.056655	0.105333	0.412127	0.514799	0	0	0	0	0	0.752823	0	0
LOC101908759	0.000493	0.630818	0.853453	0.491055	0.665872	1.694883	0.016343	0.013272	0.024213	0.08072	0.051912	0.867216	0.037292	0.043002
LOC101908760	1	0.179381	0.186498	0.335795	0.293327	0.123627	0	0.042353	0.036794	0.235513	0.028399	0.223726	0.068612	0.306678
LOC101908792	1	0	0	0	0	0	0	0.235448	0	0.286402	0.184189	0	0.141208	#DIV/0!
LOC101908812	1	0.033173	0.060516	0	0	0.041548	0	0	0	0	0	0.027047	0	0
LOC101908884	1	0.031161	0.020782	0.101277	0.054081	0.029296	0.002568	0.009906	0.058973	0.026637	0.044458	0.047319	0.028508	0.602471
LOC101909003	0.003214	0.580175	1.064844	0.980282	0.671779	0.414778	0.039432	0.059469	0.066765	0.089033	0.13241	0.742372	0.077422	0.10429
LOC101909028	1	0.300184	0.397095	0.285499	0.303041	0.193796	0	0	0	0.181466	0.0664	0.295923	0.049573	0.16752
LOC101909082	0.973586	0.011966	0	0	0.071671	0.032472	0.062623	0.317843	0.525739	0.835119	1.780311	0.023222	0.704327	30.33036
LOC101909083	1	0.695379	0.440532	0.024694	0.006772	0.797769	0	0	0	0	0	0.393029	0	0
LOC101909140	7.94E-07	0.426953	0.344672	0.241383	0.096778	0.277092	0	0.002384	0.01015	0.008701	0.006528	0.277376	0.005553	0.020019
LOC101909144	1	0.09336	0.017572	0	0	0	4.07152	5.191071	7.600418	0	0	0.022186	3.372602	152.0124
LOC101909173	1	1.840657	2.04764	2.497452	2.089729	1.640129	0.611033	0.671343	1.668526	1.384723	1.021831	2.023121	1.071491	0.529623
LOC101909196	1	0.739752	0.590102	0.879119	0.673251	0.935707	0	0.077467	0.15703	0.157053	0.101003	0.763586	0.098511	0.129011
LOC101909274	1	0.004723	0.006045	0.001375	0	0.001709	0.009887	0.014719	0.03255	0	0.000523	0.00277	0.011536	4.164003
LOC101909375	1	0	0	0.072553	0.02653	0.0601	0	0	0	0.028623	0.018408	0.031837	0.009406	0.295454
LOC101909384	3.01E-06	1.033908	0.698151	1.69933	1.787543	1.07021	0	0	0	0	0	1.257828	0	0
LOC101909432	1	0.111416	0.177793	0.253908	0.156676	0.085446	0	0.005147	0.01252	0.012521	0.153	0.157048	0.036638	0.233289
LOC101909437	1	0.025552	0	0.055805	0	0	0	0	0	0	0	0.016271	0	0
LOC101909455	1	0.013278	0.013923	0.029688	0.028781	0.005147	0.006618	0.002687	0.000817	0.013074	0.006832	0.018163	0.006006	0.330641
LOC101909551	1	0.621485	0.434692	0.446595	0.336214	0.446108	0.041967	0.01704	0.383414	0.663299	0.413246	0.457019	0.303793	0.664728
LOC101909685	1	0.093524	0.079213	0.012766	0.014004	0	0	0	0.015107	0	0	0.039902	0.003021	0.07572
LOC101909690	1	0.160666	0.108093	0	0	0.473102	0	0	0	0	0	0.148372	0	0
LOC101909718	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101909723	1	0	0.046768	0	0	0	0	0	0	0	0	0.009354	0	0
LOC101909736	1	0	0	0.024642	0.054064	0.168404	0	0	0	0	0	0.049422	0	0
LOC101909754	1	0.025504	0.033602	0.030944	0.023762	0.003845	0.148301	0.093335	0.040281	0.01465	0.028264	0.023531	0.064966	2.760818
LOC101909777	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101909778	1	0.432704	1.159113	0.714337	0.656079	1.055176	0.229568	0.277833	0.058336	0.079261	0.018407	0.803482	0.132681	0.165133
LOC101909815	1	0.980489	0.965221	1.09885	1.591786	1.662953	0.675161	0.527726	0.35843	0.100042	0.064338	1.25986	0.345139	0.273951
LOC101909872	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101909994	1	0	0.088649	0	0.023508	0	0	0	0	0	0	0.022432	0	0
LOC101910001	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101910021	1	0.058408	0.121585	0.138033	0.131057	0.063873	0	0.006484	0	0.018027	0.016665	0.102591	0.008235	0.080272
LOC101910045	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC101910047	1	0.006748	0	0	0	0	0.353167	0.329822	0.697637	0.383756	0.157054	0.00135	0.384287	284.7235
LOC101910072	1	0.002958	0.018373	0.00323	0.001772	0	0	0	0	0	0	0.005267	0	0
LOC101910094	1	0.143116	0.157004	0.366141	0.2743	0.055481	0.492181	0.84283	0.739749	1.014661	0.536988	0.199208	0.725282	3.640821
LOC101910153	0.388164	0.107669	0.041452	0.085507	0.0469	0.185931	0	0	0.006324	0	0	0.093492	0.001265	0.013529
LOC101910192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968411	1	0.01998	0.015042	0.244355	0.177108	0.021687	0.111531	0.07359	0.120485	0.172146	0.035427	0.095634	0.102636	1.073209
LOC104968422	1	0.014847	0.016766	0.048636	0.044461	0	0	0	0	0	0	0.024942	0	0
LOC104968428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968434	0.030871	0.088869	0.011151	0.064695	0.124198	0.36174	1.007669	0.545541	0.586949	11.66411	4.998169	0.13013	3.760489	28.89784
LOC104968435	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968437	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC104968438	1	0	0	0	0.109035	0	0	0	0	0	0	0.021807	0	0
LOC104968446	1	0	0	0	0	0	0	1.027346	0.57669	0	0	0	0.320807	#DIV/0!
LOC104968456	1	0.03825	0	0	0	0	0	0.24384	0.889701	0.59322	0	0.00765	0.345352	45.14375
LOC104968475	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968476	1	10.05698	7.782616	9.063386	7.8998	7.401257	1.799577	2.732631	5.405298	4.139795	3.15568	8.440808	3.446596	0.408325
LOC104968477	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968478	1	0	0	0	0	0	0.406143	0.082455	0.100285	8.525496	0	0	1.822876	#DIV/0!
LOC104968479	1	0	0.141396	0.191411	0.134985	0	0	0	0	0	0	0.093558	0	0
LOC104968480	0.03551	0.011721	0	0.017065	0.01404	0	0.102233	0.249064	0.403895	0.282768	0.435146	0.008565	0.294621	34.39681
LOC104968484	1	0.024047	0	0	0.028806	0	0	0	0	0	0	0.010571	0	0
LOC104968488	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968493	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968497	1	0.002698	0.006095	0	0	0	0.042365	0	0	0	0	0.001759	0.008473	4.817998
LOC104968500	1	0	0	0	0.021874	0	0	0	0	0	0.06071	0.004375	0.012142	2.775427
LOC104968501	1	0	0.014837	0	0	0	0	0.041877	0.033955	0.118858	0.02184	0.002967	0.043306	14.59398
LOC104968502	1	0	0	0	0.037433	0	0.040885	0	0.020191	0.121161	0.05844	0.007487	0.048135	6.429449
LOC104968507	1	0.021932	0	0	0	0.12895	0.210423	0.170881	0.529026	0.018897	0	0.030176	0.185845	6.158623
LOC104968510	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968514	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968516	1	0	0	0.379784	0.331403	0	0	0	0	0.040863	0.01314	0.142237	0.010801	0.075933
LOC104968518	1	0.162095	0.138945	0.439312	0.345456	0.136025	0.194188	0.125881	0.529966	0.874991	0.660113	0.244367	0.477028	1.952099
LOC104968522	1	0.04219	0.031764	0	0	0.057245	0.008178	0	0.090865	0	0	0.02624	0.019809	0.754904
LOC104968526	1	0.002788	0.003285	0.002382	0.001742	0	0	0.002833	0.002819	0.015038	0.002821	0.00204	0.004702	2.305597
LOC104968563	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968569	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968576	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968608	1	0.112798	0	0	0	0	0	0	0	0	0	0.02256	0	0
LOC104968627	1	0.010152	0.045858	0.066514	0	0	0	0	0	0.209925	0.270012	0.024505	0.095987	3.9171
LOC104968634	1	0	0	0	0	0.143766	0	0	0	0	0	0.028753	0	0
LOC104968656	1	0.274316	0.199149	0.556304	0.762826	3.270063	3.537699	1.290726	5.291845	1.620705	3.859761	1.012532	3.120147	3.08153
LOC104968671	1	0.230087	0.201717	0.231415	0.246608	0.624381	0	0.028949	0.066507	0.109556	0.085555	0.306842	0.058114	0.189392
LOC104968693	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968724	1.07E-05	0.618725	0.443985	0.464499	0.301099	0.961936	0	0	0	0	0	0.558049	0	0
LOC104968751	1	0.298241	0.431695	0.399278	0.123327	0.197947	0.026577	0.087312	0.070397	0.023867	0.115886	0.290098	0.064808	0.2234
LOC104968752	1	0	0	0.102928	0.056455	0	0	0	0	0.06091	0	0.031877	0.012182	0.38216
LOC104968753	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968768	1	0.058326	0.065868	0.127381	0.069868	0	0.763094	0	0.150739	0	0.630219	0.064288	0.308811	4.803513
LOC104968790	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968805	1	0	0.224438	0	0.357103	0	0	0	0	0	0	0.116308	0	0
LOC104968807	1	0	0.307585	0.216304	0.138416	1.097469	0.021597	0	0.010665	0.085335	0.02744	0.351955	0.029008	0.082418
LOC104968820	1	2.076944	2.595027	0.87824	0.677572	0.191869	0.231262	0.488291	1.027866	0.662499	0.521559	1.28393	0.586296	0.456641
LOC104968831	1	0.032691	0.018459	0.021419	0.007832	0.008871	0.068433	0.055573	0.076039	0	0.021737	0.017854	0.044356	2.484347
LOC104968837	1	0.116772	0.263743	0	0.046627	0	0	0	0	0	0	0.085429	0	0
LOC104968852	1	0.003872	0.002915	0	0	0	0	0	0.003336	0	0.006437	0.001357	0.001954	1.439818
LOC104968864	1	0.011924	0	0	0	0	0	0	0	0	0	0.002385	0	0
LOC104968867	1	0.110878	0.019565	0	0	0	0	0	0	0	0	0.026089	0	0

LOC104968873	1	0.162803	0.105355	0	0	0.134027	0.449933	0.326513	1.711386	0	0	0.080437	0.497566	6.185789
LOC104968875	1	0.084555	0	0.05682	0.038957	0	0.068077	0	0	0	0.005406	0.036066	0.014697	0.407491
LOC104968890	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968891	1	0.108359	0.043704	0	0	0.11552	0.020253	0.016447	0.020003	0	0	0.053516	0.011341	0.211909
LOC104968898	1	0.009269	0.01239	0.011567	0.008837	0.0077	0.014849	0.008039	0.011244	0.017602	0.016351	0.009952	0.013617	1.368195
LOC104968902	1	0.005058	0.001428	0	0.010604	0.008579	0	0.001344	0	0.045763	0.008409	0.005134	0.011103	2.16266
LOC104968905	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968907	1	0	0.002997	0.01159	0.012714	0	0	0	0	0	0	0.00546	0	0
LOC104968908	1	0.006972	0	0.005076	0.002784	0	0	0	0	0	0	0.002966	0	0
LOC104968931	1	0.02246	0.011529	0.042363	0.02079	0.013852	0.026714	0.049896	0.01847	0.036945	0.050913	0.022199	0.036588	1.648157
LOC104968938	1	0.18374	0.029643	0.028663	0.047165	0.07123	0.160262	0	0	0	0	0.072088	0.032052	0.444629
LOC104968939	1	0.013892	0.005883	0	0.00208	0	0	0	0	0	0	0.004371	0	0
LOC104968940	1	0.005099	0.007198	0.011137	0	0	0	0	0	0	0	0.004687	0	0
LOC104968946	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968954	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968959	1	0.017303	0.005583	0.048585	0.038493	0.013415	0	0	0	0	0.016436	0.024676	0.003287	0.133215
LOC104968964	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968970	1	0.236329	0.299837	0.254881	0.293582	0.760083	0.030538	0.037199	0.248836	0	0	0.368942	0.063315	0.171611
LOC104968971	1	0.062188	0.035115	0	0	0	0	0	0	0	0	0.019461	0	0
LOC104968976	1	0.005768	0	0	0.027638	0	0	0	0	0	0	0.006681	0	0
LOC104968982	1	0	0	0.20062	0.089865	0	0	0	0	0.031659	0.002545	0.058097	0.006841	0.117748
LOC104968990	1	0.020072	0.022668	0.021918	0	0	0.035015	0.028435	0	0	0	0.012932	0.01269	0.981309
LOC104968993	1	0.019186	0.00888	0.004122	0.006028	0.000569	0.000549	0.00802	0.002981	0.009214	0.00244	0.007757	0.004641	0.598258
LOC104968994	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104968998	1	0.067396	0.05074	0.049063	0	0	0	0.095475	0.987019	0	0	0.03344	0.216499	6.474298
LOC104969002	1	0	0.03704	0.007163	0.007858	0	0.017165	0.00697	0.02543	0.016956	0.032714	0.010412	0.019847	1.906106
LOC104969005	1	0	0	0	0	0	0	0	0	0	0.004469	0	0.000894	#DIV/0!
LOC104969022	1	0.023799	0.009773	0.014175	0.007775	0	0	0	0	0	0.003597	0.011105	0.000719	0.064776
LOC104969024	1	0	0.007707	0	0	0	0	0	0	0	0	0.001541	0	0
LOC104969026	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969027	1.78E-05	0.080489	0.117156	0.134769	0.113559	0.050965	0	0	0	0	0.001487	0.099388	0.000297	0.002992
LOC104969028	0.054567	0.122424	0.05643	0.065478	0.098765	0.08136	0	0	0	0	0	0.084892	0	0
LOC104969030	1	0	0.027174	0.13138	0.374718	0	0	0	0	0	0	0.106654	0	0
LOC104969035	1	0	0.001957	0.037838	0	0.08933	0	0	0	0	0.00288	0.025825	0.000576	0.022305
LOC104969036	1	0.040173	0.045368	0	0	0.327049	0.210239	0.128048	0.103825	0	0	0.082518	0.088422	1.071553
LOC104969038	1	0.008033	0.004187	0.01282	0.010732	0	0	0.000656	0.011977	0.207629	0.05752	0.007154	0.055556	7.765422
LOC104969050	4.85E-08	1.039667	2.224614	2.084695	2.104816	2.656325	0	0.051678	0.031426	0	0.010107	2.022023	0.018642	0.00922
LOC104969067	1	0.076243	0.155691	0.30109	0.263985	0.005668	0.016397	0.015535	0.010797	0.08099	0.032988	0.160536	0.031341	0.195231
LOC104969069	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969075	1	0	0.003983	0.007703	0.00845	0	0	0	0	0	0	0.004027	0	0
LOC104969080	0.017056	0.303052	0.342238	0.212522	0.119898	0.294247	0	0	0.021557	0	0.009244	0.254391	0.00616	0.024215
LOC104969097	1	1.13117	1.326194	0	0	2.671276	0.090378	0	0	0	0	1.025728	0.018076	0.017622
LOC104969103	1	0.209675	0.219874	0.098126	0.071762	0.650273	0	0	0	0	0.149378	0.249942	0.029876	0.11953
LOC104969105	1	0.00128	0.001446	0.005593	0.024542	0.00695	0.013402	0.002721	0	0.026479	0.021286	0.007962	0.012778	1.604763
LOC104969115	1	0	0	0	0	0	0	0	0	0	0.033284	0	0.006657	#DIV/0!
LOC104969118	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC104969122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969128	1	0.062742	0.106283	0.022838	0	0.056754	0	0	0.081077	0.70277	0.121682	0.049723	0.181106	3.642261
LOC104969133	1	0.003626	0.003071	0.001697	0.002637	0.002811	0	0.001101	0.001004	0.006025	0.002368	0.002769	0.0021	0.758382
LOC104969136	1	0.012964	0.005385	0.001953	0.004105	0.005257	0.00078	0.00285	0.004621	0.007703	0.000248	0.005933	0.00324	0.546187
LOC104969140	1	0.284768	0.193579	0.066419	0.066237	0.382632	0.057875	0.017625	0	0	0.087322	0.198727	0.032564	0.163865
LOC104969150	1	0	0	0	0	0	0.466365	0.094682	0.057578	0.230345	0.074069	0	0.184608	#DIV/0!
LOC104969151	1	0	0.001494	0	0	0	0.003462	0	0.003419	0.006839	0	0.000299	0.002744	9.183292
LOC104969159	1	0.372878	0.404107	0.580939	0.452359	0.29862	0.020715	0.003365	0	0.683476	0.425076	0.421781	0.226526	0.537072
LOC104969161	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969170	5.25E-23	0.118176	0.020532	0.049633	0.005445	0	19.33856	8.335182	14.63662	18.11633	16.53184	0.038757	15.3917	397.1327
LOC104969171	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969173	1	0.009557	0.012952	0.01148	0.011449	0.014265	0.010003	0.002031	0.01482	0.032116	0.004766	0.011941	0.012747	1.06756
LOC104969177	1	0.015183	0.008573	0	0	0	0	0	0	0	0	0.004751	0	0
LOC104969184	1	0	0.012367	0	0	0	0	0	0	0	0	0.002473	0	0
LOC104969190	1	0.050216	0.051039	0.038385	0.028573	0.064728	0	0.010671	0	0.3245	0.156518	0.046588	0.098338	2.110786
LOC104969192	1	1.904052	1.50518	0.453641	0.29029	0	0	0	0	0.044742	0.129484	0.830633	0.034845	0.04195
LOC104969197	1	0.090839	0.128231	0	0	0.308133	0	0	0	0	0	0.10544	0	0
LOC104969199	1	0.052169	0.072511	0.017529	0.019229	0	0.063004	0.008527	0.010371	0.24895	0.020013	0.032287	0.070173	2.173391
LOC104969225	1	0.003512	0	0	0.002103	0	0	0	0	0	0	0.001123	0	0
LOC104969230	1	0.169317	0.188213	0.159968	0.126526	0.073458	0.029166	0.062597	0.186558	0.12622	0.083379	0.143496	0.097584	0.680045
LOC104969231	1	0.010653	0	0	0	0	0	0.06791	0.027532	0	0.017709	0.002131	0.02263	10.62163
LOC104969236	1	0	0.057504	0	0	0	0	0	0	0	0	0.011501	0	0
LOC104969238	1	0.004318	0.002396	0.008943	0.008517	0.001414	0.003117	0.003164	0.003367	0.031367	0.020172	0.005118	0.012237	2.391286
LOC104969246	1	0	0	0	0	0	0.454329	0.061492	0.299156	0	0	0	0.162996	#DIV/0!
LOC104969247	1	0.000492	0.003336	0.008603	0.00118	0	0	0.005232	0.007635	0.005091	0.009822	0.002722	0.005556	2.040953
LOC104969259	1	0.022937	0.013633	0.044821	0.021692	0.006552	0	0.002565	0.01872	0.024964	0.036123	0.021927	0.016474	0.751322
LOC104969267	1	0.003465	0.00358	0.002576	0.002473	0.0006	0.001543	0.0047	0.009526	0.003811	0.008333	0.002539	0.005583	2.199017
LOC104969269	1	0.027619	0	0.060319	0	0	0	0	0	0	0	0.017588	0	0
LOC104969270	1	0.222259	0	0	0	0	0	0	0	0	0	0.044452	0	0
LOC104969271	1	0	0.208959	0	0	0	0	0	0	0	0	0.041792	0	0
LOC104969295	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969299	1	0.223136	0.112199	0.263224	0.323873	0.00442	0.008524	0.003461	0.008419	0.0421	0	0.185371	0.012501	0.067436
LOC104969302	1	0	0.049503	0.021274	0.005834	0	0.739188	0.258742	0.176228	0.025179	0.008096	0.015322	0.241487	15.76041
LOC104969313	1	0.35883	0.137488	0	0	0.173883	0	0.013616	0	0	0	0.13404	0.002723	0.020316
LOC104969321	0.007712	0.353598	0.471924	0.210612	0.308053	0.567006	0	0	0	0	0	0.382239	0	0
LOC104969327	1	0.013919	0.080688	0	0	0.045325	0	0	0	0	0	0.027986	0	0
LOC104969334	1	0.004957	0.006355	0	0.000321	0.000364	0.003506	0	0.00277	0.020086	0.009354	0.002399	0.007143	2.977203
LOC104969340	0.484594	0.111791	0	0	0	0	33.34721	18.02412	7.222934	0	0	0.022358	11.71885	524.1413
LOC104969351	1	0.06885	0.062857	0.073166	0.036339	0.036508	0.02623	0.019619	0.029315	0.034093	0.045166	0.055544	0.030885	0.556039
LOC104969352	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969353	1	0.002928	0.00349	0.002842	0.008573	0.001766	0.001703	0.008641	0.015975	0.024386	0.014601	0.00392	0.013061	3.332086
LOC104969356	1	0.000666	0.001879	0.004361	0.003588	0	0.005224	0.001414	0.00172	0.013762	0.012723	0.002099	0.006969	3.320809
LOC104969366	1	0.004198	0.002371	0.004584	0.005029	0	0	0.214106	0.173602	0.075962	0.059321	0.003236	0.104598	32.31874
LOC104969368	1	0	0	0	0.013697	0	0	0	0	0	0	0.002739	0	0
LOC104969378	1	0.031701	0.06265	0	0	0.014338	0.009217	0.03181	0.120617	0	0	0.021738	0.032329	1.48723
LOC104969379	1	0.006494	0	0	0	0	0	0	0	0.011191	0.003599	0.001299	0.002958	2.277324

LOC104969383	1	0.01385	0.218976	0.151242	0.066364	0	0	0	0	0	0.046047	0.090086	0.009209	0.102229
LOC104969384	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969385	1	0.027032	0.044617	0	0	0.090284	0	0	0	0	0	0.032386	0	0
LOC104969390	1	0	0	0.021186	0	0	0.152303	0.206139	0.300856	0.2006	0	0.004237	0.17198	40.58743
LOC104969394	1	0.020584	0.021458	0.062246	0.025606	0.034375	0.02486	0.037011	0.032738	0.020464	0.00658	0.032854	0.024331	0.740573
LOC104969396	1	0.041875	0.055171	0.091453	0.037621	0.018939	0	0	0	0.072159	0.011602	0.049012	0.016752	0.341799
LOC104969408	1	0.861615	0.80209	0.101715	0.167371	0.126386	0	0.049483	0.060184	0	0	0.411836	0.021933	0.053258
LOC104969409	1	0.051505	0.036644	0.032621	0.045656	0.118803	0.024259	0.012039	0.009318	0.010651	0.004281	0.057046	0.012109	0.212276
LOC104969415	2.38E-05	0.360713	0.282016	0.259709	0.408355	0.677671	0	0	0	0	0	0.397693	0	0
LOC104969425	8.77E-05	0.140723	0.183399	0.100691	0.072127	0.150323	0.003601	0	0.003557	0.010672	0.004576	0.129453	0.004481	0.034616
LOC104969435	1	0.022638	0.021374	0.104554	0.138701	0.011078	0	0	0.000959	0.040289	0.009254	0.059669	0.0101	0.169273
LOC104969447	1	0.078631	0.075344	0.041631	0.071357	0.012932	0	0	0	0.024636	0.011883	0.055979	0.007304	0.130473
LOC104969448	1	0	0.004835	0	0	0	0	0	0	0.132788	0.30601	0.000967	0.08776	90.76211
LOC104969449	1	0.005404	0.003051	0.008852	0.035605	0	0	0	0.02095	0.006984	0.011229	0.010583	0.007833	0.740166
LOC104969457	1	0.010078	0	0.407196	0.138836	0	0	0	0	0	0	0.111222	0	0
LOC104969458	1	0.028306	0	0	0	0	0	0	0	0	0	0.005661	0	0
LOC104969460	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969469	1	0	0.081055	0.026125	0	0.129847	0	0	0	0	0	0.047406	0	0
LOC104969476	1	0	0.029684	0	0	0	0.13756	0	0.033966	0	0	0.005937	0.034305	5.778372
LOC104969495	1	0.003631	0.012302	0	0	0.013139	0	0	0	0	0	0.005814	0	0
LOC104969496	1	0.003555	0.016059	0	0	0.019294	0	0	0	0	0	0.007782	0	0
LOC104969509	1	0	0.000986	0	0	0	0	0	0	0	0	0.000197	0	0
LOC104969513	1	0.011166	0	0	0.011465	0	0.033391	0.030506	0.01649	0.123692	0.243948	0.004526	0.089606	19.79754
LOC104969525	1	0.011685	0.009855	0.014537	0.010454	0.006021	0	0.001257	0	0.006882	0.002213	0.01051	0.00207	0.196988
LOC104969531	1	0.007766	0.006565	0.004662	0.004624	0.001232	0.001664	0.002895	0.00493	0.012443	0.018647	0.00497	0.008116	1.633021
LOC104969545	1	0.018708	0.008803	3.391105	3.630376	0	0.016317	0	0	6.092829	4.514435	1.409798	2.124716	1.507107
LOC104969548	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969553	1	0.012247	0	0	0	0	0	0	0	0	0	0.002449	0	0
LOC104969563	1	0.140998	0.031846	0	0	0	0	0.059923	0	0	0.140631	0.034569	0.040111	1.160319
LOC104969583	1	0.03979	0.011234	0.005431	0	0.067486	0.026029	0.031707	0.057845	0	0.012402	0.024788	0.025597	1.032615
LOC104969587	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969589	1	0.001702	0.001538	0.004461	0.00367	0	0	0	0	0.00352	0.001132	0.002274	0.00093	0.409075
LOC104969590	1	0.001896	0.001285	0.006625	0.002725	0.002058	0.049612	0.03626	0.02058	0.007841	0.027736	0.002918	0.028406	9.73508
LOC104969595	1	0	0.001042	0	0	0	0	0	0.004769	0.042931	0.007669	0.000208	0.011074	53.13645
LOC104969596	1	0.05622	0.031745	0.035811	0.016836	0.047676	0	0	0	0.01211	0.003894	0.037657	0.003201	0.084997
LOC104969602	1	0.046393	0.037722	0	0	0.027697	0	0.007887	0	0	0	0.022363	0.001577	0.070535
LOC104969604	1	0.003674	0.006223	0	0.0022	0	0	0	0.002374	0	0	0.002419	0.000475	0.196213
LOC104969611	1	0.00114	0.007726	0.511728	0.348973	0.007735	0.044753	0.155064	0.601146	0.197464	0.170586	0.175461	0.233803	1.332508
LOC104969614	1	0.14264	0.107389	2.388315	2.961696	0.129026	0	0	0	0	0	1.145813	0	0
LOC104969619	0.023258	0.001433	0.003237	0.037561	0.139064	0.015557	2.032634	0.895381	1.922412	0.75574	0.841017	0.039371	1.289437	32.75131
LOC104969620	1	0.040712	0.007073	0.047877	0.05252	0	0	0	0	0	0	0.029637	0	0
LOC104969623	1	0	0	0	0	0	0.067807	0.004589	0.022324	0.145128	0	0	0.04797	#DIV/0!
LOC104969628	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969630	1	0	0	0	0	0	0	0	0	0.239729	0	0	0.047946	#DIV/0!
LOC104969639	1	0.072724	0.082127	0	0	0.148011	0	0	0	0	0	0.060572	0	0
LOC104969640	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC104969641	1	0	0.045223	0	0	0	0	0	0	0	0.199702	0.009045	0.03994	4.415988
LOC104969642	1	0	0	0.250458	0.091584	0	0	0	0	0.039524	0.019064	0.068408	0.011718	0.171288
LOC104969648	1	0.053028	0.11977	1.254629	1.175164	0	0.231262	0.300487	0.662403	0.456896	0.073459	0.520518	0.344901	0.662611
LOC104969653	1	0.139635	0.315381	0.457435	0.376352	1.184134	0.091344	0.074179	0.135329	0	0.05803	0.494587	0.071777	0.145124
LOC104969669	1	0.002384	0	0.015621	0.025705	0.01294	0	0	0	0	0	0.01133	0	0
LOC104969670	1	0.006942	0.041812	0.010108	0.024948	0.012559	0	0	0	0	0	0.019274	0	0
LOC104969672	1	0.02953	0.066696	0.128983	0.212241	0.480803	0	0.062749	0	0	0.049088	0.183651	0.022367	0.121794
LOC104969678	1	0.11026	0.176399	0.040134	0	0.49868	0	0	0	0	0	0.165094	0	0
LOC104969714	1	0.040259	0	0	0	0	0	0	0	0	0.022308	0.008052	0.004462	0.554111
LOC104969716	1	0.067703	0	0.059144	0.064881	0.257214	0	0	0	0	0	0.089789	0	0
LOC104969719	2.79E-38	6.463755	6.641146	3.957793	5.304801	6.362788	0	0	0	0	0.003499	5.746057	0.0007	0.000122
LOC104969735	1	0.003941	0.002226	0.004304	0.002361	0	0	0	0.001698	0.003396	0.001092	0.002566	0.001237	0.482065
LOC104969758	1	0.039981	0.011288	0	0	0	0	0	0	0	0	0.010254	0	0
LOC104969778	1	0.794357	0.160192	0	0	1.616719	0.742345	0.241139	0.439923	0	0	0.514254	0.284681	0.553581
LOC104969798	1	0.002265	0	0	0	0.012296	0	0	0	0	0.007532	0.002912	0.001506	0.517269
LOC104969823	1	0.003046	0.00344	0.003326	0.003649	0	0.01594	0.022653	0.015744	0.070857	0.020253	0.002692	0.029089	10.80568
LOC104969832	1	0	0	0	0	0.07158	0	0	0	0	0	0.014316	0	0
LOC104969833	1	1.168042	1.180226	0.671305	0.736416	2.293848	0.482585	0.130633	0	0.079452	0.45987	1.209967	0.230508	0.190508
LOC104969845	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969863	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969864	1	0.011624	0.010398	0.003268	0.002206	0.000312	0.006023	0.000245	0.000892	0.002975	0.002105	0.005562	0.002448	0.440142
LOC104969875	1	0.021029	0.011874	0.022389	0.003464	0.00428	0.011005	0.002793	0.002717	0.01223	0.004807	0.012607	0.00671	0.532271
LOC104969889	1	0	0.03199	0.247461	0.23753	0	0	0	0	0	0	0.103396	0	0
LOC104969893	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969894	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969916	6.24E-06	0.423558	0.317277	0.261098	0.338593	0.176117	0	0	0	0.017658	0.004259	0.303329	0.004383	0.014451
LOC104969934	1	0	0.124395	0	0	0.149458	1.152921	3.159905	0.996384	0	0.183109	0.054771	1.098464	20.05572
LOC104969950	1	0.03573	0.025484	0.049284	0.036043	0.035722	0	0	0	0	0	0.036453	0	0
LOC104969959	1	0.013105	0.0037	0.010733	0.007849	0	0.008573	0	0	0	0	0.007077	0.001715	0.24226
LOC104969972	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969973	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104969981	1	0	0	0	0	0	0.038473	0	0	0	0	0	0.007695	#DIV/0!
LOC104969983	1	0.056683	0.042675	0.041264	0.045267	0	0	0	0	0	0	0.037178	0	0
LOC104970007	1	0.223992	0.291872	0.15052	0.144479	1.122168	0.180342	0	0	0	0.028642	0.386606	0.041797	0.108112
LOC104970008	8.84E-10	0	0	0	0	0	8.720865	6.986367	6.867503	13.03851	14.07524	0	9.937698	#DIV/0!
LOC104970025	1	0.001919	0.002168	0	0.004598	0	0	0	0	0	0	0.001737	0	0
LOC104970029	1	0.009473	0.0115	0.65894	0.023547	0.014781	0.001239	0.001006	0.597377	0.361172	0.193694	0.143648	0.230898	1.607381
LOC104970047	1	0.063475	0.052133	0.004201	0.002304	0.015659	0	0	0	0	0	0.027554	0	0
LOC104970052	1	0	0	0	0	0	0	0	0	0.01774	0	0	0.003548	#DIV/0!
LOC104970061	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970072	8.12E-05	0.031886	0	0	0	0	7.008545	8.266261	7.663913	0.659357	0.954094	0.006377	4.910434	769.9974
LOC104970076	1	0.069576	0.019207	0	0	0.016783	0	0.003285	0.015984	0	0	0.021113	0.003854	0.182532
LOC104970098	1	0.138997	0.055401	0.035713	0.058766	0.244065	0	0.017374	0	0.380415	0.054367	0.106588	0.090431	0.848416
LOC104970103	1	0.108488	0.182025	0.128621	0.100253	0.218698	0.486647	0.882609	1.722346	0.064097	0.015458	0.147617	0.634231	4.296462
LOC104970105	1	3.430889	2.531233	1.846724	1.914372	2.678908	1.799731	2.630758	1.923958	2.091563	1.667941	2.480425	2.02279	0.815501
LOC104970114	1	0.016176	0	0	0.019378	0	0	0.189058	0.125421	1.128958	0.484032	0.007111	0.385494	54.21221

LOC104970116	1	0	0	0.015268	0	0	0	0	0	0	0	0.003054	0	0
LOC104970118	1	0	0	0.087363	0	0	0	0.085002	0	0	0.099745	0.017473	0.036949	2.114713
LOC104970129	1	0	0.044103	0.162054	0.018713	0	0.081752	0.25726	0.464286	0.28265	0.045444	0.044974	0.226278	5.031312
LOC104970137	1	0	0	0	0	0	0.089514	0	0	0	0	0	0.017903	#DIV/0!
LOC104970145	1	0.246582	0.03732	0.322004	0.200979	0.131069	0.013304	0.016205	0.00657	0.091991	0.038032	0.187591	0.03322	0.17709
LOC104970162	1	0.092315	0.144794	0.795245	0.540628	0.125256	0	0	0.013255	1.670315	0.630881	0.339647	0.46289	1.362855
LOC104970173	1	0.154848	0.049963	0.193247	0.105995	0	0	0.094013	0	0.228717	0.110318	0.100811	0.08661	0.859131
LOC104970178	0.553415	0.018082	0.061259	0.401479	0.53428	0	0	0	0	0	0	0.20302	0	0
LOC104970180	1	0.04251	0.030724	0.016711	0.012221	0.011536	0	0.003613	0.008789	0.061533	0.028266	0.022741	0.02044	0.898852
LOC104970184	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970192	1	0.009841	0.008335	0	0.002947	0	0	0	0	0	0	0.004224	0	0
LOC104970193	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970199	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970208	1	0.002992	0	0	0.014334	0	0	0	0	0.03093	0.004973	0.003465	0.007181	2.072253
LOC104970249	1	0.058134	0.144008	0.081911	0.143768	0.132311	0.058884	0.179319	0.329565	1.173034	0.355376	0.112026	0.419235	3.742298
LOC104970253	1	0	0.00949	0	0	0	0	0	0	0	0	0.001898	0	0
LOC104970256	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970266	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970268	1	0.002676	0.000756	0.056986	0.020838	0	0	0	0.006916	0.020752	0.016683	0.016251	0.00887	0.545831
LOC104970284	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970303	1	0.0122	0.013013	0.006661	0.004872	0.022992	0	0	0	0.001752	0.023661	0.011948	0.005083	0.425417
LOC104970327	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970340	1	0	0	0	0	0.023443	0	0.009179	0.022327	0	0	0.004689	0.006301	1.343906
LOC104970383	0.302205	0.99998	0.258794	0.068247	0.199645	0.848006	0	0	0	0	0	0.474935	0	0
LOC104970387	1	0.179926	0.051604	0	0	0	0	0	0	0	0	0.046306	0	0
LOC104970437	0.166167	0.045487	0.078564	0.163623	0.07372	0.058088	0	0	0	0	0	0.083897	0	0
LOC104970450	1	0.072345	0.077855	0.232352	0.106034	0.039264	0	0.016277	0.050593	0.1012	0.032542	0.10557	0.040122	0.380053
LOC104970453	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970458	1	0.057808	0.023041	0.059412	0.016294	0.018456	0.035592	0.007226	0	0	0.011305	0.035002	0.010825	0.309255
LOC104970468	1	0.448783	0.280283	0.193055	0.16698	0.645829	0.017793	0	0.008787	0.263641	0.401272	0.346986	0.138299	0.398571
LOC104970470	1	0.019036	0.010117	0.007337	0.00939	0.003039	0	0	0.002894	0	0.001861	0.009784	0.000951	0.097213
LOC104970471	1	0.004802	0.003766	0.00233	0.001758	0.001448	0.00349	0.001134	0.001379	0.007585	0.0051	0.002821	0.003738	1.325037
LOC104970481	0.758502	0.087455	0.012345	0	0	0	0.05721	0.046459	0.028253	11.41575	18.91741	0.01996	6.093016	305.2613
LOC104970491	0.895804	0.399269	0.450897	0	0	0.884984	0	0	0	0	0	0.34703	0	0
LOC104970503	1	0.014462	0.005444	0.031584	0.06352	0.130814	0	0	0	0.049841	0.040067	0.049165	0.017982	0.365743
LOC104970511	1	0.009842	0.02736	0.013228	0.012697	0.002055	0.007924	0.008044	0.001957	0.015656	0.007551	0.013036	0.008227	0.631038
LOC104970512	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970534	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970537	1	2.487061	3.26382	3.962101	2.910377	3.15462	1.501755	2.762909	8.017543	4.899092	3.423849	3.155596	4.12103	1.305943
LOC104970547	1	0.008971	0.007368	0.005343	0.017585	0.004426	0	0	0	0	0	0.008739	0	0
LOC104970557	1	0.20414	0	0.297223	0.081513	0	0.356111	0	0	13.01574	17.4199	0.116575	6.15835	52.82735
LOC104970566	1	0.020959	0.003737	0.006023	0.007928	0	0	0	0	0.005703	0.006418	0.007729	0.002424	0.313622
LOC104970569	1	0.003722	0.006467	0.002501	0.002744	0.004662	0.028471	0.012169	0.00814	0.06661	0.03189	0.004019	0.029456	7.328567
LOC104970580	1	0.007781	0.003295	0.016994	0.003495	0.005279	0	0	0	0.010056	0.003234	0.007369	0.002658	0.360711
LOC104970589	1	2.571541	3.454225	2.632988	2.965932	4.024664	0.500227	0.183457	0.669381	1.896856	0.379295	3.12987	0.725843	0.231908
LOC104970594	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC104970598	1	0.00315	0	0.004128	0.005283	0	0.056049	0.025436	0.027679	0.026055	0.038749	0.002512	0.034793	13.85051
LOC104970608	1	0	0.028526	0.110334	0	0	0	0	0	0.261171	0.251944	0.027772	0.102623	3.695186
LOC104970610	1	0.003197	0.005673	0.001995	0.002735	0.001859	0.020314	0.006793	0.020064	0.049577	0.036818	0.003092	0.026713	8.640378
LOC104970613	1	0.006436	0	0	0	0	0	0	0	0	0	0.001287	0	0
LOC104970628	1	0.071262	0.016347	0.017022	0.004001	0.063453	0.058271	0.004732	0.005755	0.017269	0.025913	0.034417	0.022388	0.650495
LOC104970637	1	0.006246	0.010581	0.00341	0.011223	0.004238	0	0	0	0	0	0.00714	0	0
LOC104970644	1	0.041927	0.130905	0	0	0.066927	0	0	0	0	0	0.047952	0	0
LOC104970645	0.500518	0.023699	0.026763	0.051758	0.031377	0.016924	0	0	0	0	0	0.030104	0	0
LOC104970663	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970680	1	0	0	0	0	0.170737	0	0	0	0	0	0.034147	0	0
LOC104970683	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970693	1	0	0	0.074306	0	0	0	0	0	0	0	0.014861	0	0
LOC104970698	1	0.413312	0.466755	0.5777	0.198041	0.224318	0	0	0	0	0.027482	0.376025	0.005496	0.014617
LOC104970711	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970721	1	0	0.094939	0.03672	0.020141	0	0	0	0	0	0	0.03036	0	0
LOC104970733	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970752	1	0.148723	0.131214	0.121802	0.033404	0.138732	0	0	0.012011	0	0.023177	0.114775	0.007038	0.061318
LOC104970757	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970758	1	0.010674	0.01011	0.001504	0.002887	0	0	0	0	0.00178	0.000572	0.005035	0.00047	0.093441
LOC104970777	0.01067	0.09471	0.172632	0.116123	0.071654	0.108216	0	0	0	0	0.008286	0.112667	0.001657	0.014709
LOC104970778	1	0.003719	0.0042	0	0	0	0	0.003952	0	0.028842	0.006183	0.001584	0.007795	4.921447
LOC104970779	1	0.001654	0.016808	0	0.043581	0.031413	0	0	0	0	0	0.018691	0	0
LOC104970784	1	0.00457	0.00172	0.003327	0.006083	0	0.002658	0	0.001312	0.002625	0.001688	0.00314	0.001657	0.527579
LOC104970788	1	0	0	0.047973	0	0	0	0	0	0	0	0.009595	0	0
LOC104970790	1	0.008021	0	0	0.009608	0.021766	0	0	0	0	0	0.007879	0	0
LOC104970809	1	0.044578	0.025306	0	0	0.005175	0	0.001013	0	0	0	0.015012	0.000203	0.013498
LOC104970812	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970813	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970815	1	0.135882	0.350749	0	0	1.488129	0.68572	0.350617	0.112879	0	0	0.394952	0.229843	0.581952
LOC104970821	2.29E-05	1.329813	0.738573	0.833189	0.848716	1.242331	0	0	0	0	0	0.998524	0	0
LOC104970823	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970830	1	0.005768	0.009771	0.012597	0.038003	0	0	0	0	0	0	0.013228	0	0
LOC104970831	1	0.007873	0	0	0.004715	0	0	0	0	0	0.009816	0.002518	0.001963	0.779732
LOC104970843	1	0.007058	0.000996	0.001927	0.001057	0	0	0.001875	0	0.164189	0.005866	0.002208	0.034386	15.57659
LOC104970846	1	0.009956	0.003748	0	0	0	0	0	0	0	0	0.002741	0	0
LOC104970849	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970852	1	0.44803	0.516228	0.402736	0.455799	0.454605	0.163109	0.088305	0.335625	0.161124	0.31518	0.45548	0.212668	0.466911
LOC104970868	1	0.05568	0.038109	0	0	0.06868	0	0	0	0	0	0.032494	0	0
LOC104970883	1	0.122969	0.096886	0.047883	0.044534	0.06467	0.004989	0.008102	0.007391	0.034496	0.107754	0.075388	0.032546	0.431716
LOC104970884	1	0.028959	0.113372	0.054813	0.101757	0.020956	0.010103	0.032819	0.014969	0.169669	0.102698	0.063971	0.066052	1.032517
LOC104970886	1	0.209842	0.059244	0	0	0.07118	0.411815	16.38698	10.64313	0	0	0.068053	5.488386	80.64831
LOC104970891	1	0	0.016727	0	0	0	0	0	0	0	0	0.003345	0	0
LOC104970893	1	0	0	0	0.002424	0	0	0	0	0	0	0.000485	0	0
LOC104970894	1	0.00334	0.005281	0.007295	0.002401	0	0.020978	0.005679	0.006907	0.020723	0.013327	0.003664	0.013523	3.691044
LOC104970902	1	0	0.007714	0.044754	0.016365	0.037072	0.017874	0	0	0.035312	0	0.021181	0.010637	0.502202
LOC104970904	1	0.004301	0	0.002348	0.001288	0	0	0	0.002779	0	0.003575	0.001587	0.001271	0.800491

LOC104970906	1	0	0	0	0	0.041101	0	0	0	0	0	0.00822	0	0
LOC104970908	1	0.31107	0.439117	0	0	1.266215	208.579	55.85527	86.022	0	0	0.40328	70.09126	173.8028
LOC104970909	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970913	1	5.562126	6.652154	3.542105	3.504246	6.601841	0.520723	0.486301	0.617173	2.57193	1.538261	5.172494	1.146878	0.221726
LOC104970926	0.459431	0.004293	0.009003	0.005357	0.005142	0	0.089859	0.041699	0.074489	0.136318	0.03466	0.004759	0.075405	15.84488
LOC104970930	1	1.400477	1.717909	0.495702	1.110702	0.681457	1.895471	1.744518	1.372896	5.667141	1.517253	1.081249	2.439456	2.256145
LOC104970931	1	0.005067	0	0	0.002023	0	0	0	0	0	0.002808	0.001418	0.000562	0.395992
LOC104970937	0.065692	0.035013	0.100168	0.331355	0.25165	0.152021	0	0	0.012065	0	0	0.174042	0.002413	0.013865
LOC104970940	1	0.110975	0.085516	0.045622	0.034407	0.037201	0.061493	0.030517	0.021932	0.060745	0.015192	0.062744	0.037976	0.605253
LOC104970947	1	0.009126	0.013741	0	0.003644	0.002752	0	0	0	0.026209	0.006742	0.005852	0.00659	1.126079
LOC104970949	1	0.028107	0	0.011161	0	0	0	0	0	0	0	0.007854	0	0
LOC104970966	0.715172	0.567888	0.137426	0	0	1.320911	263.0172	186.0095	108.9225	0	0	0.405245	111.5898	275.3639
LOC104970974	1	0.002511	0.009452	0.025592	0.017045	0.011357	0.008761	0.010672	0.023795	0.017308	0.016697	0.013191	0.015447	1.170946
LOC104970976	1	0.001052	0	0	0	0	0	0	0	0	0	0.00021	0	0
LOC104970977	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970982	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104970985	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971004	1	0.149544	0.167592	0.044876	0.01094	0.074347	0	0	0	0.265564	0.070213	0.08946	0.067155	0.750678
LOC104971009	1	0	0	0	0.041778	0.047321	0.228149	0.240859	0.202806	0	0.028988	0.01782	0.14016	7.865377
LOC104971021	0.080514	0.030716	0.019271	0.247829	0.118559	0.018523	0	0	0	0.004411	0	0.086979	0.000882	0.010142
LOC104971023	1	0.369531	0.552327	0.450994	0.442659	0.79633	0	0	0.112357	0.224746	0	0.522368	0.067421	0.129067
LOC104971030	1	0.494234	0.363318	0	0	0.632636	0.008134	0.079262	0.333388	0	0	0.298038	0.084157	0.28237
LOC104971032	1	0.100279	0.021571	0	0	0.025917	6.147592	2.932503	3.27043	0	0	0.029553	2.470105	83.58128
LOC104971033	0.062948	0.015086	0.023121	0.115315	0.036143	0.081876	0	0	0	0	0	0.054308	0	0
LOC104971043	1	0.017972	0	0.078501	0	0	0	0	0	0	0.089627	0.019295	0.017925	0.929038
LOC104971054	1	0.042745	0.042238	0.431755	0.032002	0.028999	0	0	0	0	0	0.115548	0	0
LOC104971057	1	0.016163	0	0	0	0	0	0	0	0	0	0.003233	0	0
LOC104971058	7.64E-16	0.74599	0.932598	1.496384	0.305082	0.412611	0	0	0	0	0.00158	0.778533	0.000316	0.000406
LOC104971069	1	0.056012	0.045182	0.024029	0.017972	0.001809	0.008724	0.001417	0.004308	0.005171	0.014964	0.029001	0.006917	0.238505
LOC104971070	1	0.019891	0.022844	0.014726	0.014539	0.012809	0.007058	0.009672	0.011327	0.007843	0.014852	0.016962	0.01015	0.598415
LOC104971076	1	0.001669	0	0	0.003998	0.009056	0.008733	0	0	0	0	0.002945	0.001747	0.593137
LOC104971093	1	0	0	0	0	0	0	2.081837	1.480986	0	0	0	0.712565	#DIV/0!
LOC104971094	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971101	1	0.012143	0.04325	0.059161	0.043639	0.030418	0	0	0	0.082092	0.017081	0.037722	0.019834	0.525804
LOC104971110	1	0.002594	0	0	0.003107	0.014077	0	0.022046	0	0	0.004312	0.003955	0.005271	1.332697
LOC104971122	1	0	0	0	0.017508	0	0	0	0	0	0	0.003502	0	0
LOC104971141	1	0.011633	0.008758	0	0	0.04209	0.060877	0.012359	0.200426	0	0	0.012496	0.054733	4.380002
LOC104971159	1	0.005259	0	0	0	0	0.006881	0	0.010194	0	0	0.001052	0.003415	3.246664
LOC104971162	1	0.063389	0.031816	0.099984	0.151868	0.038226	0.718765	0.149666	0.200232	0.273084	0.240019	0.077057	0.316353	4.105458
LOC104971168	1	0.021085	0.003402	0.049338	0.02165	0	0	0.044805	0.101202	0.062287	0.067598	0.019095	0.055178	2.889683
LOC104971171	1	0	0	0	0	0	0	0	0	0.056154	0.036113	0	0.018454	#DIV/0!
LOC104971177	1	0	0.198218	0	0	0.31754	0	0	0	0	0	0.103152	0	0
LOC104971180	1	0.006185	0.008981	0.023158	0.014819	0	0	0	0	0.013704	0.001469	0.010629	0.003035	0.285513
LOC104971213	1	0.017849	0.009406	0.02079	0.00784	0	0	0	0.001538	0	0.002967	0.011177	0.000901	0.080607
LOC104971216	1	0.02194	0	0	0.157693	0	0	0	0	0	0	0.035927	0	0
LOC104971220	1	0.003015	0.00259	0.002004	0.000942	0.000889	0.001715	0.000836	0.000677	0.002371	0.002288	0.001888	0.001577	0.835511

LOC104971224	1	0	0.003086	0	0	0.007416	0	0	0	0	0	0.0021	0	0
LOC104971229	0.305853	0.053001	0.129824	0.044018	0.042922	0.062797	0	0	0	0.003859	0.008686	0.066512	0.002509	0.037724
LOC104971230	1	0.001392	0.008646	0	0.002501	0	0	0	0.008994	0.003598	0.009256	0.002508	0.00437	1.742365
LOC104971235	1	0.001869	0.001689	0.005715	0.002239	0	0.001956	0.002383	0.001932	0.009663	0.001243	0.002302	0.003436	1.492151
LOC104971236	1	0.002554	0.004326	0	0	0	0.026732	0.00407	0.00165	0.019805	0.021228	0.001376	0.014697	10.68042
LOC104971237	1	0.006848	0.0029	0.000935	0.001025	0	0.006719	0.003638	0.003318	0.050887	0.026323	0.002342	0.018177	7.76299
LOC104971238	0.000266	0.003595	0	0	0	0	0.188162	0.061121	0.08363	0.446093	0.310796	0.000719	0.217961	303.1055
LOC104971253	1	0	0	0	0	0	0	0	0	0	0.017604	0	0.003521	#DIV/0!
LOC104971255	1	0.000552	0.003115	0.030122	0	0	0.002887	0.009379	0.001426	0.125491	0.140317	0.006758	0.0559	8.271923
LOC104971266	1	0.10255	0.088877	0	0.002857	0.058246	0	0	0	0.012329	0	0.050506	0.002466	0.048822
LOC104971269	1	0.002449	0.004916	0.002377	0.004888	0.000738	0	0	0	0.009845	0.004975	0.003074	0.002964	0.964351
LOC104971270	1	0.025119	0.044915	0.004572	0.022568	0.028402	0	0.002224	0.01082	0.043286	0.114831	0.025115	0.034232	1.363005
LOC104971273	1	0	0	0	0	0	0	0	0.002571	0.010284	0.003307	0	0.003232	#DIV/0!
LOC104971291	1	0	0	0	0	0	0	0	0.178122	0	0	0	0.035624	#DIV/0!
LOC104971292	1	0	0	0	0	0	0	0	0	0.301055	0.435629	0	0.147337	#DIV/0!
LOC104971296	1	2.105283	1.847522	0	0	0.607011	0.091814	0.0932	0.056677	0	0	0.911963	0.048338	0.053005
LOC104971297	1	0.07927	0.282332	0.106537	0.219131	0.049641	0.319112	0.103658	0.252146	0.409797	0.202728	0.147382	0.257488	1.747076
LOC104971301	1	0.003412	0	0	0	0	0.089286	0.09426	0.061731	0	0	0.000682	0.049056	71.88209
LOC104971307	1	0.080668	0.04969	0	0	0.039801	0	0	0	0	0	0.034032	0	0
LOC104971315	1	0	0.023893	0.723915	1.072919	0.019138	0	0	0	0.236984	0.070342	0.367973	0.061465	0.167037
LOC104971316	1	0.001223	0	0	0	0	0	0	0	0	0	0.000245	0	0
LOC104971329	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971332	1	0.291254	0.113419	0.372879	0.096246	0.109016	0.735835	0.256097	0.20765	3.686318	7.529551	0.196563	2.48309	12.63254
LOC104971336	1	0.165034	0	0.048057	0.026359	0	0	0	0	0	0	0.04789	0	0
LOC104971345	1	0.034558	0.051785	0.034834	0.031048	0.054103	0	0.008473	0.005153	0.017178	0.009943	0.041265	0.008149	0.197485
LOC104971346	1	0.006758	0.007632	0	0	0	0.424411	0.186689	0.17466	0	0	0.002878	0.157152	54.60404
LOC104971349	1	0.035137	0.01984	0.211031	0.473521	0.047676	0	0	0	10.39929	6.687933	0.157441	3.417446	21.7062
LOC104971359	1	0.004195	0	0	0	0	0.010977	0.053485	0	0	0.02092	0.000839	0.017076	20.35336
LOC104971363	1	0	0	0.01023	0.007482	0	0	0	0	0	0	0.003542	0	0
LOC104971364	1	0	0.004115	0	0	0	0	0	0	0	0	0.000823	0	0
LOC104971369	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971373	1	0	0	0	0	0.017742	0	0	0	0	0	0.003548	0	0
LOC104971374	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971381	1	0.058998	0	1.54618	0.447594	0.106733	0	0	0	0	0.032691	0.431901	0.006538	0.015138
LOC104971388	1	0.002671	0.003017	0.005834	0.0048	0	0	0	0	0	0	0.003264	0	0
LOC104971390	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971400	9.23E-09	0.295972	0.468411	0.063729	0.035454	0.122172	0	0	0	0	0	0.197148	0	0
LOC104971401	1	0.003515	0.00397	0.145858	0.168426	0.028616	0	0	0	0	0	0.070077	0	0
LOC104971402	1	0	0	0	0	0	0	0.013245	0.01611	0	0	0	0.005871	#DIV/0!
LOC104971407	1	0.005168	0.008024	0.008464	0.004643	0.003506	0	0.001373	0.001669	0.010018	0.005369	0.005961	0.003686	0.618324
LOC104971408	1	0	0.155951	0	0	0	2.348758	1.687305	1.338367	0	0	0.03119	1.074886	34.46226
LOC104971425	1	0.030538	0	0.066694	0	0	0	0	0	0	0	0.019446	0	0
LOC104971427	1	0.038018	0.046837	0.030193	0.024841	0.037516	0	0	0	0	0.005745	0.035481	0.001149	0.032386
LOC104971464	1	0.371405	0.300487	0	0	1.594541	0	0	0	0	0	0.453286	0	0
LOC104971465	1	0	0.031213	0	0.066218	0.112506	0	0.117464	0.142864	0	0	0.041987	0.052066	1.240032
LOC104971493	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC104971494	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971496	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971497	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971501	0.127265	3.989256	5.126981	4.614904	5.039502	4.952289	0.871275	0.08164	0.463371	0.529644	0.989931	4.744586	0.587172	0.123756
LOC104971503	1	1.92002	1.952291	2.104657	2.026802	2.136024	0.115495	0.07816	0.209134	1.635286	0.122288	2.027959	0.432073	0.213058
LOC104971508	1	0.001902	0	0.004154	0.002278	0	0	0	0	0	0	0.001667	0	0
LOC104971510	1	0.199307	0.259706	0.200898	0.238749	0.624063	0	0	0.039623	0	0.127429	0.304545	0.03341	0.109706
LOC104971520	1	0.077714	0.029254	0.028287	0.062062	0	0.135568	0.220184	1.372457	0	0.086124	0.039464	0.362867	9.194985
LOC104971541	1	0	0	0	0	0	0	0	0	0.027732	0.004459	0	0.006438	#DIV/0!
LOC104971585	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971588	1	0.007156	0.001616	0.001563	0.002572	0.003884	0	0.001521	0	0.007399	0	0.003358	0.001784	0.531215
LOC104971613	1	0.124285	0.12866	0.180956	0.126135	0.06558	0.216808	0.157726	0.187371	0.062466	0.014347	0.125123	0.127744	1.020945
LOC104971615	2.56E-14	0.374605	0.308708	0.221114	0.266817	0.219796	14.35884	12.06934	9.105803	18.68531	14.22155	0.278208	13.68817	49.20122
LOC104971636	1	0.004902	0.008303	0	0.000734	0.003325	0.016033	0.002604	0	0.044345	0.08352	0.003453	0.0293	8.485773
LOC104971647	1	0.035163	0.03265	0.008533	0.008424	0	0	0	0.008078	0	0.002598	0.016954	0.002135	0.125938
LOC104971650	1	0.648294	0.221855	0	0.494192	1.012905	0.514051	0	0.25386	0	0	0.475449	0.153582	0.323025
LOC104971676	1	0.138187	0.028374	0.027436	0	0.136362	0	0	0	0	0	0.066072	0	0
LOC104971683	1	0	0	0.03192	0.035016	0	0	0.031057	0.018886	0.094446	0.024296	0.013387	0.033737	2.520128
LOC104971691	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971707	1	0.007796	0.026413	0.034053	0.046695	0.014104	0	0.011044	0	0	0	0.025812	0.002209	0.085574
LOC104971723	1	0.011355	0.051292	0	0	0.030813	0	0.08445	0.088038	0	0	0.018692	0.034497	1.845565
LOC104971724	1	0.031649	0.034451	0.013724	0.01396	0.025734	0.026309	0.012625	0.008859	0.03603	0.015574	0.023904	0.019879	0.831649
LOC104971814	1	0.184202	0.060672	0	0	0.166621	0	0	0.37688	0	0	0.082299	0.075376	0.915879
LOC104971817	0.000947	0.273774	0.154587	0.179373	0.131181	0	3.438595	1.279862	2.830211	6.651963	205.3881	0.147783	43.91775	297.1773
LOC104971821	1	0.042275	0.023871	0	0.063302	0	0	0	0	0.109274	0.087845	0.02589	0.039424	1.522765
LOC104971841	1	0	0.450553	0.354983	0.247809	0	0	0	0	0	0	0.210669	0	0
LOC104971845	1	0.00994	0.033675	0.065123	0.059533	0.107891	0.026009	0.031682	0	0.051384	0.024784	0.055232	0.026772	0.484712
LOC104971852	1	0.1351	0.141672	0.185462	0.104037	0.125698	0.030301	0.012303	0.009976	0.019955	0.003208	0.138394	0.015149	0.109461
LOC104971855	1	0	0.046208	0	0.049014	0	0	0	0	0	0	0.019044	0	0
LOC104971869	1	0.006643	0.010003	0.019345	0.010611	0	0.011589	0	0.005723	0	0.003681	0.009321	0.004199	0.450476
LOC104971924	1	0.095173	0.465746	0.069285	0.190013	0.688718	0	0	0	0	0	0.301787	0	0
LOC104971926	1.64E-08	0.654046	0.771519	0.709433	1.238907	0.59294	0.02287	0.027858	0.015059	0.022591	0.004843	0.793369	0.018644	0.0235
LOC104971938	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104971940	1	0.01223	0.021485	0.016323	0.015057	0.027657	0.03378	0.010107	0.028974	0.187921	0.091488	0.018551	0.070454	3.797951
LOC104971960	1	0.01284	0.002417	0.009347	0.016663	0	0	0	0	0	0	0.008253	0	0
LOC104971979	1	0.247273	0.14074	0.15553	0.324643	0.042945	0.04141	0.029425	0.005113	0.020453	0	0.182226	0.01928	0.105803
LOC104971984	1	0.004876	0.006275	0.001238	0.00163	0.003077	0.003561	0.005783	0.006154	0.015828	0.005843	0.003419	0.007434	2.174111
LOC104971985	1	0.000636	0.00646	0	0	0	0	0	0	0	0	0.001419	0	0
LOC104972001	1	0.028739	0.048683	0	0	0	0	0	0	0	0	0.015484	0	0
LOC104972008	1	0.005983	0	0	0	0	0	0	0	0	0	0.001197	0	0
LOC104972024	1	0.010362	0.016383	0.009052	0.012413	0.02812	0	0.013212	0.034815	0.10714	0.013781	0.015266	0.03379	2.213345
LOC104972026	1	0.008383	0.006446	0.018308	0.010683	0.005324	0.006534	0.001516	0.00461	0.023973	0.009784	0.009829	0.009283	0.944529
LOC104972031	5.39E-11	1.303059	1.417815	1.902549	1.51708	0.665497	0	0	0	0	0.012169	1.3612	0.002434	0.001788
LOC104972036	1	0.006555	0.004129	0.002425	0.002012	0.002793	0.003118	0.003684	0.00637	0.019743	0.011301	0.003583	0.008843	2.468264
LOC104972045	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972052	1	0.005032	0	0	0	0.013656	0	0	0.006503	0	0	0.003738	0.001301	0.347963

LOC104972065	1	0.025518	0	0	0.030567	0	0	0	0	0	0	0.011217	0	0
LOC104972076	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972110	1	0.009663	0	0	0	0	0	0	0	0	0	0.001933	0	0
LOC104972115	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972118	1	0.00748	0.019711	0.027228	0	0	0	0	0	0	0.004145	0.010884	0.000829	0.076167
LOC104972128	1	0.701804	0.516881	0	0	0.910831	0.159686	0	0.03943	0	0	0.425903	0.039823	0.093503
LOC104972133	1	0.109771	0.007513	0.087177	0.12751	0	0.069633	0.042411	0.042985	0.223552	0.00553	0.066394	0.076822	1.157057
LOC104972144	1	0.038587	0.006225	0	0	0	0	0	0	0	0	0.008962	0	0
LOC104972146	1	0.016904	0	0	0	0	0	0	0	0	0	0.003381	0	0
LOC104972173	1	0	0.00226	0	0.004794	0	0	0	0.005171	0.020688	0.039915	0.001411	0.013155	9.325064
LOC104972193	1.83E-07	0.04461	0	0	0.053438	0	3.501894	6.161633	6.341084	21.90875	11.93927	0.01961	9.970527	508.4492
LOC104972201	1	0.007472	0.004219	0	0	0	0	0	0	0	0	0.002338	0	0
LOC104972216	1	0.162555	0.148865	0.013425	0.005727	0.030582	0.032169	0.036284	0.052073	0.007062	0.019869	0.072231	0.029491	0.408294
LOC104972252	1	0	0	0.010105	0.038798	0	0	0	0	0.454476	0.699933	0.009781	0.230882	23.60586
LOC104972256	1	0.31868	0.275914	0.579987	0.648966	0.230611	0	0.022573	0.219629	0.439323	0.052975	0.410832	0.1469	0.357567
LOC104972274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972276	1	0.023457	0	0	0	0	0	0	0	0.040421	0.038993	0.004691	0.015883	3.385546
LOC104972285	1	1.352105	0.989994	1.168197	0.836537	0.483846	0	0	0	0.230436	0	0.966136	0.046087	0.047703
LOC104972290	1	0.922275	1.088873	0	0	10.65566	1.096948	2.019176	3.79204	0	0	2.533361	1.381633	0.545375
LOC104972306	1.82E-18	13.2166	10.79422	4.460769	7.183389	1.451294	0	0	0	0	0	7.421254	0	0
LOC104972309	1	0	0.002361	0	0	0	0	0	0	0	0	0.000472	0	0
LOC104972311	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972316	1	0.063235	0.017853	0.034526	0.056812	0.0858	0	0	0	0	0	0.051645	0	0
LOC104972322	1	0.002089	0.009437	0.013687	0.015015	0	0	0	0	0	0	0.008046	0	0
LOC104972332	1.46E-05	0.083261	0.080338	0.058588	0.020233	0.077651	0.00208	0.000422	0.001541	0.003082	0.002312	0.064014	0.001887	0.029484
LOC104972334	1	0.010409	0	0	0	0	0.027237	0	0	0	0	0.002082	0.005447	2.616664
LOC104972343	0.00023	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972346	1	0.007111	0.008554	0.011478	0.015369	0.002517	0.001618	0.000328	0.001199	0.00879	0.023641	0.009006	0.007115	0.79007
LOC104972350	1	0.006128	0.006807	0.002413	0.001324	0.002181	0	0.002348	0.002596	0.005193	0.00167	0.003771	0.002362	0.626311
LOC104972351	1	0	0	0.00868	0	0	0	0	0	0	0	0.001736	0	0
LOC104972363	1	0.001218	0.001375	0.002659	0.001945	0	0.02124	0.000862	0.00944	0.035669	0.002699	0.001439	0.013982	9.714497
LOC104972370	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972373	0.006475	0.029299	0	0.44792	0.070195	0	9.813317	10.08606	9.389589	5.301346	0.974106	0.109483	7.112884	64.96796
LOC104972390	1	0.156233	0.074288	0.035917	0.0591	0.178512	0	0	0	0	0	0.10081	0	0
LOC104972393	1	0	0	0.051529	0	0	0	0	0	0	0.176495	0.010306	0.035299	3.425199
LOC104972396	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972400	1	0.318458	0.142022	3.71228	5.41116	0.302741	1.369366	0.94394	1.840034	3.282134	1.952309	1.977332	1.877557	0.94954
LOC104972401	1	0.015019	0.00212	0.0164	0.002249	0.005094	0	0.003989	0.007278	0	0.017164	0.008176	0.005686	0.695442
LOC104972402	1	0.433561	0.238782	0.170252	0.161181	0.121711	0.072652	0.02723	0.068997	0.375399	0.209471	0.225097	0.15075	0.66971
LOC104972403	1	0.005263	0.005943	0.281606	0.2112	0.049987	0.055086	0.011184	0	0.040811	0.030621	0.1108	0.02754	0.248559
LOC104972406	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972407	1	0.207251	0.195041	0.064661	0.094577	0.026781	0	0	0	0	0	0.117662	0	0
LOC104972409	1	0.253463	0.363137	0.524637	0.362534	0.205318	0.118787	0.100485	0.16621	0.195569	0.229536	0.341818	0.162117	0.47428
LOC104972417	1	0.126074	0.052205	0.027534	0.010068	0.125446	0	0	0	0	0	0.068265	0	0
LOC104972423	1	0.028306	0	0	0	0	0	0	0	0.146331	0	0.005661	0.029266	5.169638
LOC104972426	1	0.007045	0.001591	0.178481	0.048948	0	0	0	0	0.007284	0.009369	0.047213	0.003331	0.070545

LOC104972428	1	0.071728	0.031501	0.017406	0.047735	0	0	0	0	0	0	0.033674	0	0
LOC104972443	1	0	0.00368	0	0	0	0	0	0	0	0	0.000736	0	0
LOC104972445	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972470	1	0.000579	0.001308	0.026564	0.011101	0	0	0	0	0.002994	0.038512	0.00791	0.008301	1.049421
LOC104972477	1	0.146583	0.081158	0.067265	0.060125	0.034051	0.01194	0.013332	0.014741	0.026537	0.035081	0.077836	0.020326	0.261138
LOC104972499	0.881235	0.214639	0.060598	0.039064	0.053565	0.364037	0	0	0	0	0	0.14638	0	0
LOC104972501	1	0.138187	0	0	0	0	0	0	0	0	0	0.027637	0	0
LOC104972518	1	0.011947	0.011993	0.055083	0.023852	0.014409	0	0	0.003431	0.123525	0.008827	0.023457	0.027156	1.157714
LOC104972526	1	0.069487	0.056675	0	0	0.157138	0	0.02461	0.129701	0	0	0.05666	0.030862	0.54469
LOC104972542	1	0.220789	0.218171	0.331509	0.520699	0.11234	0	0	0	0.499363	0	0.280702	0.099873	0.355796
LOC104972545	1	0	0.006256	0	0	0	0	0	0	0	0	0.001251	0	0
LOC104972548	1	0.048315	0.038973	0.030148	0.033072	0.112382	0.577943	0.161335	0.035677	1.320229	0.527793	0.052578	0.524595	9.977421
LOC104972552	1	0.036717	0.041465	0	0	0	0	0	0	0	0	0.015636	0	0
LOC104972566	1	0.000819	0.002773	0	0	0	0	0	0	0	0	0.000718	0	0
LOC104972567	1	0.303811	0.307439	0.406076	0.22189	0.253236	0.029375	0.03131	0.103361	0.203125	0.090976	0.298491	0.09163	0.306977
LOC104972568	1	0.017589	0.006621	0.038414	0.024582	0.007955	0	0	0.007576	0.037887	0.012183	0.019032	0.011529	0.605779
LOC104972569	1	0	0	0	0	0	0.147411	0	0	0.036404	0	0	0.036763	#DIV/0!
LOC104972570	1.69E-06	4.625374	1.630141	1.42372	1.710554	15.87922	0	0	0	0	0	5.053802	0	0
LOC104972574	1	0.002418	0.003823	0	0	0.002625	0.012655	0.008222	0.016249	0	0	0.001773	0.007425	4.187321
LOC104972578	1	0	0.008189	0	0	0	0	0	0	0	0	0.001638	0	0
LOC104972581	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972584	0.215961	0.572652	0.167663	0.602165	0.978152	0.057555	0	0	0	0	0	0.475638	0	0
LOC104972586	1	0.031427	0.021295	0.027454	0.030117	0.068226	0	0.013356	0	0.032493	0.052242	0.035704	0.019618	0.549475
LOC104972592	1	0.142324	0.147471	0.189061	0.031637	0.045789	0.046072	0.032737	0.041712	0.121363	0.050001	0.111257	0.058377	0.524707
LOC104972593	0.387573	0.406151	0.270287	0.047519	0.230231	0.354266	0	0.007706	0	0.018747	0.024113	0.261691	0.010113	0.038645
LOC104972595	1	0	0.026501	0.111041	0.07496	0.116746	0.081871	0	0.040432	0	0	0.06585	0.024461	0.371461
LOC104972597	1	0.00528	0.002981	0	0.006325	0	0.03454	0.078538	0.303619	0.040943	0.010971	0.002917	0.093722	32.12707
LOC104972612	1	0.333107	0.680706	0	0	0.990032	0	0	0	0	0	0.400769	0	0
LOC104972617	1	0.569549	0.627115	0.746324	0.97222	0.927341	0	0	0	0	0.071009	0.76851	0.014202	0.01848
LOC104972622	1	0.072493	0.081867	0.378842	0.024811	0	0	0.016505	0	0.133844	0.086077	0.111603	0.047285	0.423692
LOC104972627	1	0.159951	0.060211	0.349326	0.590779	0.289369	0	0	0	0.275629	0	0.289927	0.055126	0.190137
LOC104972658	1	0.014491	0.011552	0.010239	0.011998	0.001735	0.026766	0.008151	0.008262	0.089237	0.008148	0.010003	0.028113	2.810403
LOC104972660	1	0.002119	0.000638	0.003394	0.000846	0	0.004436	0.001201	0.002921	0.002922	0.001409	0.0014	0.002578	1.841861
LOC104972669	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972688	1	0.147054	0	0	0	0	0	0	0	0	0	0.029411	0	0
LOC104972699	1	0.003371	0.000381	0.002944	0.005653	0	0.003528	0	0	0.003485	0.003362	0.00247	0.002075	0.840163
LOC104972713	1	0	0.030106	0	0.015967	0	0	0	0	0	0	0.009215	0	0
LOC104972724	1	0.017415	0.025717	0.374475	0.256748	0	0	0	0.003462	1.011069	0.487675	0.134871	0.300441	2.227621
LOC104972733	1	0.004166	0.000941	0.005459	0.000998	0	0	0.001771	0.00646	0	0.00277	0.002313	0.0022	0.951284
LOC104972734	1	0.023146	0.006948	0.006399	0.001755	0.00318	0	0	0.000757	0.003029	0.009254	0.008286	0.002608	0.314769
LOC104972737	1	0	0	0.031543	0.005767	0	0	0	0	0	0.008003	0.007462	0.001601	0.214501
LOC104972780	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972787	1	0.003305	0.014931	0	0.003959	0.017939	0	0	0	0	0	0.008027	0	0
LOC104972795	1	0	0	0	0	0	0	0	0.055791	0	0.035885	0	0.018335	#DIV/0!
LOC104972797	1	1.528091	0.919675	0	0	0.347631	0.550692	0.223604	0.981404	0	0	0.559079	0.35114	0.628068
LOC104972801	1	0	0.002819	0	0	0	0	0	0	0	0	0.000564	0	0

LOC104972805	1	0.003815	0	0.016663	0	0	0	0	0	0	0.03805	0.004096	0.00761	1.858075
LOC104972815	1	0.004187	0.003415	0.023369	0.01031	0.002525	0.003652	0.001977	0.002405	0.00962	0.008507	0.008761	0.005232	0.597207
LOC104972817	1	0	0	0	0.012856	0	0	0	0.055472	0	0.0892	0.002571	0.028934	11.25355
LOC104972821	0.012909	0.166976	0.350197	0.879839	1.63191	0.187002	0	0	0.041099	0.013702	0.004406	0.643185	0.011841	0.01841
LOC104972824	1	0.163895	0.092544	0.3254	0.142785	0.121297	0	0	0	0	0.024768	0.169184	0.004954	0.029279
LOC104972827	1	0.097339	0.080282	0.047772	0.035373	0.029679	0	0	0.00848	0.016962	0	0.058089	0.005088	0.087596
LOC104972830	1	0.036468	0.12355	0.079644	0.174738	0.791691	2.862714	0.077492	0.376995	0.7541	4.304129	0.241218	1.675086	6.944278
LOC104972839	1	0.016883	0.024362	4.0394	4.714318	0.00509	0.004908	0.003986	0.002424	3.059529	2.39327	1.760011	1.092824	0.620919
LOC104972843	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972855	1	0.016376	0	0	0	0	0	0	0.030231	0	0	0.003275	0.006046	1.846031
LOC104972858	1	0	0	0	0.071877	0.081414	0	0	0	0	0	0.030658	0	0
LOC104972869	1	0	0	0.005482	0.009021	0	0	0	0	0	0	0.002901	0	0
LOC104972872	1	0.015371	0.007121	0.002582	0.001416	0.003209	0	0.000837	0.006112	0.012225	0.005897	0.00594	0.005014	0.844138
LOC104972888	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972891	1	0.009215	0.109273	0	0	0	0.409929	0.63642	1.810057	0.5955	0.773609	0.023698	0.845103	35.66188
LOC104972906	1	0.043104	0.040024	0.046023	0.029833	0	0	0.002035	0	0	0	0.031797	0.000407	0.012803
LOC104972909	1	0	0	0	0.110734	0	0	0	0	0	0	0.022147	0	0
LOC104972955	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972957	1	0	0	0.040651	0.078039	0.101021	0	0	0	0	0	0.043942	0	0
LOC104972958	1	0.094488	0.15849	0.09104	0.096542	0.090497	0	0.017716	0.014365	0.06465	0.023099	0.106211	0.023966	0.225644
LOC104972961	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972971	1	0.001789	0.00202	0.001953	0.002143	0	0	0	0	0	0	0.001581	0	0
LOC104973005	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973018	1	0.005436	0.004604	0.005936	0.006512	0	0	0	0	0.007025	0.004518	0.004497	0.002309	0.513331
LOC104973030	1	0	0	0	0.009394	0	0	0	0	0	0	0.001879	0	0
LOC104973042	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973050	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973054	0.000793	0.498209	0.551741	0.403639	0.383108	1.4392	0.021027	0.011953	0.031151	0.112162	0.020037	0.655179	0.039266	0.059931
LOC104973058	0.362046	0.061026	0.031587	0.077746	0.109655	0.055202	0	0	0	0	0	0.067043	0	0
LOC104973073	1	0.030008	0.028372	0.036579	0.015047	0.01515	0.003652	0.011863	0.007214	0.054115	0.015081	0.025031	0.018385	0.734496
LOC104973083	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973084	1	0	0	0.04817	0.079263	0	0	0	0	0	0.018332	0.025487	0.003666	0.143859
LOC104973089	1	0.123086	0	0.112006	0	0.027835	0	0	0	0	0.034102	0.052585	0.00682	0.1297
LOC104973090	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973096	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973098	1	0.035785	0.034902	0.021315	0.023382	0.017656	0	0.017282	0.016816	0	0.002704	0.026608	0.00736	0.276621
LOC104973099	1	0.094449	0.054699	0.042313	0.078328	0.177441	0.114066	0.041169	0.150215	0.01252	0.024155	0.089446	0.068425	0.764985
LOC104973100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973101	1	0.021908	0	0	0.00328	0.014863	0	0	0	0	0	0.00801	0	0
LOC104973102	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973105	1	0.078223	0.046272	0.01627	0.008924	0.010108	0.009747	0.007915	0	0.057769	0.068112	0.031959	0.028709	0.898285
LOC104973107	1	0.23069	0.076623	0.059273	0.032511	0	0	0.144178	0.280567	0.35076	0.135347	0.079819	0.18217	2.282283
LOC104973108	1	0	0.02507	0.009697	0.015956	0.036145	0	0	0	0	0	0.017374	0	0
LOC104973117	1	0.084314	0.107118	0	0.100999	0.0572	0	0	0	0.108968	0.035039	0.069926	0.028801	0.411884
LOC104973118	1	0.943614	1.364116	0.474743	0.757512	1.13956	0.478311	0.76111	0.006384	1.443011	0.008213	0.935909	0.539406	0.576344
LOC104973119	1	0	0.002088	0	0.002215	0	0.009676	0	0	0.009558	0	0.000861	0.003847	4.470165

LOC104973122	1	0.002724	0.000615	0.005948	0.00261	0	0.002851	0	0	0.002816	0.009055	0.002379	0.002944	1.237429
LOC104973139	1	2.459503	4.110938	1.68498	2.027124	5.980248	0	0.987294	1.960913	0.749222	0.311776	3.252559	0.801841	0.246526
LOC104973145	1	0.006314	0.003743	0.003102	0.002647	0	0.004956	0.006708	0.017541	0.039167	0.013119	0.003161	0.016298	5.155594
LOC104973153	1	0.001965	0.000986	0	0	0.000593	0.006857	0.008817	0.021447	0	0	0.000709	0.007424	10.4728
LOC104973154	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973158	1	0.007519	0.016983	0.361284	0.246202	0.013603	0	0	0	0	0.016666	0.129119	0.003333	0.025815
LOC104973164	1	0.002152	0.00216	0	0	0.002595	0.136394	0.131087	0.193421	0	0	0.001382	0.09218	66.72407
LOC104973172	1	0.049079	0.008302	0.003305	0.001813	0	0.003394	0.000919	0	0.006706	0.003235	0.0125	0.002851	0.228072
LOC104973175	1	0.105173	0.152707	0.082033	0.071992	0.020386	0	0	0	0	0	0.086458	0	0
LOC104973205	1	0.141711	0.225932	0	0	0.113105	0	0	0	0	0	0.09615	0	0
LOC104973208	1	0.001166	0	0.002546	0.001396	0	0	0	0.003013	0.018078	0.007751	0.001022	0.005768	5.646626
LOC104973209	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973214	1	0	0	0	0.009846	0	0	0	0	0.014163	0.043266	0.001969	0.011486	5.832962
LOC104973215	1	0.005267	0.000991	0	0.00631	0.002382	0.009189	0.007462	0.013613	0.031769	0.039403	0.00299	0.020287	6.784573
LOC104973218	0.046849	2.302422	2.830028	4.361522	4.465024	2.628738	0.036736	0.201369	0.226771	0.925361	0.390907	3.317547	0.356229	0.107377
LOC104973224	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973229	1	0.262731	0.3	0.038253	0.034969	0.255479	0.026735	0.017059	0.016975	0	0	0.178287	0.012154	0.068171
LOC104973233	1	0.059324	0.024928	0.030131	0.019832	0	0	0	0	0	0	0.026843	0	0
LOC104973250	1	0.053863	0.066357	0	0	0.039863	0	0.026013	0	0	0	0.032017	0.005203	0.162494
LOC104973252	1	0.048412	0.061593	0.136513	0.113783	0.058204	0.064141	0.042972	0.014254	0.028512	0.009168	0.083701	0.03181	0.380039
LOC104973254	1	0	0	0	0.009041	0	0	0	0.019507	0	0	0.001808	0.003901	2.157489
LOC104973258	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973262	1	0	0.007855	0	0	0	0	0	0	0	0.005781	0.001571	0.001156	0.735998
LOC104973263	1	0.010584	0.013945	0.003853	0.024301	0.038296	0.004616	0.044982	0.036473	0.086635	0.051317	0.018196	0.044805	2.462353
LOC104973285	1	0	0.001157	0	0	0	0.005361	0	0	0	0	0.000231	0.001072	4.63411
LOC104973297	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973309	1	0.006599	0	0	0	0	0	0	0	0	0	0.00132	0	0
LOC104973311	1	0.00442	0.016222	0.004826	0	0	0	0	0	0	0	0.005094	0	0
LOC104973318	1	0.053537	0.036276	0	0	0	0	0	0	0	0	0.017963	0	0
LOC104973320	1	0	0	0	0	0	0	0	0	0.008021	0.005159	0	0.002636	#DIV/0!
LOC104973321	1	0.002959	0.006682	0.004308	0	0.005352	0	0	0	0	0.006557	0.00386	0.001311	0.339753
LOC104973322	1	0.154501	0.117672	0	0	0.28276	0	0	0	0	0	0.110987	0	0
LOC104973330	1	0	0	0.222917	0	0	0	0.072298	0	0.351777	0.056558	0.044583	0.096127	2.156107
LOC104973347	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973361	1	0.004096	0.004626	0.008946	0.004907	0	0.042873	0	0.010586	0.052939	0.054473	0.004515	0.032174	7.126242
LOC104973365	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973374	1	0.047054	0.029317	0.007087	0.011662	0	0	0.003448	0	0.142595	0.06743	0.019024	0.042695	2.244247
LOC104973382	1	0.023673	0	0	0	0	1.56928	0.804876	0.876949	0	0	0.004735	0.650221	137.3317
LOC104973383	1	0.002426	0.004567	0.015897	0.004844	0	0	0	0	0.004181	0.002689	0.005547	0.001374	0.247708
LOC104973384	1	0.017046	0.014116	0	0	0	0.005947	0	0.026432	0.023499	0.013223	0.006232	0.01382	2.217468
LOC104973388	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973390	1	0.068715	0.083489	0.076375	0.054018	0.029968	0.028897	0.008474	0.02537	0.069777	0.060173	0.062513	0.038538	0.616484
LOC104973394	1	0.001766	0.001995	0.002893	0.001587	0.004794	0	0	0	0.015981	0.006607	0.002607	0.004518	1.73282
LOC104973398	1	0.005908	0.012232	0.002151	0.005898	0.002672	0	0.002092	0	0	0	0.005772	0.000418	0.0725
LOC104973403	1	0	0	0	0.016758	0	0	0	0	0	0	0.003352	0	0
LOC104973410	1	0.005268	0	0	0	0	0	0	0	0	0	0.001054	0	0

LOC104973427	1	0	0	0.192793	0.035249	0.029944	0	0	0	0.133105	0.067258	0.051597	0.040073	0.776643
LOC104973431	1	2.597775	2.493909	0.419856	0.212575	0.749094	0.103188	0.125696	0.343971	0.025483	0	1.294642	0.119668	0.092433
LOC104973438	1	0.007683	0.004338	0.016779	0.018407	0	0	0	0	0.119154	0.012772	0.009441	0.026385	2.794617
LOC104973452	1	0.011335	0.016292	0	0.004937	0	0.016178	0	0	0	0.001713	0.006513	0.003578	0.549408
LOC104973468	1	0.003158	0.01248	0.013792	0.007565	0	0	0	0.00408	0	0	0.007399	0.000816	0.110293
LOC104973478	0.007298	0.158138	0.160425	0.310245	0.253647	0.203657	0	0.011391	0.013854	0	0	0.217222	0.005049	0.023244
LOC104973485	1	0.471075	0.479374	0.497446	0.226339	0.653219	0.054182	0.055001	0.080273	0.214091	0.154896	0.465491	0.111688	0.239937
LOC104973489	1	0.019584	0	0	0	0.212576	0	0	0	0	0	0.046432	0	0
LOC104973503	1	0	0.005908	0	0	0	0	0	0	0	0	0.001182	0	0
LOC104973514	0.148662	0.046765	0.211249	0.36768	0.403342	0.050762	0	0	0	0	0	0.215959	0	0
LOC104973517	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973519	1	0.011646	0	0.105975	0.144155	0	0	0	0	0	0	0.052355	0	0
LOC104973526	1	0.02352	0.066404	0	0.028175	0.127652	0	0	0	0	0	0.04915	0	0
LOC104973551	1	0.313727	0.316774	0.397003	0.373537	0.171301	0.166419	0.262224	0.333646	0.711554	0.201191	0.314468	0.335007	1.065312
LOC104973559	1	0	0	0.056954	0.046859	0	0	0	0	0.112347	0.079477	0.020763	0.038365	1.847779
LOC104973568	0.950051	0.036327	0.054699	0.052891	0.021758	0	2.027832	0.553212	1.110963	0.093898	0.241548	0.033135	0.805491	24.30956
LOC104973577	1	0.077532	0.190565	0.109564	0.054632	0.16089	0	0	0	0	0.022744	0.118637	0.004549	0.038343
LOC104973586	1	0	0.050022	0	0	0	0	0	0	0	0	0.010004	0	0
LOC104973587	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973604	1	0.022693	0.011649	0	0.006178	0	0.03239	0.013152	0.010664	0.122649	0.018862	0.008104	0.039543	4.87939
LOC104973609	1	0.002897	0.00279	0.00428	0.001123	0	0.000446	0.001448	0.005064	0.007928	0.007506	0.002218	0.004479	2.019336
LOC104973643	1	0.031565	0	0	0	0	0	0	0	0	0	0.006313	0	0
LOC104973650	1	0.895875	0.697193	0	0	0.277121	0.072877	0.167682	0.143959	0	0.015433	0.374038	0.07999	0.213856
LOC104973656	1	1.858309	0.254533	0	0	0.049929	0	0.009774	0.368524	0	0	0.432554	0.07566	0.174913
LOC104973657	1	0.067075	0.151495	0	0	0.091009	0	0	0	0	0	0.061916	0	0
LOC104973658	1	0	0	0	0.005027	0	0	0	0	0.021696	0.076742	0.001005	0.019688	19.58046
LOC104973680	1	0.031287	0.041115	0.060876	0.111755	0.021612	0	0	0	0.017645	0.007565	0.053329	0.005042	0.094545
LOC104973683	1	0	0.004409	0.034102	0.003118	0	0	0.00553	0	0	0.004326	0.008326	0.001971	0.23677
LOC104973684	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973699	1	0.100858	0.164855	0.023186	0.069947	0.072025	0	0	0	0	0.008824	0.086174	0.001765	0.02048
LOC104973706	1	0.186624	0.328293	0.266495	0.090282	0.146088	0	0	0	0.074214	0.065626	0.203557	0.027968	0.137397
LOC104973708	1	0.033756	0.014045	0.01552	0.019154	0.009642	0.009298	0.037753	0.041325	0	0.023627	0.018424	0.0224	1.215858
LOC104973714	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973722	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973730	1	0.031879	0.014302	0.002861	0.003139	0.014221	0	0.005568	0.005643	0.620826	0.732464	0.01328	0.2729	20.5495
LOC104973733	1	0.030025	0	0	0	0	0	0	0	0	0	0.006005	0	0
LOC104973739	1	0.009919	0.009601	0	0	0.011535	0	0.003011	0.007324	0	0	0.006211	0.002067	0.332796
LOC104973745	1	0	0	0	0	0.039219	0.151268	0	0.018676	0	0	0.007844	0.033989	4.333199
LOC104973746	1	0.011229	0	0	0	0.015236	0	0	0.014511	0	0	0.005293	0.002902	0.548287
LOC104973755	1	0.014238	0.005474	0.011909	0.010887	0.008221	0	0.003219	0	0.012529	0.008561	0.010146	0.004862	0.479186
LOC104973756	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973760	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973765	1	0.017643	0	0	0	0.047877	0	0.03749	0	0	0.014664	0.013104	0.010431	0.796009
LOC104973767	1	0.016523	0.015352	0.214223	0.074158	0.001135	0.002189	0.003111	0.01027	0.470326	0.200606	0.064278	0.1373	2.136028
LOC104973774	1	0.04911	0	0.045966	0.004202	0	0.018358	0.014908	0.099723	0	0.034987	0.019855	0.033595	1.691989
LOC104973781	1	0.084314	0	0	0.050499	0	0	0	0	0	0	0.026963	0	0

LOC104973792	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973793	1	0.037028	0.011947	0.017329	0.041187	0.014354	0	0	0	0	0	0.024369	0	0
LOC104973799	1	0.008403	0.004745	0.027528	0	0	0	0	0	0	0	0.008135	0	0
LOC104973803	1	0.061983	0.209994	0.203053	0.222748	0	0.324378	0.065855	0.800959	3.364517	0.360628	0.139555	0.983268	7.045712
LOC104973807	1	0	0.054175	0	0.014366	0	0	0	0	0	0	0.013708	0	0
LOC104973823	1	0	0	0.040401	0.02216	0	0	0.058963	0.131475	0.47816	0.876407	0.012512	0.309001	24.69631
LOC104973826	1	0.00523	0.478407	0.296974	0.532522	0.028385	0.164221	0.022227	0.013517	0.270371	0.678131	0.268304	0.229693	0.856095
LOC104973827	1	0	0	0.047727	0.031414	0	0	0	0	0	0	0.015828	0	0
LOC104973829	0.033252	0.052684	0.033466	0.03236	0.042402	0.113926	0.004308	0	0	0	0	0.054968	0.000862	0.015675
LOC104973830	0.004948	0.198965	0.284878	0.271582	0.165986	0.69419	0	0.0151	0	0	0	0.32312	0.00302	0.009346
LOC104973848	0.024374	0.336018	0.410827	0.551903	0.472371	0.211005	0.014533	0	0.014354	0.057424	0.004616	0.396425	0.018186	0.045874
LOC104973850	1	0.121745	0.179272	0.164223	0.244491	0.174904	0	0.005073	0.015424	0.123407	0.035714	0.176927	0.035923	0.203041
LOC104973860	1	0.159965	0.338717	0.425779	0.505999	0.203481	0.052322	0.010622	0.071057	0.077528	0.054014	0.326788	0.053108	0.162516
LOC104973870	1	0.00609	0	0	0	0	0	0	0	0	0	0.001218	0	0
LOC104973875	1	0.000624	0.003525	0	0	0	0.016333	0	0.001613	0	0	0.00083	0.003589	4.325729
LOC104973884	0.002933	0.572808	0.320891	0.256108	0.316067	0.45286	0	0	0	0.011658	0.02999	0.383747	0.00833	0.021706
LOC104973892	1	0.012249	0.002767	0.00535	0	0	0	0	0	0	0.004073	0.004073	0.000815	0.199962
LOC104973895	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973896	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104973899	1	0	0.007854	0	0	0	0.054594	0.007389	0.026961	0	0.011561	0.001571	0.020101	12.79677
LOC104973920	1	0.038564	0	0	0	0	0	0.081947	0	0	0	0.007713	0.016389	2.12495
LOC104973928	1	0.001729	0.001952	0	0.004142	0	0	0	0	0	0.011495	0.001565	0.002299	1.469436
LOC104973929	1	0.014011	0.016209	0.011195	0.010234	0.011128	0.032191	0.049379	0.012365	0.017666	0.02954	0.012555	0.028228	2.2483
LOC104973934	1	0.474664	0.214416	0	0	0.085872	0.33121	0.369834	0.28624	0	0	0.154991	0.197457	1.273992
LOC104973937	1	0	0.018363	0	0	0	0	0	0	0	0	0.003673	0	0
LOC104973964	1	0.064109	0.003448	0.100008	0.021942	0	0	0	0	0	0	0.037901	0	0
LOC104973965	1	0	0	0.033593	0	0	0	0	0	0	0	0.006719	0	0
LOC104973970	1	0.010067	0.045477	0	0.01206	0	0	0	0	0	0	0.013521	0	0
LOC104973986	1	0.025632	0.016541	0	0.004386	0	0	0	0	0.01893	0	0.009312	0.003786	0.406574
LOC104973989	1	0.016289	0.017714	0.080373	0.034689	0.016372	0.015786	0.008974	0.010914	0.02807	0.03811	0.033088	0.020371	0.615667
LOC104973994	1	0.003865	0.00119	0.002302	0.002525	0	0.001839	0.00224	0.00454	0.012715	0.010513	0.001977	0.006369	3.222503
LOC104974006	1	0.003394	0.003066	0.004448	0.001626	0.001842	0.01421	0.002164	0.02807	0.014037	0.013541	0.002875	0.014404	5.009706
LOC104974017	1	0.038297	0.025743	0.045802	0.038229	0.180631	0.014316	0	0.016496	0.103704	0.048504	0.06574	0.036604	0.556795
LOC104974020	1	0.02175	0.073686	0.213752	0.143296	0.236086	0	0	0	0	0.072311	0.137714	0.014462	0.105015
LOC104974028	1	0	0	0.051485	0.009413	0	0	0	0	0	0	0.01218	0	0
LOC104974034	1	0.833267	0.970267	0.688326	0.801635	1.054451	0	0.027523	0.011158	0.892785	0.466507	0.869589	0.279595	0.321525
LOC104974036	1	0.005426	0	0	0	0	0	0	0	0	0.013529	0.001085	0.002706	2.4935
LOC104974050	0.685628	0.054372	0.102337	0.098955	0.119408	0.135251	0	0	0	0	0	0.102064	0	0
LOC104974055	1	0.787508	0.693953	0.416942	0.643194	1.343744	0.156109	0.507096	1.218079	0.030842	0.238018	0.777068	0.430029	0.553399
LOC104974057	1	0.067219	0.121457	0.146803	0.016104	0.218891	0.140711	0	0	0	0	0.114095	0.028142	0.246656
LOC104974070	0.396712	0.141904	0.079161	0.164291	0.143361	0.041756	0	0	0.013256	0.008838	0.005684	0.114095	0.005556	0.048694
LOC104974071	1	0.093198	0.064507	0.026263	0.032412	0.065267	0	0.006388	0	0.217587	0.014993	0.056329	0.047794	0.848466
LOC104974087	1	0	0	0	0	0	0	0	0	0	0.007443	0	0.001489	#DIV/0!
LOC104974100	1	0.067259	0.111402	0.105271	0.025513	0.066923	0.023466	0.04764	0.159341	0.179647	0.048449	0.075274	0.091709	1.218336
LOC104974103	1	0.000843	0.007613	0.003681	0.008076	0.004574	0	0.016116	0.039202	0.021782	0.005603	0.004957	0.016541	3.336705
LOC104974106	1	0	0.00331	0	0	0	0	0.003114	0	0	0	0.000662	0.000623	0.940821

LOC104974113	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974115	1	0	0	0	0	0	0	0	0	0.066775	0	0	0.013355	#DIV/0!
LOC104974119	1	0.232533	0.05252	0.067712	0.12999	0.210339	0.121692	0.049412	0.140226	0.120211	0.077309	0.138619	0.10177	0.734172
LOC104974137	0.005099	0.048934	0.02171	0.07061	0.030355	0.059281	0	0	0	0	0	0.046178	0	0
LOC104974144	0.037272	0.2041	0.197564	0.135316	0.161538	0.751669	0.019074	0	0	0	0	0.290038	0.003815	0.013153
LOC104974153	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974154	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974155	3.48E-08	0.066208	0.242998	0.385586	0.198274	0.029944	5.341658	7.69093	9.653439	6.33198	4.73254	0.184602	6.750109	36.56575
LOC104974160	0.324875	0.210548	0.15131	0.033442	0.045857	0.425921	0	0	0	0	0	0.173416	0	0
LOC104974161	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974165	1	0	0	0	0.044638	0	0.097506	0.079183	0	2.022716	0.185834	0.008928	0.477048	53.4353
LOC104974169	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974177	0.048799	0.007707	0.006829	0.002072	0.002415	0.000965	0.019856	0.041823	0.079365	0.194916	0.038631	0.003997	0.074918	18.74185
LOC104974178	1	0.042539	0.01201	0	0	0	0	0	0	0	0	0.01091	0	0
LOC104974191	1	0.005188	0	0	0.080792	0.168945	0	0	0	0	0	0.050985	0	0
LOC104974207	1	0.025108	0	0.041126	0.09775	0.017034	0	0	0	0	0	0.036204	0	0
LOC104974214	1	2.703862	0.74274	0	0	0	0	0	0	0	0	0.68932	0	0
LOC104974222	1	0.027464	0.026219	0.014222	0.009836	0.015366	0.004445	0.007821	0.008781	0.038056	0.030593	0.018621	0.017939	0.963367
LOC104974223	1	0.060551	0.170951	0.06612	0.302223	0.219087	0	0	0	0	0	0.163787	0	0
LOC104974237	1	0.01749	0.005643	0.03547	0.025441	0.033902	0	0.005309	0.003229	0	0	0.023589	0.001708	0.07239
LOC104974239	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974241	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974249	1	0.003373	0.002116	0.001637	0.001796	0.001017	0.001961	0.000796	0.002905	0.005812	0.004361	0.001988	0.003167	1.593414
LOC104974257	1	0.059118	0.059289	0.041431	0.037522	0.047489	0.004618	0.004062	0.014062	0.019006	0.005867	0.04897	0.009523	0.194469
LOC104974259	1	0.022378	0.025272	0.024437	0.026807	0.151817	0	0.011888	0	0	0.0093	0.050142	0.004238	0.084512
LOC104974260	1	0	0	0	2.089054	0	2.340155	3.800802	7.165151	1.155838	7.805022	0.417811	4.453394	10.65888
LOC104974261	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974262	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974269	1	0	0	0.061702	0.09307	0	0	0	0	0.255597	0.90995	0.030954	0.233109	7.530725
LOC104974272	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974280	1	0.003176	0.000717	0.027742	0.00913	0	0.006648	0.006748	0.001641	0.026267	0.005279	0.008153	0.009317	1.142738
LOC104974294	1	0.007541	0	0.016469	0.022583	0.020464	0	0	0.009745	0.077969	0.075214	0.013411	0.032585	2.429668
LOC104974297	1	0.018756	0.031772	0.010241	0.031829	0.012724	0	0	0	0.00808	0.002598	0.021064	0.002136	0.101388
LOC104974303	1	0.007787	0.033417	0.003401	0.007462	0.054942	0	0	0	0	0.005178	0.021402	0.001036	0.048387
LOC104974315	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974316	1	1.092129	1.349303	0	0	1.342521	0	0.148764	0.024124	0	0	0.756791	0.034578	0.04569
LOC104974324	1	0	0.019387	0	0	0	0	0.01824	0	0	0	0.003877	0.003648	0.940821
LOC104974327	1	0.017286	0.039042	0.018876	0.010353	0	0	0	0	0	0	0.017111	0	0
LOC104974328	1	0.007288	0.01404	0.007022	0.002568	0.013379	0.004487	0.010932	0.01662	0.05319	0.019954	0.008859	0.021037	2.374511
LOC104974330	0.000218	0.915648	0.817353	1.058685	0.947645	1.626061	0	0	0	0.087014	0.011192	1.073078	0.019641	0.018304
LOC104974336	1	0.046917	0.021193	0.020493	0.00562	0	0	0	0	0	0	0.018845	0	0
LOC104974339	1	0.002012	0	0	0	0	0	0	0	0	0	0.000402	0	0
LOC104974340	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974341	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974343	1	0.187434	0.070557	0.05458	0.037421	0	0	0	0	0	0	0.069998	0	0
LOC104974344	1	0	0	0	0	0	0	0	0	0	0.128214	0	0.025643	#DIV/0!

LOC104974345	1	0.057654	0	0	0.034532	0	0	0	0	0	0	0.018437	0	0
LOC104974348	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974354	1	0.001304	0.002944	0.005694	0	0	0	0.00554	0.016845	0.013478	0.013002	0.001988	0.009773	4.915129
LOC104974360	1	0.009184	0	0	0	0	0	0	0	0	0	0.001837	0	0
LOC104974370	1	0.003772	0.000609	0.010592	0	0	0	0.00229	0.002785	0.002786	0	0.002995	0.001572	0.525048
LOC104974385	1	0.010248	0.003858	0.029841	0.008184	0.027809	0	0	0	0	0	0.015988	0	0
LOC104974401	1	0.065124	0.067888	0.142229	0.060009	0.203915	0	0.010645	0	0	0.091603	0.107833	0.02045	0.189642
LOC104974403	0.204234	0.071902	0.09744	0.062813	0.103358	0.351215	0.752577	3.300237	1.56095	3.642747	2.318797	0.137345	2.315062	16.85577
LOC104974416	1	0.009364	0.010575	0	0.001869	0	0	0	0	0	0	0.004362	0	0
LOC104974419	1	0	0	0.007707	0.002114	0	0.018468	0.014998	0.022801	0	0	0.001964	0.011253	5.72938
LOC104974427	1	0.011221	0.009856	0.010892	0.004481	0.013534	0	0	0	0.096684	0	0.009997	0.019337	1.934294
LOC104974435	1	0	0.005822	0.045036	0.030878	0	0	0	0	0.159907	0.01714	0.016347	0.035409	2.166088
LOC104974443	1	0.178411	0.128854	0	0	0.337778	0	0	0.010723	0	0	0.129009	0.002145	0.016624
LOC104974444	1	0.079951	0.028215	0.114587	0.038907	0.1017	0	0.010618	0	0	0.01246	0.072672	0.004616	0.063513
LOC104974445	1	0.059878	0.074383	0	0	0.048747	0.031336	0.069981	0.32498	0	0	0.036602	0.08526	2.329384
LOC104974451	1	0.182727	0.432054	0.212005	0.184686	0.511356	0	0.024268	0	0.088559	0.246799	0.304566	0.071925	0.236157
LOC104974455	1	0.022462	0	0	0	0	0	0	0	0	0	0.004492	0	0
LOC104974459	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974460	1	0.031066	0.086113	0.012336	0.020298	0.17627	0	0	0.021897	0	0	0.065217	0.004379	0.067151
LOC104974468	0.000772	5.03811	6.544536	0	0	5.776417	0	0	0	0	0	3.471813	0	0
LOC104974473	1	0.041853	0.050901	0	0	0.091735	0	0.006841	0.008321	0	0	0.036898	0.003032	0.082183
LOC104974474	1	0.001679	0.002844	0	0	0.002278	0	0	0	0	0	0.00136	0	0
LOC104974480	1	0.002304	0	0	0.00552	0.012504	0	0	0	0.01191	0	0.004065	0.002382	0.585919
LOC104974486	1	0.009188	0.005188	0	0.001834	0	0.008014	0.003254	0.007915	0	0	0.003242	0.003836	1.183392
LOC104974498	1	0	0.0037	0	0	0	0	0	0	0	0	0.00074	0	0
LOC104974508	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974514	0.329154	0	0.009254	0	0	0	1.929709	2.141682	1.291809	0	0	0.001851	1.07264	579.5769
LOC104974516	0.005074	0.705694	0.350656	0.493187	0.360681	0.331937	0	0	0	0	0	0.448431	0	0
LOC104974529	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974530	1	0.000975	0.003852	0.002128	0.004086	0	0.00255	0	0	0	0.00243	0.002208	0.000996	0.451063
LOC104974538	1	0.079425	0.048297	0	0	0	0	0	0	0	0	0.025544	0	0
LOC104974541	1	0.009452	0.042696	0	0.124546	0.051299	0	0	0	0	0	0.045598	0	0
LOC104974542	1	0.514602	0.774857	1.407123	1.12262	0.635787	1.007168	0.880137	0.832576	7.180664	0.632887	0.890998	2.106686	2.364413
LOC104974551	1	0.061698	0.083611	0.053898	0.059126	0	0.064577	0.078663	0.031891	0.063791	0.061538	0.051667	0.060092	1.16307
LOC104974553	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974554	1	0.011902	0.040322	0.038989	0.021385	0.177635	0	0	0	0	0	0.058047	0	0
LOC104974558	1	0.012639	0	0	0	0.017148	0	0	0	0	0	0.005957	0	0
LOC104974562	1	0.001924	0	0.004202	0.00461	0	0	0	0	0	0	0.002147	0	0
LOC104974567	1	0.052681	0	0	0	0	0	0	0	0.272343	0.831952	0.010536	0.220859	20.96181
LOC104974569	1	0.011782	0.079834	0	0	0.159866	0.123321	0	0	0	0	0.050296	0.024664	0.490375
LOC104974578	1	0	0	0	0	0	1.402662	1.545892	1.434868	0	0	0	0.876684	#DIV/0!
LOC104974584	1	0.097059	0.109609	0	0	0	0.126985	0	0	0	0	0.041334	0.025397	0.614441
LOC104974614	1	0.066291	0.052404	0.018821	0.014294	0.010794	0.006938	0.001409	0	0	0	0.032521	0.001669	0.051334
LOC104974619	0.594612	0.081027	0.209152	0.10112	0.097062	0.392644	0	0	0	0	0	0.176201	0	0
LOC104974620	0.489458	0.565973	0.308926	0.339917	0.378537	1.011111	0	0	0	0.097529	0.00784	0.520893	0.021074	0.040457
LOC104974633	1	0.008369	0.005401	0	0	0.009733	0	0	0	0	0	0.0047	0	0

LOC104974641	1	0.002745	0.0124	0	0	0	0.014365	0	0.042565	0.085142	0.059319	0.003029	0.040278	13.29802
LOC104974648	1	0	0.005552	0	0	0	0	0	0	0	0	0.00111	0	0
LOC104974658	1	0.018269	0	0	0.021885	0	0	0	0.141648	0.283338	0.091109	0.008031	0.103219	12.85287
LOC104974661	1	0	0	0	0	0.008125	0	0	0	0	0	0.001625	0	0
LOC104974662	1	0.001199	0.001354	0.001309	0.000718	0	0	0.002547	0.001549	0.006197	0.015941	0.000916	0.005247	5.728833
LOC104974666	1	0.019078	0.017954	0	0	0.011505	0	0	0	0	0	0.009707	0	0
LOC104974667	0.014876	3.356279	3.211095	2.835583	2.955081	9.284005	0.101922	0.096564	0.050333	0.100681	0.755412	4.328409	0.220982	0.051054
LOC104974669	1	1.515618	1.453826	1.804576	1.033551	1.313151	0.286689	0.30072	0.507326	0.708	1.419095	1.424144	0.644366	0.452458
LOC104974677	0.913003	0	0	0	0	0	1.869841	1.421129	1.112825	0	0	0	0.880759	#DIV/0!
LOC104974678	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974692	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974695	0.073152	0.112635	0.268533	0.245991	0.294836	1.098094	0.021832	0	0	0	0.013869	0.404018	0.00714	0.017673
LOC104974701	1	0	0	0	0.023386	0	0	0	0	0	0	0.004677	0	0
LOC104974707	1	0	0	0.010512	0.017297	0	0	0	0	0	0	0.005562	0	0
LOC104974710	1	0	0.012917	0	0	0	0	0	0	0	0	0.002583	0	0
LOC104974723	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974735	1	0.011128	0.016756	0.016203	0.008887	0.050331	0	0.007882	0	0	0.018499	0.020661	0.005276	0.255373
LOC104974739	1	0.001367	0.01389	0.014923	0.004911	0	0	0	0	0.021194	0	0.007018	0.004239	0.603995
LOC104974744	1	0	0	0.010605	0.029085	0	0	0	0	0	0	0.007938	0	0
LOC104974749	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974750	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974752	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974754	1	0	0	0	0	0.381048	0	0.074595	0	0	0	0.07621	0.014919	0.195763
LOC104974755	1	0.127266	0.041064	0.238238	0.304903	0.197348	0	0	0	0.093989	0	0.181764	0.018798	0.103418
LOC104974758	1	0.101692	0.04231	0.163646	0.323774	0.196076	0.042015	0.108045	0.242068	0.069172	0.244672	0.1655	0.141194	0.853141
LOC104974762	1	0.075324	0.014177	0	0	0	0.0657	0.026677	0.032445	0	0	0.0179	0.024964	1.394627
LOC104974770	1	0.380326	0.040905	0.435086	0.715928	0.44232	0	0.076969	0	0	0	0.402913	0.015394	0.038206
LOC104974796	1	0	0.019005	0	0	0	0	0	0	0	0	0.003801	0	0
LOC104974812	1	0.044159	0.12966	0	0.01058	0	0	0	0	0	0.014681	0.03688	0.002936	0.079618
LOC104974823	1	0	0.003038	0.005876	0	0	0.00704	0.008576	0.04172	0.048681	0.046961	0.001783	0.030596	17.161
LOC104974829	1	0.020961	0.008877	0.048639	0.037663	0.00711	0	0	0	0	0.004355	0.02465	0.000871	0.035339
LOC104974831	1	0.009866	0.006367	0.012313	0.023637	0	0	0.01198	0	0	0	0.010437	0.002396	0.229578
LOC104974836	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974837	1	0.083227	0.151981	0.278446	0.188787	0.211434	0.027801	0.063968	0.224247	0.201394	0.223716	0.182775	0.148225	0.810971
LOC104974850	1	0.37149	0.839052	0.360586	0.445006	1.232124	0	0	0	0	0	0.649652	0	0
LOC104974868	1	0.096876	0.117818	0.052893	0.042402	0.055611	0.185244	0.285032	0.568148	0.452658	0.297305	0.07312	0.357677	4.891644
LOC104974869	6.70E-09	0.006154	0.024323	0.020159	0.007371	0	0.547467	1.216082	1.153019	1.829193	1.616243	0.011601	1.272401	109.6772
LOC104974870	1	0.009428	0.001775	0.013727	0.005647	0	0.02467	0.023373	0.004061	0	0.007836	0.006115	0.011988	1.960348
LOC104974883	1	0.589431	0.356752	0.454339	0.484562	0.303177	0.020161	0.016373	0.039826	0.159328	0.134487	0.437652	0.074035	0.169164
LOC104974889	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974890	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974891	1	0.059042	0.003175	0	0	0	0	0	0	0	0	0.012443	0	0
LOC104974899	1	0.438806	0.330364	0.468519	0.315386	0.820311	0.102063	0.020721	0.302418	0.403283	0.113469	0.474677	0.188391	0.396882
LOC104974905	1	0.040045	0.045223	0	0	0	0	0	0	0	0	0.017053	0	0
LOC104974912	1	0.086207	0.083447	0.053792	0.081139	0.06684	0	0	0	0	0	0.074285	0	0
LOC104974917	1	0.130942	0	0	0	0	0	0	0	0	0	0.026188	0	0

LOC104974918	1	0.066836	0	0	0	0	0.174887	0.213034	0.2591	4.146207	5.610728	0.013367	2.080791	155.6643
LOC104974921	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974923	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974927	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974928	1	0	0	0	0	0	0	0	0	0	0.007942	0	0.001588	#DIV/0!
LOC104974934	1	1.168042	0.746319	1.376174	0.681185	0.500476	3.177019	3.037221	3.991883	7.428763	1.86503	0.894439	3.899983	4.360255
LOC104974936	1	0.009423	0	0	0	0	0	0	0	0	0	0.001885	0	0
LOC104974937	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974943	1	0.075655	0.036946	0.008931	0.036741	0.066585	0	0	0	0	0	0.044972	0	0
LOC104974944	1	0	0	0.068304	0.112394	0	0	0	0	0	0	0.03614	0	0
LOC104974945	1	0	0	0.019509	0	0	0	0	0	0	0.044547	0.003902	0.008909	2.283466
LOC104974947	1	0	0.006873	0	0.018225	0	0	0	0	0	0	0.00502	0	0
LOC104974955	1	0.039113	0.033128	0.078303	0.027331	0.03538	0.034115	0.020778	0.092662	0.202201	0.135457	0.042651	0.097043	2.275265
LOC104974965	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104974975	1	0.658978	0.914731	2.008859	1.710336	0.968636	0	0	0	0.28389	0.022822	1.252308	0.061342	0.048983
LOC104974989	1	0	0	0.050112	0	0	0	0	0	0	0.019072	0.010022	0.003814	0.380578
LOC104975001	0.006752	0.308466	0.415834	0.352711	0.214741	0.232277	0	0.024023	0.004174	0.033396	0.013423	0.304806	0.015003	0.049222
LOC104975004	1	0.257949	0.246368	0	0	0.223401	0.035902	0.005831	0.031914	0	0	0.145544	0.01473	0.101204
LOC104975006	1	0.002537	0.00573	0.060946	0.036468	0	0	0	0.039339	0.144265	0.219296	0.021136	0.08058	3.81243
LOC104975007	8.38E-08	0.099898	0.05014	0.096966	0.079778	0	4.124315	1.698231	3.52848	8.664683	8.782957	0.065357	5.359733	82.00748
LOC104975009	1	0	0	0.118958	0.052198	0	0	0	0	0	0	0.034231	0	0
LOC104975017	1	0	0.007063	0.068293	0.022475	0	0.130918	0.172764	0.258611	0.387973	0.779723	0.019566	0.345998	17.68351
LOC104975022	1	0.213867	0.216098	0.49166	0.33035	0.152727	0	0	0.014545	0.174571	0.140336	0.28094	0.06589	0.234535
LOC104975027	1	0.012073	0.040901	0	0.004821	0.218406	0.673916	0.436111	0.457612	0	0	0.05524	0.313528	5.675734
LOC104975030	1	0.05494	0.038181	0	0.005062	0	0	0	0	0	0	0.019637	0	0
LOC104975034	1	0.056264	0.126409	0.018108	0.030507	0.16795	0.023246	0.014473	0.010714	0.078074	0.052672	0.079848	0.035836	0.448802
LOC104975039	1	0	0	0	0	0	0	0	0	0	0.03412	0	0.006824	#DIV/0!
LOC104975041	1	0.037941	0.036726	0	0	0.014709	0	0	0	0.02802	0.01802	0.017875	0.009208	0.515134
LOC104975042	1	0.010826	0.012226	0.023644	0.025937	0.007345	0	0	0	0	0	0.015996	0	0
LOC104975044	1	0.051367	0.087797	0	0	0.060278	0.014531	0.01475	0.003588	0	0	0.039889	0.006574	0.164805
LOC104975050	0.001464	0.409705	0.619994	0.357912	0.235576	1.02286	0	0.017412	0	0	0	0.52921	0.003482	0.00658
LOC104975054	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975061	1	0.010541	0.005952	0.003837	0.021045	0.014303	0.018388	0	0	0.363294	0.055489	0.011136	0.087434	7.851756
LOC104975064	1	0.033883	0.018367	0.01184	0.012988	0.007356	0	0	0	0	0.002253	0.016887	0.000451	0.026684
LOC104975073	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975084	1	0.005502	0	0	0.004394	0	0	0	0	0	0.003049	0.001979	0.00061	0.30808
LOC104975088	1	0.272348	0.251073	0.27919	0.43943	0.784311	0.029087	0.059054	0	0	0.064676	0.40527	0.030563	0.075415
LOC104975091	1	0.042732	0.012064	0.031109	0.034126	0.053149	0	0	0	0	0.00592	0.034636	0.001184	0.034182
LOC104975097	1	0.010416	0.007842	0	0	0	0	0	0	0	0	0.003652	0	0
LOC104975099	0.003501	1.016543	1.659467	0.835281	1.25388	2.649313	0.105345	0.042774	0	0	0	1.482897	0.029624	0.019977
LOC104975103	0.65132	0.55665	0.564854	0.493328	0.386555	0.284599	0	0	0.083399	0	0	0.457197	0.01668	0.036483
LOC104975106	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975111	1	0.002276	0.001285	0	0	0	0	0	0	0	0	0.000712	0	0
LOC104975119	1	0.004203	0.002373	0.03672	0.015106	0.022813	0	0	0.038022	0.010865	0.090837	0.016243	0.027945	1.720398
LOC104975122	1	0	0.048299	0	0.051233	0	0.027978	0	0	0	0	0.019906	0.005596	0.281096
LOC104975124	1	0.103192	0.174802	0.450733	0.370838	0.490049	0	0	0	0	0	0.317923	0	0

LOC104975134	1	0.009556	0.002698	0	0	0	0.012503	0	0.012349	0.012351	0.011915	0.002451	0.009824	4.008116
LOC104975137	1	0	0	0.09561	0.052442	0	0	0.093027	0.056571	0.113159	0	0.02961	0.052551	1.774763
LOC104975155	1	0	0.013056	0.018937	0.013849	0.015686	0.015126	0.006142	0	0.044825	0.009609	0.012306	0.01514	1.230357
LOC104975158	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975162	1	0.013438	0.007588	0.259931	0.305838	0.005209	0	0.028554	0	0.019848	0.009573	0.118401	0.011595	0.09793
LOC104975164	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975170	1	0.047882	0.08319	0.048264	0.079419	0.119941	0	0	0	0.038082	0.055105	0.075739	0.018637	0.246073
LOC104975179	1	0.004096	0.001423	0.008257	0.016606	0.002565	0.001649	0.000669	0	0	0.005237	0.006589	0.001511	0.229329
LOC104975190	1	0.067315	0.076019	0.03267	0.017919	0.040593	0	0	0	0.038666	0.024867	0.046903	0.012707	0.270909
LOC104975192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975196	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975198	1	0.019937	0	0	0.071648	0	0	0.338925	0.669847	1.546025	2.187395	0.018317	0.948438	51.77894
LOC104975213	1	0	0.007024	0.169799	0.204895	0.016879	0	0	0.008037	0.064309	0.046528	0.079719	0.023775	0.298231
LOC104975214	1	0.006907	0.005602	0.003017	0.001956	0.001022	0.001315	0.006138	0.013632	0.013634	0.003967	0.003701	0.007737	2.090565
LOC104975219	1	0	0	0.029615	0.016244	0	0	0	0	0	0	0.009172	0	0
LOC104975222	1	0.435737	0.584791	0	0	0.942529	0.066097	0.134191	0.359058	0	0	0.392611	0.111869	0.284936
LOC104975232	1	0.005427	0.004003	0.003145	0.009553	0.002405	0.004637	0.012239	0.007443	0.021759	0.01252	0.004906	0.01172	2.388603
LOC104975236	1	0.012374	0.027016	0	0	0.004477	0	0	0	0	0	0.008773	0	0
LOC104975241	1	0.031019	0.032821	0.009765	0.006695	0.017442	0.024862	0.036817	0.0195	0.015891	0.007897	0.019548	0.020994	1.073923
LOC104975244	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975246	1	0	0.006076	0.004701	0	0	0	0	0	0.005563	0.001789	0.002155	0.00147	0.682211
LOC104975257	1	0.009507	0.037577	0	0	0	0	0	0	0	0	0.009417	0	0
LOC104975270	1	0.005218	0.007071	0.08661	0.09126	0.002832	0	0	0	0	0.005205	0.038598	0.001041	0.026968
LOC104975271	1	0.003065	0.007911	0.002869	0.000524	0	0	0	0	0	0.000728	0.002874	0.000146	0.050652
LOC104975274	1	0.001887	0	0.008243	0.014318	0.003414	0	0.001337	0	0.013008	0.002091	0.005572	0.003287	0.589919
LOC104975277	1	0.01257	0.02184	0.006687	0.003475	0.001749	0.005904	0.006849	0.011246	0.043323	0.020628	0.009264	0.01759	1.898673
LOC104975283	1	0.045751	0.103334	0.199838	0.054805	0	0	0	0	0	0.038027	0.080746	0.007605	0.094189
LOC104975285	1	0.001419	0.000874	0.002817	0.001854	0.00035	0.000675	0.000548	0.001334	0.016671	0.010078	0.001463	0.005861	4.006636
LOC104975286	1	0.025712	0.020199	0.024415	0.017409	0.022752	0	0	0.001445	0.008669	0.004646	0.022097	0.002952	0.133583
LOC104975290	1	0.08019	0.042977	0.07124	0.081407	0.136468	0	0.011553	0.09133	0.021079	0.015816	0.082457	0.027955	0.339032
LOC104975299	7.49E-14	0.310775	0.692434	1.926098	1.167133	0.341895	0	0	0	0	0	0.887667	0	0
LOC104975324	1	0.005448	0	0	0	0	0	0	0	0	0	0.00109	0	0
LOC104975340	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975351	1	0	0.082154	0.105918	0.116191	0	0.063452	0.025764	0	0	0.08062	0.060853	0.033967	0.558187
LOC104975366	1	0.039592	0.085358	0.1297	0.077607	0.009767	0	0	0	0.046517	0.026924	0.068405	0.014688	0.214725
LOC104975368	1	0.066599	0.07521	0.327261	0.179501	0.180727	0	0	0.08606	0.172146	0.027677	0.16586	0.057177	0.34473
LOC104975373	1	0.078976	0.079633	0.135521	0.089537	0.049752	0.007381	0.023974	0	0.007291	0.004689	0.086684	0.008667	0.099983
LOC104975377	1	0	0.007331	0	0	0	0	0	0	0	0	0.001466	0	0
LOC104975394	1	0.090661	0.05283	0.01584	0.016942	0.094473	0.011387	0.003853	0.01031	0.026246	0.016276	0.054149	0.013614	0.251425
LOC104975406	3.58E-12	0	0.040735	0.026259	0.014403	0	8.746366	3.398092	3.29388	7.210295	11.25282	0.016279	6.780291	416.4946
LOC104975415	1	0.195134	0.166516	0.138116	0.105329	0.145919	0.058405	0.029464	0.032339	0.015735	0.018552	0.150203	0.030899	0.205714
LOC104975426	1	0.0181	0.053146	0	0	0.068766	0	0.015385	0	0	0	0.028002	0.003077	0.109883
LOC104975428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975431	1	0	0.004138	0	0	0	0	0	0	0.037889	0.018275	0.000828	0.011233	13.57141
LOC104975434	1	0.04444	0.017456	0.014769	0.010416	0.018352	0.035391	0.022582	0.052433	0.009989	0	0.021087	0.024079	1.141909
LOC104975442	1	0.00846	0.210183	0	0	0	0	0.017977	0	0	0	0.043729	0.003595	0.08222

LOC104975445	1	0.017543	0.033019	0.042571	0.025685	0.015869	0	0	0	0	0.00324	0.026937	0.000648	0.024058
LOC104975460	1	0.004403	0.084539	0.019234	0.089674	0.071698	0	0	0	0	0.080521	0.05391	0.016104	0.298725
LOC104975474	1	0.562483	0.652268	0.552386	0.587874	1.290775	0.592682	0.497351	0.429282	0.273219	0.7907	0.729157	0.516647	0.708554
LOC104975475	1	0.068431	0.029313	0.010307	0.002827	0.025614	0	0	0	0.024398	0	0.027298	0.00488	0.178748
LOC104975489	1	0.010747	0.012137	0	0.003219	0	0	0	0	0.01389	0.004466	0.005221	0.003671	0.703231
LOC104975492	1	0.041003	0.020757	0.006176	0.005081	0.007674	0	0	0	0.102331	0.018803	0.016138	0.024227	1.501204
LOC104975505	1	0.125833	0.096171	0.133243	0.082219	0.120721	0.11308	0.137746	0.555153	0.24312	0.139451	0.111638	0.23771	2.129301
LOC104975507	0.03881	0.01054	0.010663	0.006714	0.00342	0.001788	0.101127	0.049461	0.036321	0.203199	0.110968	0.006625	0.100215	15.127
LOC104975516	1	0	0.013801	0	0	0	0	0	0	0	0	0.00276	0	0
LOC104975525	1	0.017424	0.026521	0.003309	0	0.004112	0	0	0	0.015665	0.005037	0.010273	0.004141	0.403044
LOC104975528	1	0.006694	0.005117	0.078939	0.050329	0.001397	0	0.000875	0.004524	0.110197	0.091583	0.028495	0.041436	1.454137
LOC104975550	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975557	1	0.050191	0.026991	0.010439	0.014315	0.012972	0	0	0	0	0	0.022982	0	0
LOC104975559	1	0.345284	0.473694	0	0	0.624658	0.02677	0.02174	0.039661	0	0	0.288727	0.017634	0.061075
LOC104975561	1	0.020065	0	0.065732	0	0	0	0	0	0	0.008339	0.017159	0.001668	0.097191
LOC104975568	1	0.002825	0	0	0	0	0	0	0	0	0	0.000565	0	0
LOC104975581	1	0.029118	0	0	0	0	0	0	0	0	0	0.005824	0	0
LOC104975590	1	0.548347	0.710318	0	0	2.122635	0.295408	0.059974	0.208408	0	0	0.67626	0.112758	0.166738
LOC104975592	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975593	1.64E-12	0.151459	0.097739	0.236271	0.155513	0.352294	23.55253	35.77045	11.40758	22.03548	10.82632	0.198655	20.71847	104.2937
LOC104975597	1	0.009635	0.003627	0	0	0	0.033614	0.020473	0.103749	0	0	0.002652	0.031567	11.90201
LOC104975600	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975605	1	0.129661	0.180218	0.130696	0.137398	0.189461	0	0.052985	0.012889	0	0	0.153487	0.013175	0.085836
LOC104975607	1	0	0.015061	0	0	0	0	0	0	0	0	0.003012	0	0
LOC104975610	1	0.069774	0.077686	0.120189	0.038848	0.048002	0.082287	0.0355	0.027938	0.010161	0.019603	0.0709	0.035098	0.495034
LOC104975612	1	0.039236	0	0	0	0.283928	0	0	0	0	0	0.064633	0	0
LOC104975617	1	0.042979	0.104795	0.083198	0.100629	0.029158	0	0	0.002524	0.025248	0.004871	0.072152	0.006529	0.090488
LOC104975626	1	0.003374	0.005335	0.016213	0.029912	0.001831	0.003532	0.005019	0.006977	0.0157	0.005048	0.011333	0.007255	0.640179
LOC104975635	1.48E-09	14.22146	16.90382	11.94823	11.74661	9.441503	0.527612	1.69637	1.733504	1.159383	1.053439	12.85232	1.234062	0.096019
LOC104975643	1	0.020661	0	0	0	0	0.324378	0.175615	0.160192	0.10681	0.480837	0.004132	0.249566	60.39542
LOC104975663	1	8.570868	7.099047	9.29279	11.11717	22.80912	6.261188	2.82957	6.629554	1.62487	2.337153	11.7778	3.936467	0.334228
LOC104975665	1	0.009713	0	0	0	0	0	0.01032	0	0	0	0.001943	0.002064	1.062475
LOC104975666	1	0.03224	0.042834	0	0	0.005146	0	0.01209	0.019605	0	0	0.016044	0.006339	0.395099
LOC104975667	1	0.02171	0.040862	0.079023	0.095356	0.024547	0	0	0	0.056116	0.045111	0.0523	0.020246	0.387107
LOC104975670	1	0.095283	0.122975	0	0	0.812635	0	0	0	0	0	0.206179	0	0
LOC104975673	1	2.158437	0.623393	1.855776	2.93478	2.019754	0.908858	0.61945	1.522827	1.186375	3.371522	1.918428	1.521807	0.793257
LOC104975676	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975679	1	0	0	0.112683	0	0	0.540036	0	0	0	0	0.022537	0.108007	4.792511
LOC104975682	1	0.002666	0	0	0.012775	0	0.013953	0.016997	0.020672	0.04135	0.004432	0.003088	0.019481	6.307913
LOC104975683	1	0	0.299779	0	0.119245	0.180089	0.347302	0.987134	0.857564	0.343075	0.110318	0.119822	0.529079	4.415522
LOC104975684	1	0	0	0	0	0	0	0.218876	0.088735	0	0	0	0.061522	#DIV/0!
LOC104975686	1	0	0	0	0.019597	0.044395	0	0	0.084561	1.014882	0.203964	0.012798	0.260681	20.36833
LOC104975693	1	0.008019	0.007626	0.007374	0.002022	0.002291	0.004417	0.006278	0.008726	0	0.000702	0.005466	0.004025	0.73625
LOC104975702	1	0.022921	0.031062	0.023778	0.030203	0.032655	0	0	0.004443	0.008887	0.012383	0.028124	0.005143	0.182858
LOC104975709	1	5.433646	0	0.229929	0.15414	0	0	0	0	0	0	1.163543	0	0
LOC104975719	1	0.9893	0.866965	0.535827	1.298844	1.54635	4.721728	1.866766	0.102272	0.204573	0.210502	1.047457	1.421168	1.356779

LOC104975738	0.571062	0.275666	0.187456	0.291312	0.138479	0.080437	0	0.012597	0.022982	0	0.01971	0.19467	0.011058	0.056803
LOC104975739	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975744	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975748	1	0.030313	0.00489	0	0	0	0	0	0	0	0	0.007041	0	0
LOC104975749	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975756	1	0.805987	0.298171	0	0	0.395956	0	0	0	0	0	0.300023	0	0
LOC104975771	1	0	0	0.014212	0.007795	0	0	0	0.016818	0	0	0.004402	0.003364	0.764209
LOC104975774	1	0.019962	0.006105	0.008174	0.007472	0.002257	0	0	0	0	0.000691	0.008794	0.000138	0.015722
LOC104975781	1	0.012399	0.007001	2.200104	1.960502	0	0.016222	0	0	6.233396	6.322339	0.836001	2.514391	3.007641
LOC104975782	1	0.761027	0.564942	0.220832	0.471753	1.097577	0	0.033926	0.082524	0.027512	0.132701	0.623226	0.055333	0.088784
LOC104975783	1	0	0.019675	0	0	0	0	0	0	0	0	0.003935	0	0
LOC104975788	4.16E-15	10.95952	13.02783	10.60197	7.543445	7.740227	0.070928	0.018327	0	0.095543	0.167949	9.974598	0.070549	0.007073
LOC104975792	1	0.005689	0.006424	0	0.001704	0	0.014885	0	0.007351	0.014704	0.002364	0.002763	0.007861	2.844757
LOC104975811	1	0.018268	0.009377	0.003627	0.003979	0.009013	0	0	0	0	0	0.008853	0	0
LOC104975814	1	0.082082	0.085565	0	0	0.059969	0	0	0.008159	0	0	0.045523	0.001632	0.035846
LOC104975822	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975826	1	0	0.002012	0.077823	0.177146	0	0	0	0	0	0	0.051396	0	0
LOC104975830	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975846	1	0.041597	0	0.068134	0.161942	0	0	0	0	0.752638	0.224729	0.054335	0.195474	3.597591
LOC104975848	1	0.014326	0.004045	0	0.00858	0.019438	0	0.030441	0	0	0	0.009278	0.006088	0.656232
LOC104975849	1	0.018462	0.0215	0.00693	0.014167	0.018787	0.003019	0.012872	0.020874	0.002982	0.001918	0.015969	0.008333	0.521835
LOC104975861	1	0.023515	0	0	0	0.042542	0	0	0	0	0	0.013211	0	0
LOC104975864	1	0.450921	0.101846	0	0	0	184.184	7.425937	10.7215	0	0	0.110553	40.46628	366.0337
LOC104975866	1	0.011279	0.016983	0.016421	0.013511	0.030607	0	0	0.004858	0	0.00625	0.01776	0.002222	0.125088
LOC104975871	1	0	0	0.017772	0.009748	0	0	0	0	0	0.027054	0.005504	0.005411	0.98309
LOC104975883	1	0.007277	0.016435	0	0	0.035543	0	0	0	0	0	0.011851	0	0
LOC104975890	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975906	1	0.049842	0.050926	0.046651	0.04549	0.199661	0	0	0.012268	0.036809	0.003945	0.078514	0.010605	0.135065
LOC104975911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975913	1	0	0	0	0	0.011902	0	0	0	0	0	0.00238	0	0
LOC104975925	1	0.002614	0	0.057095	0.037579	0	0	0.01111	0	0	0	0.019458	0.002222	0.114201
LOC104975928	1	0	0.004267	0.107287	0.461719	0.082036	0	0	0	0	0.006282	0.131062	0.001256	0.009586
LOC104975936	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975938	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975941	1	0.005114	0.005775	0.004786	0.002625	0.001982	0	0	0	0	0.007286	0.004056	0.001457	0.359237
LOC104975952	1	0	0	0.019405	0	0	0	0	0	0	0	0.003881	0	0
LOC104975956	1	0.219877	0.241858	0.087309	0.082095	0.123984	0	0.012136	0	0.103335	0.094937	0.151025	0.042082	0.27864
LOC104975958	1	0.173751	0	0	0	0	0.991958	0.100694	0.285758	0	0	0.03475	0.275682	7.933262
LOC104975960	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104975965	1	0.011146	0	0.024342	0	0	0.014583	0	0.014403	0	0	0.007098	0.005797	0.816767
LOC104975972	1	0.105346	0.092531	0.051127	0.063097	0.015882	0.214399	0.609384	0	0.302556	0.009729	0.065597	0.227214	3.463805
LOC104975974	1	0.05702	0.064393	0	0	0.038683	0	0	0	0	0	0.032019	0	0
LOC104975977	1	0.114169	0.096699	0	0	0.103273	0	0.020217	0	0	0	0.062828	0.004043	0.064356
LOC104975979	1	0.053355	0.026779	0.103578	0.149131	0.096525	0.031025	0	0	0	0	0.085874	0.006205	0.072257
LOC104975987	1	0	0	0	0.004458	0	0	0	0	0.019237	0.006186	0.000892	0.005085	5.70332
LOC104975998	1	0.007908	0.014884	0	0	0.016691	0.013795	0.02614	0.015896	0	0.004382	0.007897	0.012043	1.525024

LOC104976004	1	0.037768	0	0	0	0	0	0	0	0	0	0.007554	0	0
LOC104976009	1	0.002344	0	0.0256	0.002808	0	0	0	0	0	0	0.006151	0	0
LOC104976020	1.19E-09	0.861442	1.611422	0.357352	0.648551	1.279842	0	0	0	0.01244	0	0.951722	0.002488	0.002614
LOC104976042	1	0.01669	0.018479	0.004288	0.00196	0.003552	0.001713	0.001391	0.000846	0	0.003808	0.008994	0.001551	0.172502
LOC104976048	1	0.022039	0.039567	0	0	0.029137	0	0	0.00146	0	0	0.018149	0.000292	0.016095
LOC104976051	1	0.003	0.023713	0.013102	0.014373	0	0.015698	0	0	0.124057	0.034905	0.010838	0.034932	3.223246
LOC104976061	1	0.038309	0	0	0.068835	0	0.050121	0	0	0.049511	0.031841	0.021429	0.026294	1.227066
LOC104976062	1.51E-13	0.278727	0.398872	0.362338	0.219057	0.50625	0	0	0	0	0.001226	0.353049	0.000245	0.000694
LOC104976069	5.80E-05	0.535094	0.520454	0.202652	0.289	1.032396	0	0	0	0.01599	0.005142	0.515919	0.004226	0.008192
LOC104976076	1	0	0	0.042927	0.047091	0	0	0	0	0	0	0.018003	0	0
LOC104976077	1	0.004964	0.003656	0.006128	0.002585	0.005857	0.019202	0.004128	0.001116	0.012274	0.007534	0.004638	0.008851	1.908248
LOC104976078	1	0	0.056483	0.091027	0.039942	0.113105	0	0.017713	0	0	0	0.060111	0.003543	0.058935
LOC104976082	1	0.134257	0.04396	0	0	0.012935	0	0	0	0	0	0.03823	0	0
LOC104976083	1	0.003721	0.003767	0.009807	0.01583	0.000696	0.002686	0.000818	0.000332	0.00199	0.004052	0.006764	0.001975	0.292043
LOC104976084	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104976090	1	0.521973	0.555129	0.298827	0.32174	0.756363	0.106084	0.129223	0.419109	0.183387	0.109515	0.490806	0.189464	0.386025
LOC104976093	1	0.110233	0.023341	0.030093	0.033012	0.243047	0	0	0	0	0	0.087945	0	0
LOC104976116	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104976117	1	0	0.008678	0	0.01841	0	0	0	0	0	0	0.005418	0	0
LOC104976124	1	0.151956	0.082072	0.00481	0	0	0	0	0	0	0	0.047768	0	0
LOC104976141	1	0.131029	0.049324	0	0	0	0	0	0	0	0	0.036071	0	0
LOC104976142	1	0	0	0	0	0	0	0	0	0	0.008686	0	0.001737	#DIV/0!
LOC104976146	1	0.002822	0	0.006163	0.003944	0	0	0.000999	0	0.004863	0.001564	0.002586	0.001485	0.574371
LOC104976162	1	0.078994	0.044604	0.100637	0.063084	0.035727	0	0	0	0	0	0.064609	0	0
LOC104976163	1	0.017576	0	0.02559	0.007018	0	0	0	0	0	0	0.010037	0	0
LOC104976172	1	0.065061	0.045717	0	0	0.027464	0	0	0	0	0	0.027648	0	0
LOC104976193	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104976195	1	0.004737	0	0	0	0	0	0	0	0	0	0.000947	0	0
LOC104976218	1	0.003339	0	0	0	0	0	0	0	0	0	0.000668	0	0
LOC104976229	1	0.202256	0.285511	0.299737	0.268239	0.078408	0	0.015349	0.112011	0	0.072046	0.22683	0.039881	0.17582
LOC104976232	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104976236	1	0.083482	0.166722	0.044141	0.040001	0.083463	0	0.005602	0.006813	0.027257	0.011686	0.083562	0.010272	0.122924
LOC104976240	1	0	0	0.201062	0	0	0	0	0	0	0	0.040212	0	0
LOC104976244	1	0	0.031751	0.018421	0	0.00763	0	0	0	0	0.018695	0.01156	0.003739	0.323433
LOC104976247	0.000169	0.903421	1.053417	0.304778	0.536702	2.451588	0	0	0	0	0.024419	1.049981	0.004884	0.004651
LOC104976250	1	0	0.153691	0.222917	0.122269	0.738625	0	0	0	0	0	0.2475	0	0
LOC104976257	1	0	0	0	0.012646	0	0	0	0	0	0	0.002529	0	0
LOC104976262	1.65E-09	1.610523	2.38397	2.396261	1.783198	0.522362	0	0	0	0	0	1.739263	0	0
LOC104976269	1	0	0	0.019911	0.016382	0.01237	0	0	0.070687	0	0.045466	0.009733	0.023231	2.386886
LOC104976274	1	2.078628	2.620952	2.595838	2.435992	4.968107	5.15901	3.375578	6.391192	2.475309	1.320346	2.939904	3.744287	1.273609
LOC104976276	0.001525	0.249988	0.502328	0.696181	0.811384	0.27666	0.073088	0.065289	0.071285	0.077613	0.054557	0.507308	0.068366	0.134763
LOC104976279	1	0.044347	0.025041	0.266342	0.026561	0.120343	0	0	0.085959	0.573143	0.165868	0.096527	0.164994	1.709308
LOC104976281	1	0.32696	0.416882	0.660321	1.145511	0.152647	0	0.067236	0	0.363498	0.391566	0.540464	0.16446	0.304294
LOC104976284	1	0	0	0.084658	0	0.315574	0	0	0	0	0	0.080046	0	0
LOC104976293	1	0.238942	0.269839	0	0	0.907776	0	0	0	0	0	0.283312	0	0
LOC104976302	1	0.026951	0.017392	0	0	0	0	0	0	0	0	0.008869	0	0

LOC104976304	1	0	0	0.014791	0.016226	0	0	0	0	0.017506	0	0.006204	0.003501	0.564402
LOC104976315	1	0.005339	0.002412	0.002332	0	0	0.011177	0.002269	0.038638	0.005521	0	0.002017	0.011521	5.712791
LOC104976318	1	0.001925	0	0	0	0	0.005037	0	0	0	0	0.000385	0.001007	2.616664
LOC104976321	0.07174	0.111221	0.080246	0.087715	0.155436	0.06707	0	0	0	0	0	0.100338	0	0
LOC104976327	1	0	0.022013	0	0.035025	0	0	0	0	0	0	0.011407	0	0
LOC104976344	1	0.075409	0.038385	0.022614	0.012404	0.045203	0.001178	0.000478	0.004072	0.033747	0.034426	0.038803	0.01478	0.380906
LOC104976350	1	0	0	0	0	0	0	0	0	0	0.085347	0	0.017069	#DIV/0!
LOC104976379	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104976380	1	0.024105	0.020417	0.019742	0.014438	0.02453	0	0.006403	0.038936	0	0.015027	0.020646	0.012073	0.584763
LOC104976397	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104976448	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104976484	1	0	0	0.169491	0.092965	0	0	0	0	0	0	0.052491	0	0
LOC104976573	1.88E-18	2.111807	5.174442	9.844404	4.397987	0.385312	0	0	0	0	0	4.38279	0	0
LOC104976574	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104976575	1	0	0	0	0.008168	0	0	0.014488	0	0.123368	0.017001	0.001634	0.030971	18.9601
LOC104976595	1	0.011075	0	0	0	0	0	0	0	0	0	0.002215	0	0
LOC104976614	1	0	0.084499	0	0.044816	0	0.39158	0.158998	0.096689	0	0	0.025863	0.129453	5.005344
LOC104976639	1	0.067661	0	0.04222	0	0	0	0	0	0	0	0.021976	0	0
LOC104976640	1	0.235146	0.317792	0.202053	0.240121	0.041843	0.221911	0.016383	0.079701	0.67756	0.057673	0.207391	0.210646	1.015692
LOC104976664	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104976682	1	0.007435	0.006157	0.003479	0.004283	0.000673	0.000741	0.000828	0.001555	0.005857	0.002413	0.004405	0.002279	0.517262
LOC104976739	1	0	0.027664	0	0	0	0	0	0	0	0	0.005533	0	0
LOC104976775	1	0.001565	0	0	0	0	0.008192	0	0	0	0	0.000313	0.001638	5.233328
LOC104976783	1	0.042725	0.041357	0	0	0.091098	0	0	0.007887	0	0	0.035036	0.001577	0.045024
LOC104976804	1	73.48336	60.17397	188.2162	106.3209	108.5333	6.054579	10.02694	5.399654	66.86259	28.80546	107.3455	23.42984	0.218266
LOC104976942	1	0.012219	0.055197	0.026686	0	0.066318	0	0	0	0	0	0.032084	0	0
LOC104976949	1	0.003594	0.006088	0	0.010762	0	0	0	0.009288	0	0	0.004089	0.001858	0.454312
LOC104976976	1	0.045364	0.057257	0	0	0.05069	0	0.022682	0.027586	0	0	0.030662	0.010054	0.327881
LOC105180379	7.92E-05	0	0	0	0	0	0.369267	0.749689	1.793205	0.911932	0.977461	0	0.960311	#DIV/0!
LOC107131130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131134	1	0.10749	0.067438	20.7105	4.542421	0.129641	0	0.038068	0.030867	1.914023	0.943055	5.111499	0.585203	0.114487
LOC107131149	1	0	0	0	0	0	0	0	0	0	0.132289	0	0.026458	#DIV/0!
LOC107131150	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131158	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131172	1	0.347151	0.078408	0	0	0	0	0.073768	0	1.256252	6.982682	0.085112	1.66254	19.5336
LOC107131187	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131209	1	1.553331	1.591349	5.518039	4.329915	4.980017	0.583099	0.898305	2.176635	9.249928	2.696553	3.59453	3.120904	0.868237
LOC107131211	1	0	0.037015	0	0	0	0	0	0	0	0	0.007403	0	0
LOC107131218	1	0.172302	0.379897	0.125433	0.191656	0.066796	0.021469	0.017435	0	0.127248	0.020459	0.187217	0.037322	0.199353
LOC107131224	1	0.672043	0.266655	0.158672	0.043515	0.246446	0	0	0	0	0	0.277466	0	0
LOC107131225	1	1.97603	1.924948	1.913863	0.955063	1.184368	0.017985	0.087631	0.150988	0.284254	0.79407	1.590855	0.266985	0.167825
LOC107131228	1	2.52971	2.65117	2.300203	1.863001	3.966626	0.283321	0.512451	0.368869	2.56974	0.032725	2.662142	0.753421	0.283013
LOC107131239	1	0.03934	0.017771	0	0.01885	0	0.082351	0	0	0	0.222347	0.015192	0.06094	4.011262
LOC107131253	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131254	1	0.863784	0	0.522982	1.782589	13.85528	0.716113	0.581544	1.657723	0.088425	0.071084	3.404926	0.622978	0.182964
LOC107131258	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC107131272	1	0.089009	0	0	0	0	0	0	0	0	0	0.017802	0	0
LOC107131273	1	0.292522	0.156775	0.573887	0.100966	0.067272	0.025947	0.042142	0	0.025631	0.008242	0.238284	0.020392	0.08558
LOC107131287	1	0.378543	0.077726	0	0.226727	0	0.900472	0.25594	0.444692	0.133427	0.028603	0.136599	0.352627	2.581473
LOC107131289	1	0.114855	0.090826	0.081808	0.094032	0.008222	0.011531	0.039214	0.044134	0.061227	0.03205	0.077949	0.037631	0.48277
LOC107131293	1	0.291931	0.549465	0.637565	1.10739	0	0	0	0	0	0	0.51727	0	0
LOC107131296	1	0.072096	0	0	0	0	0	0	0	0	0	0.014419	0	0
LOC107131305	1	0.027619	0	0.030159	0.049627	0	0	0	0	0	0.045912	0.021481	0.009182	0.427465
LOC107131308	1	0.006859	0.038731	0	0.008217	0	0	0	0	0	0	0.010762	0	0
LOC107131311	1	47.83768	43.75528	21.03663	29.01702	45.67873	9.403676	12.73068	18.98881	7.793131	13.78624	37.46507	12.54051	0.334725
LOC107131315	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131323	0.145709	0.11633	0.054739	0.190546	0.112255	0.052614	0	0	0	0	0.010743	0.105297	0.002149	0.020406
LOC107131324	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131325	1	0.00739	0.012028	0.014716	0.010415	0.005309	0.003413	0.004619	0.003932	0.013484	0.006143	0.009972	0.006318	0.63361
LOC107131326	1	0	0	0	0	0	0.136699	0.20352	0.427549	0	0	0	0.153554	#DIV/0!
LOC107131328	1	0	0	0.006856	0	0	0	0	0	0	0	0.001371	0	0
LOC107131330	1	0.031984	0	0.027941	0.030651	0	0	0	0	0.033069	0.010634	0.018115	0.00874	0.482501
LOC107131331	1	0.009412	0.010629	0.010278	0.009396	0.025542	0	0	0	0	0.005216	0.013052	0.001043	0.079921
LOC107131332	1	0.008555	0.009661	0	0	0	0	0.002597	0.009475	0	0	0.003643	0.002414	0.662743
LOC107131333	0.001864	0.007656	0	0	0	0	0.120204	2.977269	2.453619	0.949926	0.700002	0.001531	1.440204	940.5364
LOC107131335	1	0.007995	0.006945	0.009551	0.009413	0.003709	0.000715	0.001307	0.00106	0.098202	0.037257	0.007522	0.027708	3.683407
LOC107131336	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131338	1	0.001761	0.000497	0	0	0.001195	0	0	0	0.006828	0.004391	0.000691	0.002244	3.249138
LOC107131340	1	0.006131	0	0	0	0	0	0	0	0	0.010191	0.001226	0.002038	1.662334
LOC107131341	1	0.051975	0.034851	0.014189	0.011674	0.01763	0	0	0.004198	0	0.0027	0.026064	0.00138	0.052929
LOC107131345	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131349	1	0.077288	0	0	0	0	0	0	0	0	0	0.015458	0	0
LOC107131350	1	0	0.01006	0.006485	0	0	0	0	0	0	0.001645	0.003309	0.000329	0.099448
LOC107131351	1	0.257915	0.194176	0.085345	0.065536	0.042418	0.040902	0.14947	0.020199	0.121211	0.012992	0.129078	0.068955	0.53421
LOC107131356	1	0.183256	0.178741	0.047433	0.039527	0.06172	0.022439	0.019411	0.012045	0.072763	0.063375	0.102135	0.038007	0.372121
LOC107131357	1	0.087847	0.042517	0.004006	0.003122	0.002096	0.003031	0.008205	0.007734	0.014972	0.011394	0.027917	0.009067	0.324784
LOC107131358	1	0.030156	0.036488	0.338709	0.139335	0.005845	0.123999	0.183087	0.228244	1.069007	0.429684	0.110107	0.406804	3.694634
LOC107131363	1	0.009219	0	0.004027	0	0	0.028948	0.023508	0.00953	0.019063	0.01226	0.002649	0.018662	7.044467
LOC107131364	0.001289	0.000846	0.000955	0.005541	0	0	0.128346	0.143762	0.028413	0.091809	0.178537	0.001468	0.114174	77.75883
LOC107131365	1	0	0.018058	0.008731	0.03831	0	0	0	0	0	0	0.01302	0	0
LOC107131367	5.10E-05	0.381535	0.334144	0.425132	0.359102	0.264123	0	0	0	0	0.006472	0.352807	0.001294	0.003669
LOC107131368	1	0.012477	0.005073	0.00436	0.005381	0.006772	0.007836	0.014848	0.024508	0.072244	0.094581	0.006813	0.042803	6.283017
LOC107131369	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131371	1	0.26666	0.188514	0.062897	0.075386	0.198274	0.036284	0.038531	0	0	0.006206	0.158346	0.016204	0.102334
LOC107131372	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131374	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131379	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131382	1	0	0	0	0	0	0.116178	0.047173	0	0.229528	0.147613	0	0.108098	#DIV/0!
LOC107131385	1	0.049294	0	0	0	0	0	0	0	0	0	0.009859	0	0
LOC107131387	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131390	1	0.008285	0.006238	0.012063	0.008271	0	0.014453	0	0.003569	0	0	0.006971	0.003604	0.517028
LOC107131395	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC107131398	1	0.075577	0	0	0	0	0.19776	0.040149	0.244156	0.390706	0	0.015115	0.174554	11.54809
LOC107131403	1	0.026094	0.103137	0	0	0	0	0	0	0.067447	0	0.025846	0.013489	0.521915
LOC107131404	1	0.021943	0.02003	0.010925	0.016071	0.014501	0.024395	0.012805	0.001763	0.009992	0.008694	0.016694	0.01153	0.690649
LOC107131408	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131416	0.354983	0.02247	0.03965	0.073611	0.055516	0.015244	0	0	0	0	0	0.041298	0	0
LOC107131418	1	0.30694	0.519943	0.363103	0.543862	0.329703	0	0.013588	0.033053	0.132231	0.255118	0.41271	0.086798	0.210312
LOC107131419	1	0	0	0	0	0	0	0	0	0	0.191534	0	0.038307	#DIV/0!
LOC107131421	1	0.003495	0.001974	0	0	0	0.128037	0.289649	0.140009	0	0	0.001094	0.111539	101.9812
LOC107131422	1	0.005234	0.094579	1.829062	0.799451	0	0	0.005561	0.013528	0.02706	0	0.545665	0.00923	0.016915
LOC107131424	1	0.077316	0.055563	42.1066	55.40178	0.171664	0.036784	0.029872	0.090827	29.54134	41.16331	19.56258	14.17243	0.724466
LOC107131425	1	0.087937	0	0	0	0	0.065743	0.026695	0.032467	0	0	0.017587	0.024981	1.420389
LOC107131426	1	0	0.132974	0	0	0	0	0	0.152157	0	0.097869	0.026595	0.050005	1.88026
LOC107131428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131429	1	0.048014	0.072861	0.065538	0.035947	0.069218	0.023557	0.006377	0.081433	0.02327	0.097274	0.058316	0.046382	0.795366
LOC107131434	0.839254	0.128606	0.070114	0.125907	0.042498	0.216617	0	0	0	0	0	0.116748	0	0
LOC107131435	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131441	1	0.10269	0.1237	0	0	0.315823	0.107482	0	0.135647	0	0	0.108443	0.048626	0.448402
LOC107131443	1	0	0	0	0.005451	0	0	0	0	0	0	0.00109	0	0
LOC107131447	0.221907	0	0	0.28633	0.196313	0	6.861187	5.920098	2.03301	1.863864	1.089706	0.096529	3.553573	36.81369
LOC107131449	1	0.117995	0	0	0	0	1.440849	3.301325	5.539953	0	0	0.023599	2.056425	87.14032
LOC107131452	1	0.016289	0	0.426887	0.253658	0	0	0	0	0.673654	0.108309	0.139367	0.156393	1.122166
LOC107131453	1	0	0	0.126987	0	0	0	0	0	0	0.096657	0.025397	0.019331	0.761155
LOC107131455	1	0.016859	0	0	0	0	0	0	0	0	0	0.003372	0	0
LOC107131456	1	0.060003	0	0	0	0	0	0	0	0	0	0.012001	0	0
LOC107131458	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131463	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131465	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131467	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131468	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131469	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131470	1	0.080979	0.140692	0.149646	0.186546	0.101423	0	0	0	2.737207	1.812111	0.131857	0.909864	6.90036
LOC107131471	1	1.8444	1.730988	0.956443	1.210628	1.028444	1.807061	2.058058	2.69898	3.134756	1.330004	1.354181	2.205772	1.628861
LOC107131473	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131475	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131476	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131477	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131481	1	0.04488	0.054906	0.062621	0.100055	0.077809	0.013048	0	0	0.116006	0.060098	0.068054	0.03783	0.555887
LOC107131482	1	0	0.060633	0	0	0	0	0	0	0	0	0.012127	0	0
LOC107131483	1	0	0	0.009056	0	0	0	0	0	0	0	0.001811	0	0
LOC107131484	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131488	0.631391	0	0	0	0.030341	0	0.331377	0.107642	0.130919	1.309378	1.221015	0.006068	0.620066	102.1845
LOC107131489	1	0.041106	0.028369	0.049874	0.021885	0.092957	0.035854	0.004853	0.035412	0.153475	0.034166	0.046838	0.052752	1.126257
LOC107131491	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131494	1	0	0.053831	0	0	0	0	0	0	0	0	0.010766	0	0
LOC107131496	1	0.226716	0.049555	0.207639	0.096368	0.258001	0	0.124325	0.472528	1.134233	1.033375	0.167656	0.552892	3.297784
LOC107131498	1	2.908799	2.861063	1.844333	2.014573	1.469018	6.157071	11.73326	11.00595	9.515004	7.10311	2.219557	9.10288	4.101215

LOC107131501	1	0	0.009562	0	0	0	0	0	0	2.276239	7.234953	0.001912	1.902238	994.647
LOC107131505	1	0	0	0	0	0	0	0	0	0	0.071606	0	0.014321	#DIV/0!
LOC107131506	1	0.039706	0	0	0	0	0	0	0	0	0	0.007941	0	0
LOC107131509	1	0.360121	0.123239	0.30983	0.333345	0.177682	0	0	0	0.028208	0.108844	0.260843	0.02741	0.105083
LOC107131510	1	0.044581	0.086961	0.026554	0	0.120979	0.106049	0.04306	0.858896	0.062855	0.154955	0.055815	0.245163	4.392425
LOC107131512	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131515	1	0.331915	0.062472	0	0	0	0	0	0	0	0	0.078878	0	0
LOC107131516	1	0.796428	0.230082	0.606756	0.843102	0.804184	0	0	0	1.531998	0.95446	0.65611	0.497292	0.757939
LOC107131519	1	0	0	0	0	0	0	0	0	0	0.082158	0	0.016432	#DIV/0!
LOC107131522	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131524	1	0.008109	0.005724	0	0.001214	0	0.005305	0.006462	0.00262	0.047162	0.028645	0.003009	0.018039	5.994105
LOC107131525	2.49E-11	0.69251	0.406669	1.572912	0.746598	1.052377	0	0	0	0	0	0.894213	0	0
LOC107131526	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131528	1	0	0	0	0	0	0	0	0	0	0.220637	0	0.044127	#DIV/0!
LOC107131530	1	3.849286	3.564814	2.727834	2.271513	6.778918	0.891353	0.361926	0.880377	0.352202	0.16988	3.838473	0.531148	0.138375
LOC107131531	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131533	1	0.043983	0	0	0	0	0	0	0	0	0	0.008797	0	0
LOC107131534	1	0.005243	0.0037	0	0	0	0	0.002785	0	0	0	0.001789	0.000557	0.311427
LOC107131535	1	0	0	0	0.144215	0	0	0	0	0	0	0.028843	0	0
LOC107131538	1	0.095891	0.04641	0.029917	0.01641	0	1.326258	0.334753	0.654964	0	0	0.037726	0.463195	12.27803
LOC107131541	1	0.013282	0	0.087023	0.047732	0.018022	0	0	0	0	0.01104	0.033212	0.002208	0.066481
LOC107131542	1	0.00804	0	0.956939	1.492771	0.021817	5.469711	2.528445	1.724599	1.371568	1.276335	0.495913	2.474132	4.989039
LOC107131544	1	0	0.008594	0	0.036463	0	0	0	0	0	0	0.009011	0	0
LOC107131546	1	0	0.036907	0	0.052198	0	0	0	0	0	0	0.017821	0	0
LOC107131547	1	0.003591	0.056775	0.007843	0.040865	0.01949	0	0	0	0	0	0.025713	0	0
LOC107131548	1	0.406814	0.104867	0.045872	0.029133	0.071997	0.005785	0.014094	0.037141	0.062864	0.139663	0.131737	0.05191	0.39404
LOC107131549	1	0	0	0.020726	0.011368	0	0	0	0	0	0	0.006419	0	0
LOC107131551	1	0	0.007004	0.081275	0.01486	0.13465	0	0	0	0.032064	0	0.047558	0.006413	0.134843
LOC107131552	1	0.011972	0.00676	0	0	0	0.024365	0.00848	0.005157	0	0	0.003746	0.0076	2.028718
LOC107131556	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131559	1	0.00892	0.007149	0.003771	0.000689	0.003904	0	0.000611	0	0.002975	0.006218	0.004887	0.001961	0.40129
LOC107131561	1	0.005789	0	0.012644	0	0	0	0	0	0	0	0.003687	0	0
LOC107131562	1	0	0	0	0	0	0	0	0	0	0.046807	0	0.009361	#DIV/0!
LOC107131564	1	0.180585	0.135957	0	0	0	0.630042	0	0	0	0	0.063309	0.126008	1.990384
LOC107131566	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131567	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131570	1	0.026817	0	0	0	0	0	0	0	0	0	0.005363	0	0
LOC107131571	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131573	1	0.43988	0.494238	0	0	0.581697	0	0.00949	0.046166	0	0	0.303163	0.011131	0.036717
LOC107131578	1	0.105511	0.059577	0	0	0	0	0	0	0.545451	0	0.033017	0.10909	3.304016
LOC107131579	1	0.001431	0.003233	0.003126	0.003429	0	0	0.001521	0	0	0	0.002244	0.000304	0.135548
LOC107131583	0.028767	0.245674	0.399647	0.124554	0.159408	0.099208	0.015306	0	0	0.01512	0.007293	0.205698	0.007544	0.036673
LOC107131584	1	0.03798	0	0	0	0	0	0	0	0	0	0.007596	0	0
LOC107131588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131589	1	0.013914	0.011785	0	0.012501	0	0	0	0	0.071932	0.017348	0.00764	0.017856	2.337142
LOC107131590	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC107131592	1	0	0	0.013553	0	0.00842	0	0	0	0	0	0.004394	0	0
LOC107131593	1	0.073606	0.03983	0.155172	0.028166	0.034678	0.037451	0.010862	0.017174	0.081917	0.067127	0.066291	0.042906	0.647243
LOC107131596	1	0.139216	0.052406	0	0.111177	0	0	0	0	0	0	0.06056	0	0
LOC107131597	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131598	4.88E-07	0.045201	0	0	0.013536	0	63.80935	28.38253	67.87159	0.642596	0.093923	0.011747	32.16	2737.623
LOC107131599	0.959068	0.175829	0.159716	0	0	0.070534	0	0	0	0	0	0.081216	0	0
LOC107131601	1	0.052344	0.076846	0.06859	0.040756	0.007102	0	0	0.013528	0.02706	0	0.049127	0.008118	0.165234
LOC107131604	1	0.040448	0.020098	0.017667	0.001938	0.008781	0.067737	0.013752	0.012544	0.008364	0.010758	0.017787	0.022631	1.272367
LOC107131605	0.225815	0.118866	0.134236	0	0.071195	0	0.311033	1.389217	1.075211	9.831935	12.54731	0.064859	5.030942	77.5668
LOC107131606	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131607	1	0.888866	0.194284	0.375726	0.412168	0.155619	2.10078	0.426502	0.666936	4.595116	1.000949	0.405333	1.758057	4.33732
LOC107131609	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131611	1	0.075882	0.128542	0	0	0.20592	0	0	0	0	0	0.082069	0	0
LOC107131613	1	0.052314	0	0	0	0	0.273779	0.111166	0	0.270447	0	0.010463	0.131078	12.52792
LOC107131614	1	0.038121	0.04305	0	0.007611	0	0	0	0	0	0	0.017756	0	0
LOC107131615	4.29E-06	2.230679	1.327278	0.576224	1.551552	3.514837	0	0	0	0	0	1.840114	0	0
LOC107131617	1	0	0	0	0	0	0.290788	0	0	1.148998	0.092367	0	0.306431	#DIV/0!
LOC107131619	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131620	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131623	0.000171	0.7958	0.239654	0.347599	0.444866	1.511678	12.63287	10.70989	19.40154	14.12473	18.4322	0.667919	15.06024	22.548
LOC107131625	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131626	1	0.026365	0	0	0	0	0	0	0	0	0	0.005273	0	0
LOC107131631	1	0.004959	0.0028	0	0	0.010093	0	0	0	0	0	0.003571	0	0
LOC107131637	1	0.397479	0.515186	0.266342	0.297586	0.269657	0	0.019196	0.105061	0.677157	0.082593	0.34925	0.176801	0.506232
LOC107131639	1	0.00276	0.002493	0.002411	0.000661	0	0	0	0	0.005707	0.000918	0.001665	0.001325	0.795702
LOC107131640	1	0	0.061655	0	0	0	0	0	0	0	0	0.012331	0	0
LOC107131642	1	0.983606	1.173372	2.430545	2.527996	1.115293	1.90918	0.480824	0.202889	0.596818	1.028643	1.646162	0.843671	0.512508
LOC107131643	1	0.19151	0.298894	0.425299	0.323492	0.31824	0	0.016004	0.022245	0.13905	0.14308	0.311487	0.064076	0.205709
LOC107131647	1	0	0	0	0.03571	0	0	0	0	0	0	0.007142	0	0
LOC107131648	1	0.076845	0.004881	0	0	0	0	0.008165	0.006206	0	0	0.016345	0.002874	0.175841
LOC107131649	0.194712	0.104266	0.235496	1.537059	0.374698	0.212207	0	0	0	0	0	0.492745	0	0
LOC107131651	1	0.003074	0.002314	0.013428	0.008592	0	0	0	0	0.015892	0.001703	0.005482	0.003519	0.641973
LOC107131652	2.34E-06	0.553063	1.562454	0.18763	0.615342	0.043714	0	0	0	0	0	0.592441	0	0
LOC107131653	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131656	1	0	0	0	0	0	0	0.017121	0	0	0	0	0.003424	#DIV/0!
LOC107131659	1	0.06078	0.068639	0.06637	0.036404	0.164936	0	0	0	0.078552	0.126295	0.079426	0.040969	0.515821
LOC107131660	1	0	0	0.063161	0.020786	0.047088	0	0	0	0.059803	0.03846	0.026207	0.019653	0.7499
LOC107131662	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131663	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131666	1	0	0.003029	0.005857	0	0	0	0	0	0.041592	0.017832	0.001777	0.011885	6.687735
LOC107131671	0.002675	0	0.009456	0	0	0	0.394373	0.747282	0.151479	0.346287	0.473243	0.001891	0.422533	223.4252
LOC107131672	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131675	1	0.030142	0.065649	0.042319	0.05674	0	0.033803	0.004575	0	0	0.007158	0.03897	0.009107	0.233696
LOC107131676	1	0	0.01674	0	0	0	0.543019	0.157492	0.229857	0	0	0.003348	0.186074	55.57812
LOC107131677	1	0.041735	0	0	0	0	0.218414	0	0.215725	0.647269	1.38756	0.008347	0.493794	59.1578
LOC107131679	1	0.005684	0.001605	0.018621	0.006809	0	0	0	0	0	0	0.006544	0	0

LOC107131684	0.001353	1.129632	1.910138	3.10033	1.534085	3.098234	0	0.012836	0.015612	0.124915	0.180753	2.154484	0.066823	0.031016
LOC107131686	1	0	0	0	0	0	0	0	0.087693	0.087706	0	0	0.03508	#DIV/0!
LOC107131691	1	0	0	0	0	0	0	0	0	0	0.02648	0	0.005296	#DIV/0!
LOC107131693	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131694	1	0.064511	0.05464	0.052834	0.038639	0.087531	0	0	0	0	0	0.059631	0	0
LOC107131695	1	0.530533	0.894707	3.290606	3.330139	2.610643	0.222116	0	0.054845	0.65824	0.094072	2.131326	0.205855	0.096585
LOC107131697	1	0.039064	0.044115	0.013125	0.021598	0	0	0	0.015532	0	0	0.023581	0.003106	0.131737
LOC107131699	1	0.163312	0.650927	0	0	0	0	0	0	0	0	0.162848	0	0
LOC107131703	1.09E-09	2.203811	2.31954	2.271754	2.360099	3.229426	0	0	0	0.022786	0.058616	2.476926	0.01628	0.006573
LOC107131704	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131705	1	0	0.017883	0.069168	0	0	0	0	0	0	0	0.01741	0	0
LOC107131706	1	0	0.278226	0.331114	0.431335	0	0	0	0	0	0	0.208135	0	0
LOC107131707	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131710	1	0.099557	0.24448	0	0	0.349039	0.001748	0.00284	0.000863	0	0	0.138615	0.00109	0.007866
LOC107131711	1	0.151459	0	0	0	0	0	0	0	0	0	0.030292	0	0
LOC107131713	1	0	0	0.207155	0	0	0	0	0	0	0	0.041431	0	0
LOC107131715	1	0.00896	0.015178	0.039138	0.0161	0.036473	0.023446	0	0.011579	0	0.011171	0.02317	0.009239	0.398758
LOC107131716	1	0	0	0.316389	0.472024	0	0	0	0.059905	0	0.009633	0.157683	0.013908	0.0882
LOC107131722	1	0.098009	0.083011	0.64214	0.249483	0	0	0.104132	0.633244	0.380001	0.040731	0.214529	0.231621	1.079676
LOC107131723	1	0.008492	0.006975	0	0.000925	0	0.020201	0.004921	0.013967	0.051884	0.012834	0.003278	0.020761	6.33285
LOC107131724	1	0.005809	0	0	0	0	0	0	0	0	0	0.001162	0	0
LOC107131728	1	0.465882	0.591889	0.275564	0.03488	4.477557	7.822285	2.124324	2.307755	1.404925	0.080672	1.169155	2.747992	2.35041
LOC107131731	3.63E-06	0	0	0	0.025949	0	7.708745	2.807859	1.231648	1.791748	2.880746	0.00519	3.284149	632.8164
LOC107131736	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131737	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131738	1	0.081715	0	0	0	0.073916	0	0	0	0	0	0.031126	0	0
LOC107131741	1	0	0	0	0.028281	0	0	0	0	0	0	0.005656	0	0
LOC107131744	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131747	1	0	0	0	0	0	0	0	0	0.302462	0.194518	0	0.099396	#DIV/0!
LOC107131749	1	0.444556	0.240106	0.703546	0.321577	0.343847	1.562244	1.104384	1.248837	4.274418	2.641837	0.410726	2.166344	5.274423
LOC107131750	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131751	1	0.077592	0.108488	0.008069	0.030982	0.050133	0	0.015703	0	0.649434	0.055279	0.055053	0.144083	2.617179
LOC107131756	1	0.187965	0.035378	0	0	0.170025	0	0	0	0	0	0.078674	0	0
LOC107131761	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131763	0.002735	0.846398	1.08501	1.79854	0.849479	1.427769	0	0	0	0	0	1.201439	0	0
LOC107131765	1	0	0.018229	0	0	0.109508	0	0	0	0	0	0.025547	0	0
LOC107131767	1	0.043257	0.040709	0.031491	0.051818	0	0	0	0	0	0	0.033455	0	0
LOC107131768	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131769	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131771	1	0.230264	0.243786	0.220013	0.189634	0	2.033514	1.758417	1.208804	3.087548	1.578947	0.176739	1.933446	10.93954
LOC107131772	1	0.109901	0.193063	2.533542	1.63831	0	0.063905	0	0	0.189383	1.157051	0.894963	0.282068	0.315173
LOC107131773	1	0.80313	0	0	0	0.838242	0	0	0	0	0.205395	0.328274	0.041079	0.125136
LOC107131774	1	0.053813	0	0	0	0	0	0.228702	0	0	0	0.010763	0.04574	4.249899
LOC107131776	1	0.067557	0.076293	0.147542	0	0	0.707097	1.57911	1.39678	1.047738	0.224605	0.058278	0.991066	17.00573
LOC107131779	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131781	1	0.173674	0.239715	0.231792	0.063569	0.104732	0.403952	0.194775	0.860295	0.199518	0.224547	0.162696	0.376617	2.314849

LOC107131782	1	0.022403	0.025299	0	0	0.040529	0.03908	0.079341	0.077198	0	0	0.017646	0.039124	2.21712
LOC107131783	1	0.071741	0.069444	0.067149	0.270093	0.180777	0	0	0	0.052982	0.025555	0.131841	0.015708	0.11914
LOC107131785	1	0	0.006601	0.021276	0	0	0.005098	0.00207	0.002518	0.654723	1.718255	0.005576	0.476533	85.46894
LOC107131788	1	0	0.042504	0	0	0	0	0	0	0	0	0.008501	0	0
LOC107131790	1	0.015031	0.025461	0.032826	0.018005	0	0	0	0	0	0	0.018265	0	0
LOC107131791	1	0.068794	0	0	0	0	0	0	0	0	0	0.013759	0	0
LOC107131792	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131795	0.00367	0.045377	0.136651	0.181685	0.205346	0.157342	0	0	0	0	0	0.14528	0	0
LOC107131798	1	0	0.003609	0	0	0	0	0	0	0	0	0.000722	0	0
LOC107131800	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131802	1	1.775237	2.673047	1.4462	2.329074	4.052741	0	0.059878	0	0.582688	0	2.45526	0.128513	0.052342
LOC107131805	1	0.006624	0.004675	0.001808	0.004959	0.004494	0	0.003519	0.00642	0	0.005506	0.004512	0.003089	0.684566
LOC107131807	0.016185	0.259092	0.225073	0.362723	0.270575	0.54084	0	0	0	0	0.022087	0.331661	0.004417	0.013319
LOC107131808	1	0.089518	0	0	0	0	0	0	0	0	0	0.017904	0	0
LOC107131810	1	0.019073	0.014249	0.026274	0.017575	0.008759	0.001536	0.002494	0.009858	0.027304	0.011706	0.017186	0.01058	0.615612
LOC107131811	1	0.078254	0	0	0	0	0.273018	0.055428	0.067414	0	0	0.015651	0.079172	5.058683
LOC107131812	1	0	0	0	0	0	0.438779	0	0	0	0	0	0.087756	#DIV/0!
LOC107131817	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131818	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131819	1	0	0	0	0.011113	0	0	0	0	0	0.046263	0.002223	0.009253	4.163141
LOC107131820	1	0.010149	0.01291	0.002802	0.002096	0.006648	0.001221	0.006693	0.003015	0.016282	0.012217	0.006921	0.007886	1.139359
LOC107131822	1	0.042749	0	0.062241	0.051208	0	0	0	0	0	0	0.03124	0	0
LOC107131823	1	0.003275	0.004438	0.037549	0.012161	0	0.004285	0.006263	0.014388	0.068565	0.046001	0.011484	0.0279	2.429397
LOC107131825	1	0.172247	0.073783	0.181605	0.462472	0.16118	0	0.050485	0.076752	0.122821	0.108609	0.210258	0.071734	0.34117
LOC107131831	1	0	0	0	0	0	0	0	0	0	0.068885	0	0.013777	#DIV/0!
LOC107131832	1	0.018856	0.021295	0	0	0	0	0	0	0	0	0.00803	0	0
LOC107131834	1	0.010529	0	0	0	0	0.110207	0.052207	0.136063	0	0	0.002106	0.059695	28.34709
LOC107131835	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131840	1	0.02801	0.021088	0	0	0.063342	0	0	0.012065	0	0	0.022488	0.002413	0.107303
LOC107131841	1.27E-09	0	0	0	0	0	41.63862	18.47976	12.67251	7.891581	6.305535	0	17.3976	#DIV/0!
LOC107131843	1	0	0	0.066943	0.031472	0.023766	0.229159	0.130268	0.079218	0.475378	0.232931	0.024436	0.229391	9.387381
LOC107131845	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131846	1	0.307581	0.969114	1.350206	1.374315	0.191975	0.016097	0	0.023848	0.429322	0.357911	0.838638	0.165436	0.197267
LOC107131848	1	0.152414	0.269494	0.123636	0.166926	0.224526	0.150411	0.190622	0.274608	0.045024	0.037642	0.187399	0.139661	0.745261
LOC107131849	1	0.131642	0.042475	0	0	0.204133	0	0	0	0	0	0.07565	0	0
LOC107131851	1	0	0	0	0	0	0	0	0	0	0.011336	0	0.002267	#DIV/0!
LOC107131853	1	0	0	0.070548	0	0	0	0	0	0	0.118136	0.01411	0.023627	1.674542
LOC107131854	1	0	0.009575	0.012345	0.006771	0	0	0	0	0	0	0.005738	0	0
LOC107131856	1	0.072322	0.064479	0.166261	0.072955	0.154941	0	0	0	0.019678	0.006328	0.106192	0.005201	0.048978
LOC107131857	1	0.072583	0.040984	0.059445	0.141289	0.098483	0	0.077118	0	0	0.045247	0.082557	0.024473	0.296437
LOC107131858	1	0	0.074628	0.115459	0.094993	0	0	0	0	0	0	0.057016	0	0
LOC107131859	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131861	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131862	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131863	1	0	0	0	0	0.195644	0	0	0	0	0	0.039129	0	0
LOC107131864	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC107131866	1	0.15238	0	0.249595	0.182536	0	0.398728	0.08095	0.393818	0.196938	0	0.116902	0.214087	1.831335
LOC107131869	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131871	1	0.005374	0	0	0	0	0	0	0	0	0	0.001075	0	0
LOC107131872	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131873	1	0.158488	0	0	0	0	0	0	0	0	0	0.031698	0	0
LOC107131874	1	0	0	0.432045	0.136135	0	0.154192	0.053664	0	0	0	0.113636	0.041571	0.365829
LOC107131876	1	0.043257	0.065134	0	0.004318	0.034238	0.094325	0.10724	0.144403	0.149083	0.035954	0.029389	0.106201	3.613571
LOC107131877	1	0	0	0.033606	0	0	0	0	0	0	0	0.006721	0	0
LOC107131878	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131880	1	0	0	0	0	0	0	0.037864	0	0	0	0	0.007573	#DIV/0!
LOC107131881	1	0.33165	0.299628	1.055425	1.74804	0.12857	8.281456	1.389345	2.693841	5.976298	2.142246	0.712663	4.096637	5.748355
LOC107131882	1	0	0.028661	0.997704	0	0	0	0	0	0	0	0.205273	0	0
LOC107131883	1	0.168187	0	0	0	0	0	0	0	0	0	0.033637	0	0
LOC107131885	1	0.035177	0.013904	0.005762	0.006321	0	0	0.001869	0	0.03637	0.04678	0.012233	0.017004	1.390042
LOC107131887	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131893	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131895	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131896	1	0.340474	0.346934	1.034178	0.764137	0.196469	0	0.178794	0.111256	0.738445	0.302508	0.536438	0.266201	0.496237
LOC107131898	1	0.00823	0.013941	0	0.009859	0.022334	0	0	0	0	0	0.010873	0	0
LOC107131899	1	0.006786	0.002554	0	0	0	0	0	0	0	0.026321	0.001868	0.005264	2.817988
LOC107131904	0.631426	0.002815	0.003346	0.009384	0.003372	0.001608	0	0	0	0	0	0.004105	0	0
LOC107131906	0.004762	0.594332	0.201355	0.648999	0	0.967692	30.79229	6.188332	6.912074	12.59717	40.50708	0.482475	19.39939	40.20803
LOC107131907	1	0.008172	0.006293	0.030017	0.024919	0.004032	0	0.000789	0.00864	0.04993	0.127207	0.014687	0.037313	2.540616
LOC107131912	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131913	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131918	1	0.017718	0	0.019348	0	0	0	0	0	0	0	0.007413	0	0
LOC107131919	1	0	0.030213	0.408999	0.352525	0	0	0	0	0	0.667096	0.158347	0.133419	0.842573
LOC107131925	1	0.139427	0.094474	0.365405	0.133615	0	0	0.088883	0	0	0	0.146584	0.017777	0.121272
LOC107131926	1	0	0	0.021662	0.035644	0	0.025954	0.021077	0.025634	0.025638	0	0.011461	0.01966	1.715384
LOC107131929	1	0.031805	0.035918	0.104191	0.114297	0.129463	0	0	0	0	0.039653	0.083135	0.007931	0.095394
LOC107131930	0.491146	0.076709	0.075799	0.00698	0.011486	0.060714	0	0	0	0	0	0.046338	0	0
LOC107131932	1	0.019927	0	0	0	0.027037	0.469272	0.40226	0.566493	0	0	0.009393	0.287605	30.61982
LOC107131933	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131935	1	0	0	0.083936	0.053712	0	0	0	0	0	0	0.02753	0	0
LOC107131936	2.43E-06	0.004722	0.002666	0	0	0	0.247122	0.130444	0.128141	0.311246	0.47883	0.001478	0.259157	175.3804
LOC107131937	1	0	0	0.021673	0	0	0	0	0	0	0.008248	0.004335	0.00165	0.380578
LOC107131939	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131940	0.004882	0.079693	0.059998	0	0	0	87.02596	37.0296	71.19381	0	0	0.027938	39.04987	1397.726
LOC107131941	1	0	0	0	0	0.003578	0	0	0.013631	0	0	0.000716	0.002726	3.809515
LOC107131942	1	0	0.00191	0.443264	0.709125	0	0.008851	0	0	0.926835	0.863163	0.23086	0.35977	1.558391
LOC107131944	1	0.056836	0.088255	0.172228	0.197444	0.080974	0.007436	0.016606	0	0	0.017715	0.119147	0.008352	0.070094
LOC107131946	1	0.013587	0.020459	0.032583	0.016914	0.002892	0	0.000566	0.000689	0.11569	0.007972	0.017287	0.024983	1.445211
LOC107131948	1	2.150099	2.300323	3.139641	2.706126	3.525818	3.860394	1.353734	2.707996	2.40505	0.884836	2.764401	2.242402	0.811171
LOC107131949	1	0	0	0	0.029897	0	0	0	0	0	0	0.005979	0	0
LOC107131950	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131952	1	0.010789	0.011423	0.010309	0.020195	0.014639	0.003529	0.007165	0.005228	0.177789	0.01121	0.013471	0.040984	3.042391

LOC107131957	1	0	0	0	0	0	0	0	0	0	0.044537	0	0.008907	#DIV/0!
LOC107131958	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131959	7.70E-07	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131960	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131962	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131963	1.19E-10	0.03661	0.082688	0	0.08771	0	28.16397	22.48252	16.9363	3.974459	16.24905	0.041401	17.56126	424.1707
LOC107131968	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131971	1	0.071042	0.080228	0.016926	0.029398	0.035052	0.067597	0.013724	0.026706	0.060097	0.062268	0.046529	0.046079	0.990316
LOC107131974	1	0.301163	0.207842	0	0	1.135081	0.218901	0.017777	0.151344	0	0	0.328817	0.077604	0.23601
LOC107131975	0.488723	0.720985	0.764413	0.23595	0.253552	0.682088	0	0	0	0.056991	0.054978	0.531398	0.022394	0.042141
LOC107131985	1	0.054915	0	0	0	0	0	0	0	0	0	0.010983	0	0
LOC107131987	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131989	1	0	0	0	0	0	0.848924	0.689397	0.605562	0	0	0	0.428777	#DIV/0!
LOC107131991	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131992	1	0	0.00505	0.043946	0.014731	0	0	0	0.005778	0.832203	1.365879	0.012745	0.440772	34.58293
LOC107131993	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107131995	1	0	0	0	0	0	0	0	0	4.427573	4.169458	0	1.719406	#DIV/0!
LOC107131996	1	0	0.167663	0	0	0	2.719389	1.735149	1.726652	0.767513	1.850993	0.033533	1.759939	52.48446
LOC107131998	1	0	0	0.026462	0.029029	0	0	0	0	0	0	0.011098	0	0
LOC107132001	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132002	1	0.075206	0	0	0	0	0	0.029056	0.01767	0	0	0.015041	0.009345	0.621304
LOC107132005	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132006	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132007	1	0	0.01629	0	0.017279	0	0	0	0	0	0.023979	0.006714	0.004796	0.714306
LOC107132010	1	0.092493	0.024105	0.062154	0.034091	0.025743	0	0	0	0	0	0.047717	0	0
LOC107132011	1	0.014849	0.012577	0	0	0	0.019428	0.007889	0.038378	0.095958	0.030856	0.005485	0.038502	7.019016
LOC107132012	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132013	1	0	0	0	0.10134	0	0	0	0	0	0	0.020268	0	0
LOC107132014	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132015	1	0.100433	0	0	0	0	0	0	0	0	0.083476	0.020087	0.016695	0.831167
LOC107132016	1	0.005299	0.002938	0.002946	0.001616	0	0.000504	0.002866	0.004233	0.021418	0.008008	0.00256	0.007406	2.893235
LOC107132032	1	0.113815	0.11129	0.175816	0.084796	0.033899	0.101693	0.162217	0.315672	0.459226	0.023073	0.103923	0.212376	2.043588
LOC107132034	1	0.180441	0.233961	0.259068	0.194134	0.163219	0.026231	0.085206	0.094995	0.423221	0.247183	0.206165	0.175367	0.850617
LOC107132037	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132043	1	0.019504	0.004005	0.042597	0.027612	0	0.018559	0.011303	0	0.054998	0.032423	0.018744	0.023457	1.251447
LOC107132045	1	5.273492	6.403745	4.957442	4.673194	8.010145	4.336169	5.208636	7.784836	7.763659	2.467764	5.863604	5.512213	0.940073
LOC107132046	1	0.003885	0.002507	0.003636	0.002659	0	0	0	0	0	0	0.002538	0	0
LOC107132047	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132048	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132050	1	0.144166	0.162807	0	0	0.035565	0	0.02785	0	0	0	0.068508	0.00557	0.081303
LOC107132052	0.001891	0.011188	0.004212	0	0	0	15.49632	10.96768	11.99959	0	0	0.00308	7.69272	2497.714
LOC107132057	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132058	0.631996	0.39059	0.147032	0.071086	0	0	15.84167	5.602396	10.59931	0.841338	0.270538	0.121742	6.631051	54.46821
LOC107132061	1	0.030027	0.027925	0.027002	0	0.023966	0	0.01126	0.036519	0	0.005872	0.021784	0.01073	0.492571
LOC107132064	0.18665	0	0	0	0	0	9.465384	0.934867	2.172971	0	0	0	2.514644	#DIV/0!
LOC107132065	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC107132067	5.88E-06	0.316532	0.079436	0.07681	0	0	32.76217	11.06076	8.635058	5.999966	6.898821	0.094556	13.07135	138.2399
LOC107132068	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132069	1	0.038884	0	0	0	0	0	0	0	0	0	0.007777	0	0
LOC107132070	1	1.012695	1.247609	1.199193	1.051616	0.910092	0.447383	0.719637	1.801485	0.764893	0.065588	1.084241	0.759797	0.700764
LOC107132071	1	0.00845	0.011069	0.002953	0.004454	0	0.012381	0.0158	0.031446	0.096098	0.057869	0.005385	0.042719	7.933121
LOC107132072	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132075	1	0	0	0	0.014403	0.130513	0.18877	0	0	0	0.159898	0.028983	0.069734	2.406012
LOC107132076	1	0.115693	0	0	0	0	8.678274	12.04628	5.182715	0	0	0.023139	5.181454	223.9306
LOC107132077	1	0	0.017227	0	0	0	0	0.010805	0	0	0	0.003445	0.002161	0.627214
LOC107132078	1	0.003813	0.002153	0.326868	0.085646	0	0.009978	0.002026	0.002464	0.123205	0.05388	0.083696	0.03831	0.457732
LOC107132082	1	0	0	0	0.083634	0	0	0	0	0	0	0.016727	0	0
LOC107132086	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132087	1	0.004813	0	0	0.005766	0	0	0	0	0	0	0.002116	0	0
LOC107132092	0.701087	0.072215	0.045185	0.034101	0.022211	0.029131	0	0	0	0.005045	0.003244	0.040569	0.001658	0.040866
LOC107132093	1	0.008343	0.016958	0	0.011992	0.013583	0.034928	0.017728	0	0	0	0.010175	0.010531	1.034958
LOC107132094	1	0.132571	0.099809	0	0	0	0.462525	0	0	0.228448	0.073459	0.046476	0.152886	3.289581
LOC107132098	1	0.040294	0.025629	0.027311	0.017199	0.069127	0	0.004921	0.003591	0.007183	0.00154	0.035912	0.003447	0.095983
LOC107132121	1	0.007559	0.012093	0.005503	0.012073	0	0.006593	0	0	0	0.001047	0.007446	0.001528	0.205227
LOC107132170	1	0.033597	0.039748	0.01747	0.019165	0.008683	0.008373	0.010199	0.045483	0.049625	0.007979	0.023733	0.024331	1.025226
LOC107132171	1	0.041081	0.023197	0	0	0	2.04241	0.290984	0.33621	0	0	0.012856	0.533921	41.53244
LOC107132172	1	0.124652	0	0	0	0	0	0	0	0.214802	0.069071	0.02493	0.056775	2.277324
LOC107132174	1	0.00782	0.020312	0.051237	0.059017	0.010611	0.090036	0.041544	0.034358	0.036385	0.032499	0.029799	0.046964	1.576024
LOC107132175	1	0.214176	0.343994	0.426175	0.319275	0.025831	0.149447	0.465227	0.897943	0.541305	0.379768	0.26589	0.486738	1.830598
LOC107132176	1	0	0	0	0	0	0.460204	0.133473	0.064934	0.129887	0.083532	0	0.174406	#DIV/0!
LOC107132181	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132188	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132189	0.095114	0	0.204592	0.263773	0.289357	0	2.212236	2.823104	1.560711	11.55094	19.67568	0.151544	7.564536	49.91631
LOC107132190	1	0.013042	0.004038	0.114848	0.076348	0.002283	0.001101	0.003576	0.002718	0.001087	0.00035	0.042112	0.001766	0.041945
LOC107132192	0.000663	0.001531	0.002306	0.001115	0.001682	0.000346	0.034062	0.017627	0.031994	0.030349	0.042006	0.001396	0.031207	22.35401
LOC107132196	1	0.013203	0	0.043251	0	0.107484	0	0	0	0	0	0.032788	0	0
LOC107132199	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132202	1	0.004195	0.001579	0	0	0	0	0	0	0	0	0.001155	0	0
LOC107132203	1	0	0.008022	0	0	0	0	0.015094	0	0	0	0.001604	0.003019	1.881642
LOC107132205	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132207	1	0.122511	0.009223	0.089186	0.045657	0.092348	0	0	0.003518	0.042222	0	0.071785	0.009148	0.127437
LOC107132208	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132213	1	1.275317	1.619703	0	0	1.651502	0.243434	0.090607	0.090164	0	0	0.909304	0.084841	0.093303
LOC107132214	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132220	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132222	1	0.003507	0	0	0	0	0	0	0	0	0	0.000701	0	0
LOC107132224	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132225	1	0.033183	0.04602	0.029242	0.0265	0.047393	0	0	0.003009	0.006019	0.011613	0.036468	0.004128	0.113202
LOC107132226	1	0	0.007384	0.00714	0	0	0	0	0	0	0.010869	0.002905	0.002174	0.748365
LOC107132227	1	0	0	0	0.044727	0	0	0	0	0	0	0.008945	0	0
LOC107132228	1	0.884418	1.05753	0.568098	0.18696	0.423533	0.816785	0.331649	0.134455	0	0	0.624108	0.256578	0.411111
LOC107132229	1	0.074686	0.111804	0.053106	0.079063	0.0707	0.036359	0.007382	0.008978	0.179581	0.040422	0.077872	0.054544	0.700437

LOC107132230	1	0.045585	0	0	0	0	0	0	0	0	0	0.009117	0	0
LOC107132231	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132232	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132235	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132237	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132239	1	0.017915	0.003372	0	0	0	0	0.006345	0.007717	0	0	0.004257	0.002812	0.660568
LOC107132240	1	0.101751	0.102437	0.01292	0.011811	0.041739	0.030959	0.121516	0.117215	0.093785	0.087194	0.054131	0.090134	1.665096
LOC107132241	1	0.014181	0.014413	0.009291	0.010193	0.003848	0.003711	0.007534	0.012828	0.073312	0.042433	0.010385	0.027963	2.692571
LOC107132243	1	2.455451	5.433493	0	0	4.50222	20.31717	19.17861	13.97829	0	0	2.478233	10.69481	4.3155
LOC107132245	1	0.032872	0	0	0	0	0	0.162987	0.113274	0	0.091074	0.006574	0.073467	11.1747
LOC107132246	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132247	5.51E-23	0.360181	0	0.224749	0.184911	0.139631	644.921	268.2065	153.5932	43.62416	118.7219	0.181894	245.8134	1351.407
LOC107132251	1	0.005946	0.005372	0.085711	0.101148	0.003227	0	0	0	0.012296	0.04547	0.040281	0.011553	0.286816
LOC107132253	1	0.003193	0.007212	0.018596	0.01275	0.020219	0	0.004523	0.013754	0	0.007077	0.012394	0.005071	0.409147
LOC107132254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132255	1	0.092218	0.072136	0.038896	0.023078	0.032298	0.007618	0.007096	0.009073	0.017706	0.016226	0.051725	0.011544	0.223176
LOC107132260	0.054339	0.032891	0.037144	0	0	0	18.93435	11.74188	4.250273	0	0	0.014007	6.985302	498.6976
LOC107132261	1	0.001464	0.002893	0.001599	0.000877	0.000993	0	0	0	0.003784	0.001217	0.001565	0.001	0.639024
LOC107132262	0.298339	0.488001	0.59973	0.313464	0.369657	0.155797	0	0	0.037094	0	0.023859	0.38533	0.012191	0.031637
LOC107132265	1	0.207811	0.190679	0.045385	0.080904	0.437045	0	0.077278	0.013427	0	0.021591	0.192365	0.022459	0.116752
LOC107132268	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132270	1	0.339981	0.348725	0.33386	0.364044	0.320254	0	0.014293	0.003161	0.14225	0.058956	0.341373	0.043732	0.128106
LOC107132272	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132275	1	0.020022	0.045223	0.087456	0.035977	0.108668	0	0.063819	0.284605	0.051754	0.499255	0.059469	0.179887	3.024883
LOC107132278	1	0	0	0	0.54872	0	1.198616	0	0	0	0	0.109744	0.239723	2.184387
LOC107132282	0.02503	0	0	0	0.044905	0	1.961806	0.238973	0.484412	4.457242	6.792395	0.008981	2.786966	310.3166
LOC107132283	1	0.747544	0.885895	0	0.022111	0.826462	0	0	0	0	0	0.496402	0	0
LOC107132284	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132285	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132286	1	0.019482	0.044003	0	0	0	0	0	0	0	0	0.012697	0	0
LOC107132288	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132290	1	0	0	0	0	0	0.20004	0.189524	0.164648	0	0	0	0.110842	#DIV/0!
LOC107132293	1	0.030341	0	0	0	0	0.793914	0.128945	0.078414	0.784252	1.361781	0.006068	0.629461	103.7322
LOC107132296	1	0.080803	0.140787	0.15126	0.10509	0.100239	0.072492	0.044152	0.161098	0	0.03454	0.115636	0.062456	0.540111
LOC107132298	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132300	1	0.091614	0	0.080033	0	0	0	0	0	0	0	0.034329	0	0
LOC107132301	0.00871	0.09441	0.145563	0.040744	0.046727	0.05216	0	0.003604	0	0.002923	0.004699	0.075921	0.002245	0.029571
LOC107132302	1	2.286971	0.978291	0	0	0.470158	1.994745	0.589054	0.985091	0	0	0.747084	0.713778	0.955419
LOC107132303	9.39E-07	0	0	0	0	0	1.665873	6.76414	4.456183	2.056999	4.189136	0	3.826466	#DIV/0!
LOC107132304	1	0	0.060737	0	0.012885	0	0	0.022857	0	0	0.125166	0.014724	0.029605	2.010584
LOC107132305	1	0.047355	0	0	0.011345	0	0	0	0	0.146884	0	0.01174	0.029377	2.502288
LOC107132306	1	0.001513	0	0	0	0	0	0	0	0	0	0.000303	0	0
LOC107132308	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132310	1	0.002118	0.001595	0	0	0.001916	0.003695	0.006001	0.003649	0	0	0.001126	0.002669	2.370966
LOC107132314	1	0.151215	0.136614	0	0	0	0	0	0	0	0	0.057566	0	0
LOC107132315	1	0.21802	0	0	0	0	0.651983	0.860381	1.28791	0	0	0.043604	0.560055	12.84411

LOC107132316	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132317	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132318	1	0.05428	0	0	0	0	0	0	0	0	0	0.010856	0	0
LOC107132320	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132327	1	1.169356	1.527258	2.487207	3.154766	2.566192	1.011069	1.944644	0.683265	0.525665	1.149413	2.180956	1.062811	0.487314
LOC107132328	1	0	0	0	0	0	0	0.037667	0	0	0	0	0.007533	#DIV/0!
LOC107132335	1	0	0	0	0	0	0.11237	0.015209	0	0	0	0	0.025516	#DIV/0!
LOC107132336	1	0	0	0	0	0	0	0	0	0	0.059269	0	0.011854	#DIV/0!
LOC107132338	0.905915	0	0	0	0	0.296309	72.85773	21.69441	18.48399	0	0	0.059262	22.60722	381.4807
LOC107132339	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132340	1	0.000871	0	0	0	0	0	0.003702	0	0	0	0.000174	0.00074	4.249899
LOC107132342	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132343	1	0	0	0.416413	0.228401	0	0.249458	0	0.246386	0.985689	0	0.128963	0.296307	2.297613
LOC107132344	1	0.189793	0.233819	0	0	0.795964	0	0	0	0	0	0.243915	0	0
LOC107132345	1	0.037443	0.038761	0.102218	0.044853	0.118543	0	0	0	0	0.015561	0.068364	0.003112	0.045523
LOC107132346	0.789815	0.005827	0	0	0	0	1.463777	0.941061	0.527097	0	0	0.001165	0.586387	503.1514
LOC107132348	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132349	1	0.015348	0	0	0	0	1.044177	0.967543	0.64788	0	0	0.00307	0.53192	173.286
LOC107132350	1	0.047188	0	0	0	0	0	0	0	0	0	0.009438	0	0
LOC107132351	1	0.00682	0.000963	0	0	0.002314	0.138312	0	0.002203	0	0	0.002019	0.028103	13.91691
LOC107132358	1	0	0	0	0.02063	0	0	0.018298	0	0	0	0.004126	0.00366	0.886952
LOC107132360	1	0.011204	0.006326	0.012235	0	0	0	0	0	0	0	0.005953	0	0
LOC107132365	1	0	0.010547	0	0	0	0	0	0	0	0	0.002109	0	0
LOC107132367	1	0	0	0	0.012076	0	0	0	0	0	0	0.002415	0	0
LOC107132371	1	0	0.00718	0	0.002539	0	0	0	0.005477	0.098602	0	0.001944	0.020816	10.70938
LOC107132374	1	0	0	0.01955	0.042893	0	0	0	0	0	0	0.012489	0	0
LOC107132376	9.73E-08	0.005851	0.013215	0.012778	0	0	0.79609	0.808115	0.967738	1.240095	1.847918	0.006369	1.131991	177.7452
LOC107132378	1	0.027894	0.029648	0	0	0.026716	0.017174	0.013947	0.008481	0	0	0.016852	0.00792	0.470008
LOC107132380	1	0.01979	0.089397	0	0	0	0.207137	0.168213	0.051147	1.023081	0.098694	0.021837	0.309654	14.18001
LOC107132382	1	0.096186	0.115014	0.255376	0.151369	0.028149	0.024675	0.008015	0.012186	0.02925	0.021946	0.129219	0.019215	0.148697
LOC107132385	1	0.004099	0.0081	0.006713	0.003273	0.001854	0.001787	0.002903	0.006179	0.014126	0.009652	0.004808	0.006929	1.441301
LOC107132386	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132393	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132394	1	0.027865	0.015734	0	0	0	0	0	0	0.432153	0	0.00872	0.086431	9.912048
LOC107132395	0.000907	0.105117	0.03957	0	0	0.190168	989.8331	231.2604	379.3399	0	0	0.066971	320.0867	4779.482
LOC107132398	0.427471	1.152448	1.862099	3.147008	2.283153	1.25532	0.24462	0.255165	0.762313	0.712429	0.183537	1.940006	0.431613	0.22248
LOC107132399	1	0.071185	0.174177	0.103643	0.085272	0.321953	0	0	0	0	0	0.151246	0	0
LOC107132401	1	0.013088	0	0	0.015678	0	0	0	0	0.270635	0.043512	0.005753	0.062829	10.92101
LOC107132410	1	1.09258	1.714412	1.004696	0.881715	2.153456	0	0	0	0.059455	0.420601	1.369372	0.096011	0.070113
LOC107132414	1	0	0	0.008058	0	0	0	0	0	0	0	0.001612	0	0
LOC107132417	1	0.010066	0.011931	0.00536	0.003637	0.00158	0.011319	0.004243	0.004085	0.032469	0.009196	0.006515	0.012262	1.882236
LOC107132419	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132420	0.558694	0.002923	0	0	0	0	0.03059	0.068315	0.067981	0.181308	0.019434	0.000585	0.073525	125.7861
LOC107132422	1	0.009016	0.003703	0	0.000982	0	0	0	0	0	0.002725	0.00274	0.000545	0.198902
LOC107132424	1	0.088868	0.096898	0.056409	0.040379	0.061774	0	0	0.003394	0.006789	0.028381	0.068866	0.007713	0.112
LOC107132427	1	0	0	0.059531	0	0	0	0	0	0.140915	0	0.011906	0.028183	2.367093

LOC107132431	1	0	0.004564	0	0	0.005484	0	0	0	0	0	0.00201	0	0
LOC107132435	1	0.007509	0.00424	0.020498	0.044973	0	0.009824	0.007978	0.009703	0.067929	0.090493	0.015444	0.037185	2.407783
LOC107132437	1	0.005134	0	0	0	0	0	0	0	0	0	0.001027	0	0
LOC107132438	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132445	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132446	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132447	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132448	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132449	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132450	3.40E-11	2.591508	2.728769	2.216406	3.147769	8.048852	0	0	0.031224	0.031229	0	3.746661	0.012491	0.003334
LOC107132452	1	0.02513	0.020181	0.00122	0.004014	0.001515	0	0	0	0	0	0.010412	0	0
LOC107132453	1	0	0	0	0	0	0	0	0	0.260296	0.0837	0	0.068799	#DIV/0!
LOC107132454	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132456	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132458	1	0.059148	0.059603	0.105329	0.041422	0.009877	0.004762	0.003867	0.018814	0.037634	0.019665	0.055076	0.016948	0.307729
LOC107132461	1	0	0	0	0	0	0	0	0	0	0.116287	0	0.023257	#DIV/0!
LOC107132462	1	0	0.003223	0	0	0	0	0	0	0	0	0.000645	0	0
LOC107132464	1	0.007892	0.002228	0	0	0	0	0	0	0	0	0.002024	0	0
LOC107132465	1	0.041731	0.044632	0.038883	0.019436	0.012507	0.004295	0.010598	0.019254	0.036881	0.01973	0.031438	0.018152	0.577383
LOC107132468	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132469	1	0	0	0	0	0	0.108754	0	0.026854	0	0	0	0.027122	#DIV/0!
LOC107132470	1	0.003503	0	0.005737	0.009441	0	0.004583	0	0.002263	0.022635	0.030569	0.003736	0.01201	3.214513
LOC107132472	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132473	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132475	1	0.105622	0.152827	0.382054	1.356176	0.08957	6.702138	12.76508	8.786337	0.92142	0.021947	0.41725	5.839385	13.99495
LOC107132477	1	0.06034	0.068143	0	0.01807	0	0	0	0	0	0	0.029311	0	0
LOC107132478	1	0	0	0.103534	0	0	0	0	0	0	0	0.020707	0	0
LOC107132482	1	0.029472	0.016641	0.064365	0.017652	0	0.038559	0	0.266588	0.304717	0.036744	0.025626	0.129322	5.046487
LOC107132485	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132486	0.002782	0.184327	0.183253	0.14451	0.311391	0.141083	0	0.010043	0.012215	0.008144	0.007857	0.192913	0.007652	0.039665
LOC107132487	0.000161	0.277209	0.026088	0	0.110689	0	53.43497	3.337974	5.671736	8.837253	3.801708	0.082797	15.01673	181.368
LOC107132490	1	0.153766	0.145074	0.210418	0.240154	0.100356	0.035652	0.039292	0.133305	0.875413	1.132452	0.169954	0.443223	2.607904
LOC107132495	1	0	0	0	0.004851	0	0	0	0	0	0	0.00097	0	0
LOC107132498	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132500	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132502	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132508	1	0	0.013327	0	0	0	0	0	0	0	0	0.002665	0	0
LOC107132515	1	0.037524	0.063565	0	0	0	0	0.079737	0	0	0	0.020218	0.015947	0.788783
LOC107132516	1	0	0	0	0	0	0	0.14003	0	0	0	0	0.028006	#DIV/0!
LOC107132519	1	0.022923	0.014793	0.032184	0.023537	0.008887	0	0	0	0.008465	0.008166	0.020465	0.003326	0.162527
LOC107132523	1	0.005938	0.005216	0.020174	0.003952	0	0.003453	0	0	0.010233	0.00329	0.007056	0.003395	0.48119
LOC107132524	1	0.037365	0.049868	0.09644	0.02577	0.018436	0.005926	0.016842	0	0.01756	0.003764	0.045576	0.008818	0.193489
LOC107132529	1	0.080952	0.121893	0.29466	0	0	0.141216	0.114679	0	9.904332	0.269139	0.099501	2.085873	20.96333
LOC107132530	1	0.018071	0.016326	0.027626	0.010823	0	0	0	0	0	0	0.014569	0	0
LOC107132531	1	2.049566	1.696749	3.441837	1.760674	0.675842	0	0	0	0	0.298627	1.924933	0.059725	0.031027
LOC107132532	1	0.00456	0.00515	0	0	0	0	0	0	0	0	0.001942	0	0

LOC107132534	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132535	1	0	0.061078	0.014765	0	0	0	0	0	0.03495	0	0.015169	0.00699	0.460817
LOC107132537	1	1.109063	1.093528	2.569692	1.820841	0.794421	0	0.107667	0.189147	1.97906	1.927859	1.477509	0.840747	0.56903
LOC107132546	1	0.018228	0.034308	0	0	0	0.031798	0	0.015703	0	0	0.010507	0.0095	0.904151
LOC107132550	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132551	1	0.01681	0.020293	0.009494	0.013193	0.002359	0.039435	0.020323	0.035205	0.062928	0.046251	0.01243	0.040829	3.284724
LOC107132552	1	0.092274	0.034735	0	0	0	0.032193	0	0	0	0	0.025402	0.006439	0.253473
LOC107132554	1	0.032409	0	0	0	0	0	0	0	0	0	0.006482	0	0
LOC107132556	1	0	0	0.18476	0	0	0.442732	0.089884	0.10932	0.874688	0.070316	0.036952	0.317388	8.589196
LOC107132560	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132563	1	0	0	0	0	0	0.259331	0.210599	0.384207	0.768525	0.3295	0	0.390432	#DIV/0!
LOC107132565	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132567	1	0.00612	0.013822	0.020047	0.025657	0	0	0.013004	0	0	0	0.013129	0.002601	0.19809
LOC107132568	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132569	1	0.044957	0.038078	0.073639	0.094244	0	0	0.047766	0.087142	0	0	0.050184	0.026982	0.537657
LOC107132570	1	0.063969	0.055805	0.086485	0.069736	0.070722	0.003543	0.014384	0.013121	0.041993	0.005626	0.069343	0.015734	0.226892
LOC107132571	1	0	0	0	0	0	0	0	0	0	0.058519	0	0.011704	#DIV/0!
LOC107132573	1	0.004738	0	0	0	0	0	0	0.006122	0.012247	0	0.000948	0.003674	3.877041
LOC107132577	1	0.098478	0.064386	0.039619	0.065192	0.154717	0.461121	0.077096	0.120558	2.344531	2.813125	0.084478	1.163286	13.77021
LOC107132585	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132586	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132587	1	0.166011	0.130419	0	0	0.156695	0	0	0	0	0	0.090625	0	0
LOC107132588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132589	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132591	1	0.003954	0.006698	0	0.004737	0.005365	0	0	0	0	0	0.004151	0	0
LOC107132594	1	0.099898	0	0	0	0	0.174267	0.283038	0	0	0	0.01998	0.091461	4.577709
LOC107132600	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132603	1	0.009731	0.007992	0	0	0.004801	0	0	0	0	0	0.004505	0	0
LOC107132604	1	0.005058	0.009792	0.025248	0.01731	0.007843	0.007563	0.004606	0.007469	0.041088	0.044441	0.01305	0.021033	1.611732
LOC107132606	1	1.053562	1.344984	0.140057	0.395078	0.870136	2.445176	2.978531	2.983318	3.410003	1.142198	0.760763	2.591845	3.406901
LOC107132607	1	0.019932	0.059087	0.097944	0.062675	0.067611	0.052155	0.211772	0.43786	0.141681	0.062125	0.06145	0.181119	2.947428
LOC107132610	1	0.076374	0.139326	0.189892	0.063338	0.073336	0	0.012484	0.05466	0.15793	0.050783	0.108453	0.055171	0.508713
LOC107132615	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132616	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132617	1	0.459627	0.51906	0.446137	0.091764	0.831518	0.133632	0.08139	0	0	0.445698	0.469621	0.132144	0.281385
LOC107132618	1	0.004305	0.00226	0.053762	0.054909	0.000658	0.001904	0.002963	0.010812	0.06363	0.032757	0.023179	0.022413	0.966976
LOC107132619	1	0	0	0	0	0	0	0.029562	0	0	0	0	0.005912	#DIV/0!
LOC107132623	1	0.003232	0.023724	0.024705	0.003872	0	0	0.020603	0.04594	0.601489	0.263257	0.011106	0.186258	16.77025
LOC107132625	1	0.032442	0.016048	0.054456	0.054599	0.017462	0.019644	0.022219	0.032568	0.174643	0.090031	0.035001	0.067821	1.937664
LOC107132626	1	0	0.045174	0	0	0	0	0	0	0	0	0.009035	0	0
LOC107132627	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132628	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132629	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132636	1	0	0	0	0	0	0.017242	0	0	0	0	0	0.003448	#DIV/0!
LOC107132639	1	0.169548	0.218189	0.095681	0.056679	0.101055	0.02522	0.036307	0.121153	0.269519	0.177701	0.128231	0.12598	0.98245
LOC107132640	1	0.025032	0.022615	0.061959	0.035983	0.018114	0	0	0	0.034509	0.008322	0.032741	0.008566	0.261638

LOC107132643	2.61E-23	0.030324	0	0.044151	0.024217	0.05486	44.80553	11.59879	17.37236	10.34655	26.8681	0.030711	22.19826	722.8213
LOC107132644	1	0.017782	0.018537	0.005975	0.006554	0	0	0	0	0	0	0.00977	0	0
LOC107132646	1	0.008492	0.00959	0.013601	0.00746	0.001536	0	0.014436	0.03219	0.128779	0.031998	0.008136	0.041481	5.098426
LOC107132648	1	0.024997	0.00941	0.018197	0	0	0	0.017706	0.258411	0.73227	0.096957	0.010521	0.221069	21.01265
LOC107132649	0.026316	1.197967	1.999662	0.020847	0.034304	2.460832	0	0.020284	0	0	0	1.142723	0.004057	0.00355
LOC107132652	1	0.003307	0.003735	0	0	0	0.034614	0.014055	0	0.153867	0.060472	0.001408	0.052602	37.34972
LOC107132655	1	0.0272	0.024635	0.015292	0.012259	0.01827	0.004228	0.010301	0.016704	0.019491	0.006715	0.019531	0.011488	0.588182
LOC107132656	1	0.006915	0.00781	0	0.003314	0.003753	0	0.002939	0.008936	0	0	0.004358	0.002375	0.544939
LOC107132661	1	0.056569	0	0	0	0	0	0	0	0	0.094036	0.011314	0.018807	1.662334
LOC107132662	0.01428	0	0	0	0.106623	0	3.26069	1.229406	0.920154	4.371367	3.477119	0.021325	2.651747	124.3513
LOC107132664	1	0.0399	0.019591	0.018944	0.004156	0.009415	0	0.003686	0	0	0	0.018401	0.000737	0.040066
LOC107132671	1	0	0	0	0.044113	0	0	0	0.190346	0.380746	0.581551	0.008823	0.230529	26.12947
LOC107132672	1	0.016709	0.00629	0	0	0	0	0.02367	0.014394	0.028793	0	0.0046	0.013372	2.907021
LOC107132675	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132676	1	0.005557	0	0	0	0	0	0	0	0	0	0.001111	0	0
LOC107132678	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132679	1	0.024206	0.080491	1.681434	1.630265	0.047442	0	0.005715	0.017378	2.023078	0.973567	0.692768	0.603948	0.87179
LOC107132680	1	0	0	0.058125	0	0	0	0	0	0	0	0.011625	0	0
LOC107132682	1	0.023612	0.010666	0	0	0	0.164758	0.083623	0.179002	0	0	0.006856	0.085477	12.46821
LOC107132683	1	0	0	0	0.047765	0	0	0	0	0	0	0.009553	0	0
LOC107132686	1	0.047506	0	0	0	0	0	0	0	0	0	0.009501	0	0
LOC107132687	1	0.11348	0.016019	0	0	0	0	0	0	0	0	0.0259	0	0
LOC107132688	1	0.194854	0.078992	0.087293	0.07182	0.013558	0.052294	0	0.012913	0	0.049833	0.089303	0.023008	0.257637
LOC107132692	1	0.007078	0.007152	0.040677	0.023204	0	0.001949	0.004749	0.001925	0.040441	0.026008	0.015622	0.015015	0.961112
LOC107132694	0.005567	0.000924	0.002086	0.007396	0.008483	0.001671	0.394751	0.061497	0.087526	1.76988	0.003071	0.004112	0.463345	112.6835
LOC107132695	1	0.003137	0.003543	0.004567	0.007515	0.008513	0	0	0	0	0.001738	0.005455	0.000348	0.063729
LOC107132697	1	0.013367	0	0.904995	1.200934	0	0	0.014202	0	0.310966	2.288733	0.423859	0.52278	1.233381
LOC107132702	1	0	0	0.315999	0.207989	0	0.378607	0.307461	0.112184	0.4488	0.168367	0.104798	0.283084	2.701241
LOC107132705	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132707	0.009109	0.323518	0.422437	0.066239	0.201844	0.07316	0	0	0	0	0	0.217439	0	0
LOC107132711	1.47E-05	0	0	0	0	0	2.964558	3.518608	2.590201	6.75803	3.259638	0	3.818207	#DIV/0!
LOC107132713	1	0.208676	0.084164	0	0	0	0.234015	0.031673	0	0	0	0.058568	0.053138	0.907282
LOC107132714	1	0	0.002443	0.023619	0.031092	0.011739	0	0.018385	0	0	0.014382	0.013778	0.006553	0.475622
LOC107132715	1	0.007921	0	0.051898	0.028466	0	0.704711	0.521789	0.38896	0.204746	0.131675	0.017657	0.390376	22.10888
LOC107132716	1	0.009372	0.020206	0.005582	0.018371	0	0	0	0	0	0	0.010706	0	0
LOC107132718	1	0	0.005872	0	0.006229	0	0	0	0	0.02688	0	0.00242	0.005376	2.221399
LOC107132719	1	0.002798	0.00079	0.001528	0.008379	0	0	0.001486	0	0.036159	0.019766	0.002699	0.011482	4.25462
LOC107132721	1	0	0.052498	0	0	0	0	0	0	0	0	0.0105	0	0
LOC107132722	1	0.067315	0	0	0.080636	0	0	0	0	0.521991	0.16785	0.02959	0.137968	4.662626
LOC107132723	1	0	0	0	0	0	0	0	0	0.262761	0	0	0.052552	#DIV/0!
LOC107132724	1	1.043265	0.85512	1.212724	0.657615	0.747725	0.011008	0.013409	0.005436	0.315334	0.223775	0.90329	0.113792	0.125975
LOC107132726	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132727	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132732	1	0.007174	0.0027	0.010445	0.028645	0.006489	0	0	0	0	0	0.011091	0	0
LOC107132734	1	0.015686	0	0	0	0	0.547252	0.099993	0.121616	0	0	0.003137	0.153772	49.01703
LOC107132735	1	0.152169	0.162801	0.209894	0.287815	1.195344	32.56657	0.221241	0.206986	1.656125	5.764733	0.401605	8.083131	20.12709

LOC107132736	1	0	0	0	0	0.088175	0	0.069046	0	0	0.027007	0.017635	0.019211	1.089342
LOC107132740	1	0.002204	0.013687	0.007219	0.007919	0	0	0	0	0	0	0.006206	0	0
LOC107132742	1	0.005867	0.011043	0.012813	0.000781	0	0	0.005541	0.005054	0.00674	0.001084	0.006101	0.003684	0.603822
LOC107132746	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132748	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132749	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132752	1	0.01701	0.024449	0.033773	0.024081	0.016786	0	0.003286	0	0.023983	0	0.02322	0.005454	0.234876
LOC107132754	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132757	1	0.018865	0.010652	0.00515	0.007062	0.012798	0	0.005011	0	0.006095	0.00588	0.010905	0.003397	0.311516
LOC107132758	0.080207	0	0.013419	0	0	0	2.425292	4.330462	5.773594	0	0	0.002684	2.50587	933.6744
LOC107132759	1	0.172122	0.168802	0	0	0.213055	0.094818	0.28875	1.599858	0	0	0.110796	0.396685	3.580331
LOC107132760	1	0.006988	0	0	0	0	0.036572	0.007425	0.00903	0	0	0.001398	0.010605	7.588024
LOC107132761	1	0.024171	0	0	0	0	0.031624	0.012841	0	0	0	0.004834	0.008893	1.839569
LOC107132765	1	0	0.006787	0	0	0	0	0	0	0	0.189818	0.001357	0.037964	27.96792
LOC107132767	1	0.247117	0	0	0	0.167648	0.646622	0.065639	0	0	0	0.082953	0.142452	1.717262
LOC107132768	1	0.074233	0	0.162121	0	0.201443	1.165453	0	0	0.767513	0.493598	0.087559	0.485313	5.542664
LOC107132770	0.571764	0.240404	0.180993	0.208068	0.164254	0.287529	0.013979	0.032164	0.050625	0.013809	0.029602	0.21625	0.028036	0.129646
LOC107132772	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132773	1	0.013251	0.079809	0	0	0.023972	0.046231	0.028157	0.136984	0	0	0.023407	0.042274	1.806099
LOC107132775	1	0.018111	0	0.039553	0	0	0	0	0	0	0	0.011533	0	0
LOC107132778	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132779	1	0.047307	0	0	0	0	0	0	0	0	0	0.009461	0	0
LOC107132781	1	0	0	0.004263	0.001169	0	0	0.004148	0	0	0.012981	0.001087	0.003426	3.15292
LOC107132782	1	0.007398	0	0.005386	0.001477	0.003346	0	0	0	0	0	0.003522	0	0
LOC107132783	1	0	0.004255	0	0	0	0.078866	0.080057	0.175263	0	0	0.000851	0.066837	78.54629
LOC107132784	1	0.526567	0.594655	0	0.210257	0.238155	0.688924	0.279732	0.226814	5.898012	2.917765	0.313927	2.002249	6.37808
LOC107132785	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132787	1	0.023773	0.035796	0	0	0.012288	0	0.012028	0.014629	0	0	0.014372	0.005331	0.370963
LOC107132792	1	0.022546	0	0	0	0	0	0	0	0	0	0.004509	0	0
LOC107132793	0.092764	0.294319	0.34967	0.132214	0.135866	0.172074	0.033811	0.045253	0.037105	0.022266	0.028639	0.216829	0.033415	0.154107
LOC107132796	1	0.038484	0.05934	0.051721	0.079788	0.022092	0	0.003145	0	0.114778	0.142709	0.050285	0.052126	1.036622
LOC107132798	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132799	1	0	0	0.209269	0.114783	0.148586	0	0	0	0.070766	0.022755	0.094528	0.018704	0.197869
LOC107132802	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132803	1	0.071669	0.109264	0	0	0.175038	0	0	0	0	0	0.071194	0	0
LOC107132809	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132813	1	0.011748	0.050416	0.082105	0.112586	0.038257	0.012297	0.039943	0	0.024294	0.023436	0.059023	0.019994	0.338749
LOC107132816	1	0.035536	0.060197	0.038805	0.021284	0.048217	0.046493	0	0	0.459273	0.014768	0.040808	0.104107	2.551153
LOC107132820	1	0.015497	0.014167	0.042709	0.008398	0.003004	0.008689	0.00196	0.007629	0.026705	0.019934	0.016755	0.012983	0.774899
LOC107132821	1	0.043389	0.0196	0.013121	0.02159	0.009057	0.006987	0	0.001725	0	0.008877	0.021351	0.003518	0.164759
LOC107132824	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132828	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132829	1	0.007309	0.006046	0	0	0.000838	0.000539	0.000438	0	0	0	0.002839	0.000195	0.068786
LOC107132830	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132831	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132832	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC107132836	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132837	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132841	1	0.244543	0.220931	0.854515	0.703047	0.530887	0	0	0	0	0	0.510784	0	0
LOC107132842	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132843	1	0.076561	0.106413	0	0	0.223742	0	0	0	0	0	0.081343	0	0
LOC107132844	1	0.439319	0.248063	0	0	0	0	0	0	0	0	0.137476	0	0
LOC107132845	1	0.011565	0	0	0	0	0	0	0	0	0	0.002313	0	0
LOC107132849	1	0	0	0.372034	0.204059	0	0	0	0	0	0	0.115219	0	0
LOC107132851	1	0.044296	0.037823	0.101459	0.069239	0.12167	0.019789	0.05395	0.079578	0.058645	0.040409	0.074897	0.050474	0.673911
LOC107132852	1	0.665321	0.906096	0.447088	0.367839	0.210563	0.354232	0.473597	0.866143	0.273109	1.210272	0.519381	0.635471	1.223515
LOC107132853	1	0.005911	0.00445	0.001434	0.00236	0	0	0	0.003395	0.010185	0.002183	0.002831	0.003153	1.113624
LOC107132854	1	0.071641	0.059122	0.012035	0.036308	0.014955	0	0	0	0.028489	0	0.038812	0.005698	0.146804
LOC107132855	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132856	1	0.055565	0	0	0	0	0	0	0	0	0	0.011113	0	0
LOC107132861	1	0.280312	0.158279	0.153047	0.083946	0	0	0	0	1.44911	0.116493	0.135117	0.313121	2.317407
LOC107132867	1	0.137161	0.120475	0	0	0.151641	0.212684	0.215896	0.55142	0	0	0.081855	0.196	2.394468
LOC107132868	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132870	1	0.933404	0.738824	0.714405	0.344556	0.183658	0	0.005992	0.043728	0.087469	0.140631	0.58297	0.055564	0.095312
LOC107132871	1	0.026832	0.042779	0.017235	0.007563	0.008566	0.01239	0.015093	0.014277	0.118313	0.093143	0.020595	0.050643	2.459003
LOC107132873	1	0.076501	0.086392	0	0	0	0	0	0	0	0	0.032579	0	0
LOC107132877	1	0.022565	0.028572	0.152323	0.144162	0.014845	0.161032	0.040684	0.180255	0.137862	0.061381	0.072493	0.116243	1.603498
LOC107132879	1	0.072794	0	0	0	0	0.380955	0.464051	0.282198	0	0	0.014559	0.225441	15.48484
LOC107132883	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132884	1	0	0	0	0	0	0.223125	0.45299	0.220377	0	0.070874	0	0.193473	#DIV/0!
LOC107132886	1	0.118147	0.028224	0.02481	0.002722	0.012331	0.237809	0.420038	0.428657	0.38761	0.302154	0.037247	0.355254	9.53777
LOC107132887	1	0.004476	0	0	0	0	0	0	0	0	0	0.000895	0	0
LOC107132892	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132895	1	0.170219	0.18155	0.123918	0.475778	0.102649	0	0	0.02444	0	0	0.210823	0.004888	0.023185
LOC107132896	1	0.03517	0	0	0	0	0	0.074735	0	0	0	0.007034	0.014947	2.12495
LOC107132897	0.178151	0.080089	0.030148	0.349823	0.639588	0.326003	0	0	0	0	0	0.28513	0	0
LOC107132901	1	0.00221	0.005823	0.003217	0.001765	0	0	0	0	0	0.007346	0.002603	0.001469	0.564496
LOC107132904	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132908	1	0.117527	0.026545	0	0	0	0.861083	0.199792	0.364491	0	0	0.028814	0.285073	9.893413
LOC107132911	1	0.729912	0.981743	1.737389	1.002072	0.133533	0	0	0	0.042398	0.299931	0.91693	0.068466	0.074668
LOC107132912	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132916	1	0.00521	0	0	0.003121	0	0	0.005536	0.006733	0	0.025984	0.001666	0.007651	4.591583
LOC107132917	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132919	1	0	0	0.066988	0.27557	0	0	0	0	0	0	0.068512	0	0
LOC107132921	1	1.34299	1.303368	1.970635	1.457939	0.284721	0.658904	0.802628	0.596558	0.542404	3.837106	1.271931	1.28752	1.012256
LOC107132924	0.043389	0.141673	0.139623	0.052284	0.029856	0.072085	0.005149	0.009059	0.010171	0.003391	0.005452	0.087104	0.006644	0.076279
LOC107132925	1	0.022874	0.024254	0.013156	0.021335	0.008292	0.006397	0.001299	0.001579	0.01354	0.00566	0.017982	0.005695	0.316699
LOC107132926	0.040471	0.083216	0.092448	0.020693	0.02043	0.062149	0.0102	0.005292	0.002938	0.009237	0.0045	0.055787	0.006434	0.115323
LOC107132928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132931	1	0.04461	0.050379	0.194854	0	0.121057	0	0	0	0.230618	0	0.08218	0.046124	0.561252
LOC107132934	1	0.074013	0	0	0	0	0	0	0	0	0	0.014803	0	0
LOC107132935	1	0.003719	0.0021	0.063629	0.030445	0.003364	0.029196	0.003293	0.005607	0.014421	0.007728	0.020651	0.012049	0.583453

LOC107132936	1	0.059559	0	0.086716	0.14269	0	0	0	0	0.205265	0	0.057793	0.041053	0.710345
LOC107132938	1	0.085016	0.048005	0.059078	0.032404	0	0.182012	0.041058	0.139822	0.199774	0.070663	0.0449	0.126666	2.821034
LOC107132941	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132942	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132944	1	0.046744	0.047901	0.006617	0.020739	0.009396	0	0.005518	0.003356	0.002238	0.004317	0.026279	0.003086	0.117419
LOC107132945	1	0.013231	0.011546	0.00394	0.001441	0	0.028326	0.109905	0.032641	0.090163	0.081979	0.006032	0.068603	11.37381
LOC107132949	1	0.06078	0.045759	0	0	0	0	0	0	0	0	0.021308	0	0
LOC107132952	1	0	0	0.429173	0.773457	0	0	0	0	0	0.046667	0.240526	0.009333	0.038804
LOC107132953	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132955	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132958	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132959	1	0.054569	0.115034	0.021849	0.032684	0.071573	0.066635	0.085035	0	0	0	0.059142	0.030334	0.512902
LOC107132961	1	0.009026	0.002265	0.004381	0.00841	0.005443	0	0	0.007776	0.015554	0.016672	0.005905	0.008	1.354849
LOC107132962	1	0.039179	0.016089	0.062229	0	0.009665	0	0.007568	0	0.055238	0.017762	0.025432	0.016114	0.633592
LOC107132963	1	0.049929	0.030361	0.016776	0.092014	0.062534	0.080398	0.048967	0.019852	0	0.025538	0.050323	0.034951	0.694538
LOC107132964	1	0	0.031445	0	0	0	0.036429	0	0	0	0	0.006289	0.007286	1.158528
LOC107132967	2.00E-07	2.475577	2.984865	5.325261	4.771521	0.681892	0.048705	0.019776	0.048105	0.048112	0.015471	3.247823	0.036034	0.011095
LOC107132968	1	0.313565	0.223649	0	0	1.746608	0	0.140276	0.170608	0	0	0.456764	0.062177	0.136125
LOC107132969	1	0.184277	0.294815	0.30184	0.294325	0.083344	0	0	0	0.039694	0.012764	0.23172	0.010491	0.045276
LOC107132971	1	0.067409	0.080354	0.081788	0.103179	0.203251	0	0	0.009679	0	0.037352	0.107196	0.009406	0.087747
LOC107132972	1	0.01568	0.022135	0.017122	0.042262	0	0.04103	0	0	0	0	0.01944	0.008206	0.422119
LOC107132977	1	0.101211	0.028574	0.069075	0.098507	0.034332	0	0	0	0	0.010515	0.06634	0.002103	0.031702
LOC107132978	1	0.035436	0	0.30956	0.084896	0	0	0	0	0	0	0.085978	0	0
LOC107132979	1	0.024183	0.044742	0	0	0.020944	0.002693	0.00328	0.006649	0	0	0.017974	0.002524	0.140445
LOC107132980	1	0.229232	0.176643	0.070678	0.197063	0.226869	0	0	0	0.055767	0	0.180097	0.011153	0.06193
LOC107132982	1	0.001205	0.005445	0.003948	0.001444	0.004906	0	0.006403	0.003115	0.021808	0.020036	0.00339	0.010272	3.030522
LOC107132983	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132985	1	0	0.49039	0.711272	0	0	5.681301	2.652872	1.402836	0.561216	0	0.240332	2.059645	8.569983
LOC107132986	1	0.003833	0.13851	0.117191	0.110192	0.114412	0	0	0	0	0	0.096827	0	0
LOC107132987	1	0.070433	0.141883	0.112249	0.066129	0.10848	0.029886	0.076856	0.108234	0.157454	0.003164	0.099835	0.075119	0.752433
LOC107132988	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107132990	1	0	0.027076	0	0.038294	0	0.041824	0	0	0	0.013285	0.013074	0.011022	0.843043
LOC107132991	1	0.004887	0.00092	0	0	0.011051	0.008524	0.010384	0.046307	0	0	0.003371	0.013043	3.868751
LOC107132993	1	0.017292	0.047426	0	0	0.010056	0.012928	0.007874	0	0	0	0.014955	0.00416	0.2782
LOC107132994	0.079729	0.491432	0.212741	0.143102	0.35321	0.844603	0	0	0	0	0	0.409018	0	0
LOC107132995	1.43E-20	0.031081	0	0	0	0	23.26019	6.885318	8.635246	9.239049	7.000947	0.006216	11.00415	1770.22
LOC107132998	1	0.029325	0.020501	0.033548	0.010037	0	0.014616	0.020772	0.018045	0.072192	0.041785	0.018682	0.033482	1.792174
LOC107133003	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133004	1	0	0	0.189017	0	0	0	0	0	0	0	0.037803	0	0
LOC107133005	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133011	3.68E-12	0	0	0.07949	0	0	3.047643	22.81586	34.7104	28.03578	35.75789	0.015898	24.87352	1564.574
LOC107133020	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133022	1	0.114868	0	0	0	0	0	0	0	0	0	0.022974	0	0
LOC107133024	1	0.127616	0.096079	0	0	0	0	0	0	0	0	0.044739	0	0
LOC107133025	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133026	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC107133028	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133032	1	1.922061	1.770116	0.030979	0.08496	1.924665	2.115684	0.452135	1.063146	0.439987	0.07074	1.146557	0.828338	0.722457
LOC107133036	1	0.117872	0	0	0	0	0	0	0	0	0	0.023574	0	0
LOC107133039	1	0.100118	0.187662	0.277262	0.440158	0.120439	0	0.002193	0.02134	0.069366	0.046326	0.225128	0.027845	0.123685
LOC107133042	1	0.019382	0.021888	0	0	0	0	0	0	1.70334	0.354408	0.008254	0.411549	49.86109
LOC107133045	0.751856	0.396925	0.468691	0.324723	0.198243	0.473654	0.067662	0.035716	0.053463	0.026736	0.077373	0.372447	0.05219	0.140128
LOC107133048	0.532531	0.188928	0.268673	0.122255	0.075439	0.284828	0	0	0	0	0	0.188025	0	0
LOC107133049	1	1.045998	0.824218	0.124872	0.012087	2.42778	0.070406	0.014294	0.034769	0	0	0.886991	0.023894	0.026938
LOC107133050	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133051	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133052	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133053	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133054	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133058	1	0	0	0.090946	0	0	0	0	0	0	0	0.018189	0	0
LOC107133059	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133062	1	0	0.041833	0.121351	0.133121	0	0	0	0	0	0	0.059261	0	0
LOC107133063	1	0.002228	0.005031	0.024325	0.005337	0	0	0	0	0.126675	0.014812	0.007384	0.028297	3.832181
LOC107133071	1	0.31282	0.267695	0.386149	0.414293	0.622169	0	0.024772	0.030129	0.150668	0.209943	0.400625	0.083102	0.207432
LOC107133073	1	0	0	0	0	0	0	0	0	0	0.011453	0	0.002291	#DIV/0!
LOC107133074	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133075	1	0.006028	0.003403	0	0	0.005452	0.057831	0.038425	0.064908	0	0	0.002977	0.032233	10.82848
LOC107133078	1	0	0	0.011175	0	0	0.053555	0.076109	0.03306	0.026452	0.042528	0.002235	0.046341	20.73467
LOC107133088	1	0.04315	0.069033	0.007853	0.120607	0.390313	0	0.007641	0	0	0	0.126191	0.001528	0.01211
LOC107133095	1	0.349531	0.298452	0.353753	0.592308	0.925377	0.08923	0.036231	0.418622	0.749222	0.226746	0.503884	0.30401	0.603333
LOC107133100	1	0.001581	0.002856	0.002072	0.001515	0	0	0	0.000817	0.004903	0.001577	0.001605	0.001459	0.909467
LOC107133102	1	0.00483	0.005454	0.015822	0.002893	0.003277	0	0.002566	0	0.024969	0	0.006455	0.005507	0.853091
LOC107133107	1	0.35039	0.079139	0	0	0	0	0	0	8.332381	10.01839	0.085906	3.670154	42.72301
LOC107133108	1	0.039056	0	0	0	0.013248	0	0	0	0	0	0.010461	0	0
LOC107133109	1	0.004738	0	0	0	0	0	0	0	0	0	0.000948	0	0
LOC107133110	1	0	0	0	0.004769	0	0	0	0	0	0	0.000954	0	0
LOC107133111	1	0	0.002542	0	0	0	0	0	0	0	0	0.000508	0	0
LOC107133112	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133116	1	0.004598	0.002226	0.002869	0.001574	0	0	0.001396	0.003396	0.020376	0	0.002253	0.005034	2.233704
LOC107133117	1	0.008926	0	0.029242	0.032078	0	0	0	0.19609	0.023073	0.014838	0.014049	0.0468	3.331153
LOC107133124	1	0	0	0	0	0.047038	0	0	0	0	0	0.009408	0	0
LOC107133125	1	0	0	0	0.005971	0	0	0	0	0	0.140855	0.001194	0.028171	23.59113
LOC107133128	1	0.003932	0	0.008588	0	0.007114	0.041159	0	0.010163	0.020329	0.002179	0.003927	0.014766	3.760177
LOC107133130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133133	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133135	1	0.006858	0.001291	0.002496	0.001369	0	0	0	0	0.005909	0	0.002403	0.001182	0.491824
LOC107133136	0.241232	0.016382	0.01665	0.032199	0.012755	0.004445	0.042866	0.06614	0.165117	0.669034	0.618166	0.016486	0.312264	18.94072
LOC107133137	0.018851	0.027628	0.022113	0.024018	0.021528	0.013102	0	0.00114	0	0	0.001784	0.021678	0.000585	0.026973
LOC107133139	1	0	0	0.080861	0.022176	0	0	0	0	0	0	0.020607	0	0
LOC107133142	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133143	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133144	1	0.017167	0.019387	0	0	0	0	0	0	0	0	0.007311	0	0

LOC107133147	1	0.028717	0	0	0	0	1.402662	0.528858	0.470043	0	0	0.005743	0.480312	83.62876
LOC107133148	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133149	1	0	0.048926	0	0	0	0	0	0	0	0	0.009785	0	0
LOC107133150	1	0.048529	0.140926	0.196832	0.265751	0.225759	0.689348	0.176782	0.412099	0.465919	0.14982	0.17556	0.378793	2.157636
LOC107133151	0.213933	0	0	0	0	0	2.253645	1.904848	2.998143	0	0	0	1.431327	#DIV/0!
LOC107133155	1	0.084472	0.031798	0.553449	0.438482	0.076409	0	0	0	0	0	0.236922	0	0
LOC107133158	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133160	1	0	0.000484	0	0.00154	0	0	0	0.002215	0.015504	0.004273	0.000405	0.004398	10.8682
LOC107133161	1	0.023016	0	0	0	0	1.084042	2.469823	1.457333	0	0	0.004603	1.00224	217.7288
LOC107133162	1	0.061409	0	0	0.01226	0	0	0	0	0.634923	0.017014	0.014734	0.130387	8.849532
LOC107133166	0.06005	0.170366	0.211507	0.305543	0.229759	0.26943	0.005905	0.002397	0.011664	0.046661	0.022506	0.237321	0.017827	0.075116
LOC107133168	1	0.009287	0.006992	0	0	0	0	0	0.048002	0	0	0.003256	0.0096	2.948812
LOC107133170	1	0.00351	0.007927	0	0	0	0	0	0	0	0	0.002287	0	0
LOC107133171	1	0.052696	0.011902	0	0	0	0	0	0	0	0	0.01292	0	0
LOC107133172	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133174	1	0	0.013407	0	0	0	0	0	0.030681	0	0.029602	0.002681	0.012057	4.496518
LOC107133175	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133176	1	0	0	0	0	0	0	0	0	0.326684	0.315142	0	0.128365	#DIV/0!
LOC107133180	1	0.006299	0.01067	0.022927	0.028924	0.005698	0.038458	0.004462	0.013566	0.070552	0.012216	0.014903	0.027851	1.868735
LOC107133182	1	0.118937	0.008395	0.008117	0.05788	0	0	0	0.009606	0.057643	0.067964	0.038666	0.027043	0.699392
LOC107133183	1	0.008766	0.005657	0	0.021002	0	0	0.002661	0.00971	0	0.004164	0.007085	0.003307	0.466737
LOC107133184	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133190	1	0.065764	0.066779	0.057933	0.058918	0.068985	0.017353	0.002349	0	0.019999	0.016536	0.063676	0.011247	0.176633
LOC107133191	0.024628	0.071376	0.113352	0.048713	0.077485	0.236062	0	0	0	0	0	0.109398	0	0
LOC107133195	1	0.018296	0	0	0	0	0	0	0	0	0	0.003659	0	0
LOC107133199	1	0	0	0.034228	0.06258	0	0	0	0	0	0	0.019362	0	0
LOC107133202	1	0	0.051354	0.059588	0.119841	0	0	0	0.023505	0	0.007559	0.046157	0.006213	0.134604
LOC107133203	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133204	0.159673	0.049546	0.080895	0.002607	0.009296	0.030778	0	0	0	0	0.000992	0.034624	0.000198	0.005732
LOC107133206	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133207	1	0	0.007321	0	0.015532	0	0	0	0	0	0	0.004571	0	0
LOC107133208	1	0.026121	0.014749	0.185402	0.328545	0	0	0	0	0	0	0.110963	0	0
LOC107133209	1	0.184588	0.079834	0.12866	0.216413	0.031973	0	0	0	0.06091	0.006529	0.128294	0.013488	0.105132
LOC107133211	1	0.002164	0.001222	0.002363	0.002592	0	0.039632	0.034483	0.022368	0.055928	0.003597	0.001668	0.031201	18.70581
LOC107133212	0.026733	0.513226	0.851272	1.43611	0.576366	0.261136	0	0	0	0	0	0.727622	0	0
LOC107133213	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133214	1	0.015716	0.005916	0	0.012551	0	0	0	0	0.054165	0.008709	0.006837	0.012575	1.839301
LOC107133219	1	0	0.01413	0.036435	0.014988	0	0	0	0	0	0	0.013111	0	0
LOC107133222	1	0.049827	0.04798	0.020889	0.021317	0.029578	0	0.016071	0.011498	0.017249	0.003328	0.033918	0.009629	0.283893
LOC107133223	1	0.00678	0.005742	0.010048	0.004351	0.016099	0.004435	0.003345	0.008135	0.028165	0.015296	0.008604	0.011875	1.380201
LOC107133226	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133229	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133231	1	0	0	0	0	0	0	0.02274	0.055314	0.276611	0.337995	0	0.138532	#DIV/0!
LOC107133233	1	0.020821	0	0	0	0	0.326895	0.044244	0.053812	0	0	0.004164	0.08499	20.40938
LOC107133234	1	0.009843	0.004446	0	0	0	0	0	0	0	0	0.002858	0	0
LOC107133235	1	4.201399	2.549372	0	0	0	0	69.62321	51.61733	0	0	1.350154	24.24811	17.95951

LOC107133238	1	0.003527	0.003983	0.169448	0.449218	0.01276	0.049217	0.022482	0.003038	0.164086	0.001954	0.127787	0.048156	0.376842
LOC107133239	1	0.214639	0	0	0	0	0	0	0	0	0	0.042928	0	0
LOC107133240	1	0.058262	0.054184	0.044909	0.05337	0.046501	0.089677	0.072826	0.168289	0.035434	0.017091	0.051445	0.076664	1.490198
LOC107133242	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133247	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133250	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133252	1	0.020326	0	0	0	0	0	0.431909	0.210122	0	0	0.004065	0.128406	31.58727
LOC107133253	1	0.087251	0	0	0	0	0	0	0	0	0	0.01745	0	0
LOC107133254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133255	1	0	0	0	0.08999	0.10193	0	0.079817	0	0.388361	0	0.038384	0.093636	2.439442
LOC107133256	1	0.03094	0.009706	0	0.008236	0	0	0.007305	0	0.017772	0.014287	0.009777	0.007873	0.805287
LOC107133257	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133258	1	0	0	0	0.027453	0	0	0	0	0	0.038097	0.005491	0.007619	1.387714
LOC107133260	1	0.015732	0.007896	0.057265	0.018846	0	0	0	0	0.515092	0.156914	0.019948	0.134401	6.737663
LOC107133263	1	0.020526	0	0	0	0	0	0	0	0	0	0.004105	0	0
LOC107133264	1	0.001136	0.000855	0.002481	0.000907	0	0.005945	0.004828	0.001957	0	0.001259	0.001076	0.002798	2.600486
LOC107133265	1	0.933274	2.133402	0	0	0.837391	0.013129	0.010662	0.012968	0	0	0.780813	0.007352	0.009416
LOC107133267	1	0.004253	0.001921	0.014862	0.076422	0	0	0.001808	0	0.004397	0.009898	0.019492	0.003221	0.165231
LOC107133268	1	0.01465	0.066176	0.5599	0.403621	0	0	0	0	0	0	0.208869	0	0
LOC107133269	1	0.015551	0.003152	0.037445	0.041077	0	0	0.000847	0.003092	0.016491	0.00464	0.019445	0.005014	0.257846
LOC107133272	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133275	1	0	0	0	0	0.06809	0	0	0	0.129713	0	0.013618	0.025943	1.905035
LOC107133276	1	0.029954	0	0.065417	0.035881	0	0	0.06365	0	0	0.049793	0.02625	0.022689	0.864311
LOC107133280	1	0.032157	0.034726	0.016241	0.016371	0.010635	0.001578	0.003203	0.004415	0.015585	0.027563	0.022026	0.010469	0.475291
LOC107133282	1.79E-12	0.275851	0.095187	0.150612	0.137684	0	28.67191	6.415308	4.733011	20.75698	34.39178	0.131867	18.9938	144.0378
LOC107133284	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133288	1	0.082241	0.033773	0	0	0	0.039127	0	0.019322	0	0	0.023203	0.01169	0.503812
LOC107133289	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133290	2.88E-05	0.052169	0.088372	0	0	0	6.006397	2.133992	2.056129	2.899226	2.081339	0.028108	3.035417	107.9901
LOC107133294	1	0.018041	0	0	0.021611	0	0	0.038337	0	0.093266	0.02999	0.007931	0.032319	4.075229
LOC107133301	1	0.00256	0.011565	0.044732	0.018402	0.013895	0	0.00272	0.003308	0.09265	0.03192	0.018231	0.02612	1.43271
LOC107133302	1	0.001441	0.009763	0.00944	0.000863	0.00782	0.022621	0.001531	0.014895	0.014897	0.005988	0.005865	0.011987	2.043595
LOC107133304	1	0.73868	0.938089	0	0	0.381816	0.226564	0.833701	0.335662	0	0	0.411717	0.279186	0.678101
LOC107133305	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133315	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133318	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133319	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133323	1	0.009425	0.002661	0.036022	0.07621	0	0.117147	0.032546	0.030449	0.018272	0.05092	0.024864	0.049867	2.0056
LOC107133324	1	0.002361	0.002667	0	0	0	0	0	0.024412	0	0	0.001006	0.004882	4.854996
LOC107133325	0.096797	0.032606	0	0	0	0	1.706363	0.069285	0.589873	2.528395	4.823937	0.006521	1.943571	298.0416
LOC107133327	1	0	0	0	0	0	0	0	0	0.566125	0.273062	0	0.167837	#DIV/0!
LOC107133330	1	0.145501	0	0.048888	0.067037	0	0	0	0	0	0	0.052285	0	0
LOC107133338	1	0.039959	0	0	0	0	1.777522	1.146306	3.253087	0	0	0.007992	1.235383	154.5801
LOC107133343	1	0.16062	0.210306	0	0	0.353749	0.292374	0.356149	0.607629	0	0	0.144935	0.25123	1.7334
LOC107133361	1	0.032891	0.018572	0	0	0.044628	0	0.052419	0.276268	0.595125	0.13669	0.019218	0.2121	11.0364

LOC107133375	1	0.065174	0	0	0	0	0	0	0	0	0	0.013035	0	0
LOC107133395	1	0	0	0.013155	0	0	0	0	0	0	0	0.002631	0	0
LOC107133447	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133448	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133455	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133457	1	5.491663	6.418772	5.411467	5.027713	0.274449	1.164407	5.222266	1.019379	0.836535	1.328157	4.524813	1.914149	0.423034
LOC107133459	1	0.051525	0.029094	0.056264	0	0	0	0	0	0	0	0.027377	0	0
LOC107133460	1	0.006726	0.024959	0.010493	0.01036	0	0.005029	0	0	0	0.017571	0.010507	0.00452	0.430161
LOC107133462	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133463	1	0.001143	0.005164	0.001248	0	0	0	0.006073	0.010341	0.020685	0.003801	0.001511	0.00818	5.413107
LOC107133470	1	0	0	0	0.004224	0	0	0	0	0	0	0.000845	0	0
LOC107133471	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC107133473	1	0	0	0.079721	0	0	0	0	0	0	0.091021	0.015944	0.018204	1.141733
LOC111082995	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441452	1	0.447164	0.189369	0	0.066957	0.151682	0	0.23755	1.011211	0.866878	1.672505	0.171034	0.757629	4.429687
LOC112441453	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441454	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441455	1	0.023531	0.039202	0.039178	0.026234	0.012644	0.039016	0.058912	0.0855	0.099965	0.066225	0.028158	0.069924	2.483283
LOC112441456	1	0.140287	0.019803	0	0	0.047586	0	0	0.135961	0	0	0.041535	0.027192	0.654677
LOC112441457	1	0.708975	0.502368	0.182162	0.416312	0.679032	0.218253	0.413559	0.467058	0.143731	0.62394	0.49777	0.373308	0.749961
LOC112441458	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441461	1	0	0	0	0.055549	0	0	0	0	0	0	0.01111	0	0
LOC112441463	1	0	0	0	0	0	0	0	0	0	0.012599	0	0.00252	#DIV/0!
LOC112441464	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441469	1	0	0.298024	0.576347	0.763967	0	17.60871	2.523484	1.534577	0.341067	5.593295	0.327668	5.520226	16.84703
LOC112441470	1	0	0	0	0	0	0	0	0.026921	0.053849	0.017316	0	0.019617	#DIV/0!
LOC112441471	1	0	0	0.098598	0	0	0	0	0	0	0	0.01972	0	0
LOC112441472	1	0	0.034375	0.099716	0.109388	0	0	0	0	0.157359	0	0.048696	0.031472	0.646291
LOC112441473	0.219414	0.098769	0.150579	0.097068	0.094652	0.321631	3.773292	2.350641	1.391179	0.842488	1.609029	0.15254	1.993326	13.06758
LOC112441474	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441475	0.67743	0.46665	0.624282	0.094075	0.163399	0.83773	0	0	0	0	0	0.437227	0	0
LOC112441476	1	0.395915	0.535272	0.499313	0.647939	0.453965	0.029182	0.213287	0.706166	0.086482	0.315167	0.506481	0.270057	0.533203
LOC112441477	1	0.033065	0	0	0	0	0	0	0	0	0	0.006613	0	0
LOC112441478	1	0.512761	0.219394	0.411263	0.371992	0.416631	0.11181	0.160483	0.007705	0.082195	0.027256	0.386408	0.07789	0.201574
LOC112441479	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441480	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441481	1	0	0	0.609914	0.153329	0.157885	0	0	0	0.060155	0.077373	0.184225	0.027506	0.149304
LOC112441482	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441483	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441484	1	0.605292	0.227853	0	0	1.00379	3.431668	1.00039	0.955988	0	0	0.367387	1.077609	2.933171
LOC112441485	1	0.001271	0	0.002777	0.001523	0	0	0	0	0	0	0.001114	0	0
LOC112441490	1	0	0	0	0	0	0.229106	0	0.016163	0	0	0	0.049054	#DIV/0!
LOC112441491	1	1.535007	2.200202	2.421175	1.634467	1.246091	0.411959	0.278787	0.745958	0.440857	0.261712	1.807389	0.427855	0.236725
LOC112441493	1	0	0.006955	0.01345	0.014755	0.033425	0.03223	0.261737	0.103459	0.127352	0.051189	0.013717	0.115194	8.397817
LOC112441494	1	0.130924	0.071378	0.414111	0.508357	0.208271	0.023627	0.11512	0.035003	0.046678	0.037524	0.266608	0.051591	0.193507
LOC112441498	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112441499	1	0	0	0.280936	0	0.698153	0	0	0	0	0	0.195818	0	0
LOC112441500	1	0.038095	0.279637	0.083198	0.102676	0.077533	0.049841	0	0	0.147703	0.300802	0.116228	0.099669	0.857534
LOC112441501	1	0	0	0	0	0	0	0	0	0.014534	0	0	0.002907	#DIV/0!
LOC112441502	1	0.11364	0.017111	0.182002	0.117978	0.185029	0	0.11269	0.01958	0	0	0.123152	0.026454	0.214808
LOC112441503	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441505	1	0.09982	0.006372	0.015165	0.008318	0.002355	0.084037	0.052567	0.048231	0.035898	0.01515	0.026406	0.047177	1.786579
LOC112441506	1	0.132127	0.170528	0.906902	0.738611	0.204885	1.712194	1.230008	1.187029	1.105887	1.621144	0.430611	1.371252	3.184437
LOC112441507	0.467712	1.219459	0.286337	0.263688	0.057853	0.638907	0	0	0	0.031209	0.030106	0.493249	0.012263	0.024862
LOC112441508	1	0	0	0.084137	0	0	0	0	0	0	0	0.016827	0	0
LOC112441509	0.00275	0.340439	0.736881	0.99134	0.645699	3.310424	0	0	0	0	0	1.204957	0	0
LOC112441510	1	0	0.054947	0	0	0	0	0	0	0.125765	0.040441	0.010989	0.033241	3.024855
LOC112441511	1	0.10721	0.15902	0.366938	0.199347	0.147637	0	0.023802	0.049626	0.529418	0.077139	0.196031	0.135997	0.693754
LOC112441512	1	0	0.005374	0	0	0	0	0	0	0	0	0.001075	0	0
LOC112441513	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441517	1	0.00262	0	0.005721	0	0	0	0	0	0	0	0.001668	0	0
LOC112441518	1	0.011962	0.013509	0.026125	0	0	0	0	0	0	0	0.010319	0	0
LOC112441519	1	0	0	0	0.055721	0	0.182576	0.024711	0	0.120236	0.038663	0.011144	0.073237	6.571717
LOC112441520	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441521	1	0.084599	0	0.061587	0	0	0	0	0	0.291563	0	0.029237	0.058313	1.994474
LOC112441522	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441523	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441524	1	0.006051	0	0	0	0	0	0	0	0	0	0.00121	0	0
LOC112441525	1	0.015252	0	0	0	0	0	0.010804	0	0	0	0.00305	0.002161	0.708317
LOC112441526	1	0.240302	0.246608	0.098848	0.081606	0.245646	0.080583	0.211192	0.132651	0.07719	0.262171	0.182602	0.152757	0.83656
LOC112441527	1	0.015916	0.035948	0.06952	0.019066	0	0.166587	0	0.082268	0	0	0.02809	0.049771	1.771848
LOC112441528	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441529	1	0.002423	0	0	0.001451	0	0	0	0	0	0	0.000775	0	0
LOC112441530	1	2.703429	1.275076	1.007184	1.23822	9.321312	0.166446	0.405505	1.068578	1.726416	1.189588	3.109044	0.911307	0.293115
LOC112441531	1	0	0.007628	0	0	0	0	0	0	0	0.005614	0.001526	0.001123	0.735998
LOC112441532	1	0	0	0.073904	0.006756	0.045915	0	0.011985	0	0.087469	0	0.025315	0.019891	0.785729
LOC112441534	1	0.035924	0	0	0	0	0	0.045802	0	0	0	0.007185	0.00916	1.27497
LOC112441537	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441538	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441539	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441540	1	4.985827	3.985651	7.463144	2.583606	0.760106	1.245988	3.303382	11.61874	12.74266	7.75264	3.955667	7.332682	1.853716
LOC112441542	1	0.090148	0	0.043751	0	0	0	0	0.103548	0.155345	0.166507	0.02678	0.08508	3.17701
LOC112441543	0.000348	0.623222	0.171197	0.478222	0.575048	0.342815	4.143018	5.941523	7.813984	3.265371	4.130012	0.438101	5.058782	11.54708
LOC112441544	1	2.79273	3.541697	4.835945	3.583577	0.294313	1.418958	2.823166	8.432272	5.840373	5.52887	3.009652	4.808728	1.597769
LOC112441545	1	0.068419	0	0.037356	0.040979	0	0.089514	0	0	0.442124	0.113734	0.029351	0.129074	4.397664
LOC112441546	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441547	1	0	0.023358	0.011293	0.018583	0	0	0	0	0	0	0.010647	0	0
LOC112441548	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441549	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441550	1	0.025196	0.002845	0	0	0	0.013186	0.005354	0.016279	0.195379	0.075391	0.005608	0.061118	10.89789
LOC112441551	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441552	1	0.010741	0.003308	0	0.004679	0.005299	0.01022	0	0	0.080766	0.03084	0.004805	0.024365	5.070348

LOC112441553	1	0.05446	0	0.011327	0.001553	0	0	0	0	0	0	0.013468	0	0
LOC112441554	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441555	1	0.039168	0.044232	0.085541	0.070378	0	0	0	0	0	0.097665	0.047864	0.019533	0.408094
LOC112441556	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441557	1	0	0	0.058679	0.107284	0	0	0	0	0	0	0.033193	0	0
LOC112441558	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441559	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441560	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441561	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441562	0.061187	0.005061	0.006985	0.002456	0.001347	0	0.038256	0.068109	0.072664	0.098837	0.066368	0.00317	0.068847	21.71891
LOC112441563	1	0.001388	0.004703	0.02577	0	0	0	0	0	0.003588	0	0.006372	0.000718	0.112621
LOC112441564	1	0	0.008944	0	0	0	0	0	0	0	0	0.001789	0	0
LOC112441565	1	0	0	0	0.012234	0	0	0	0	0	0	0.002447	0	0
LOC112441566	0.341521	1.223276	2.397226	1.335793	1.163664	1.073978	0.188288	0	0	0	0	1.438787	0.037658	0.026173
LOC112441567	1	0.016446	0.018572	0	0	0	0	0	0	0	0	0.007004	0	0
LOC112441568	1	0	0	0	0	0	0.174887	0.142023	0	0.691035	1.055483	0	0.412686	#DIV/0!
LOC112441569	1	0.322221	0	0	0	0	0	0	0	0	0	0.064444	0	0
LOC112441570	1	0.005915	0	0.012919	0.007086	0	0	0	0	0	0	0.005184	0	0
LOC112441571	1	0	0	0	0.048226	0	0	0	0	0	0	0.009645	0	0
LOC112441572	1	0.003811	0.00526	0.001849	0.000507	0	0.002216	0.005398	0.024074	0.015322	0.016189	0.002285	0.01264	5.53064
LOC112441573	1	0	0	0.033814	0.037094	0	0	0	0	0	0	0.014182	0	0
LOC112441574	1	0	0	0	0.028824	0	0	0	0	0	0	0.005765	0	0
LOC112441575	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441576	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441577	1	0.027258	0	0	0.016326	0	0	0	0	0	0	0.008717	0	0
LOC112441578	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441579	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441580	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441581	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441582	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441583	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441584	1	0	0.015904	0	0	0.038216	0.795961	0.490775	0.043676	0.058243	0.02341	0.010824	0.282413	26.09136
LOC112441585	1	0	0	0	0	0	0	0.094346	0	1.14764	3.395092	0	0.927416	#DIV/0!
LOC112441586	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441587	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441589	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441590	1	0	0	0.017055	0.065481	0	0	0	0	0	0	0.016507	0	0
LOC112441591	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441592	1	0.003287	0.007424	0.064605	0.007875	0	0	0	0	0.254875	0.087421	0.016638	0.068459	4.114647
LOC112441593	1	0	0	0.065209	0.071534	0	0	0	0	0	0	0.027349	0	0
LOC112441594	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441595	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441596	1	0	0	0.069935	0.038359	0	0.209477	0.051034	0.165518	0.248313	0.212925	0.021659	0.177453	8.193152
LOC112441597	1.36E-05	0.008221	0.007957	0	0	0	0.208963	0.23957	0.491694	0.346057	0.208889	0.003236	0.299035	92.41887
LOC112441598	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112441599	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441600	1	0.013283	0.002143	0.002072	0.004546	0	0	0.022177	0.014712	0.034334	0.001577	0.004409	0.01456	3.302506
LOC112441601	1	0.005257	0.00137	0.006182	0.005328	0	0	0	0	0.00209	0	0.003627	0.000418	0.115259
LOC112441602	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441603	1	0	0.001318	0	0	0	0	0	0	0	0	0.000264	0	0
LOC112441604	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441605	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441606	1	0	0	0	0	0	0.024298	0	0	0	0	0	0.00486	#DIV/0!
LOC112441607	1	0.051	0.033597	0	0.010182	0	0	0.027093	0.010984	0	0.02826	0.018956	0.013267	0.699909
LOC112441608	1	0.01448	0	0	0	0	0.08841	0	0	0.137239	0.012036	0.002896	0.047537	16.41439
LOC112441609	1	0.022048	0.022635	0.03502	0.026411	0.087027	0.020979	0.110738	0.072522	0.207237	0.309869	0.038628	0.144269	3.734809
LOC112441610	1	0	0	0	0.015247	0.034541	0	0.040571	0	0	0	0.009958	0.008114	0.814872
LOC112441611	1	0.041082	0.055316	0	0	0.017151	0.049615	0	0	0	0	0.02271	0.009923	0.436941
LOC112441612	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441613	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441614	1	0.007598	0.00234	0.002263	0.006619	0.000937	0	0.000734	0	0.003571	0.004593	0.003951	0.001779	0.45034
LOC112441615	1	0	0	0.015296	0.004195	0	0	0	0	0	0.011643	0.003898	0.002329	0.597337
LOC112441616	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441618	1	0.137641	0.241129	0.073223	0.050732	0.114927	0	0.14249	0.168741	0.264551	0.002933	0.12353	0.115743	0.936962
LOC112441619	1	0.0931	0.032497	0	0	0.087277	0.097445	0.240997	0.074371	0	0	0.042575	0.082563	1.939231
LOC112441620	1	0	0	0.0626	0.022073	0	0	0	0	0.031753	0.013614	0.016935	0.009073	0.535786
LOC112441621	1	0.054501	0.028722	0.007935	0.004352	0	0	0	0	0	0	0.019102	0	0
LOC112441622	1	0	0.013781	0.053303	0.146183	0	0	0	0	0	0.162288	0.042653	0.032458	0.76096
LOC112441623	1	0	0.003359	0	0	0	0	0	0	0	0	0.000672	0	0
LOC112441624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441625	1	0	0.005757	0	0	0.013834	0	0	0	0	0	0.003918	0	0
LOC112441626	1	0	0.010577	0	0	0.006354	0	0	0	0	0	0.003386	0	0
LOC112441627	1	0.00255	0.001152	0.004456	0.004277	0	0	0	0	0	0	0.002487	0	0
LOC112441628	1	0.058744	0.011057	0.064147	0.017592	0.039853	0	0.010402	0.037955	0.012654	0.073239	0.038279	0.02685	0.701436
LOC112441629	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441630	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441631	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441632	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441633	1	0.002673	0	0	0.003202	0	0	0	0	0	0	0.001175	0	0
LOC112441634	1	0.007431	0.000763	0	0.000809	0	0.010606	0.008613	0.003492	0	0	0.001801	0.004542	2.522553
LOC112441635	1	0.149648	0.197165	0	0.597543	0.067683	3.002111	6.359908	5.60799	3.223451	0.704836	0.202408	3.779659	18.67347
LOC112441636	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441637	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441638	1	0	0.005878	0	0.006235	0	0	0	0	0.080729	0.077877	0.002423	0.031721	13.09295
LOC112441639	1	0.49639	0.669425	0.873592	0.369474	0.941619	0.151326	0.348187	0.585397	0.42354	0.512724	0.6701	0.404235	0.603246
LOC112441640	1	0	0.036193	0	0	0	0	0.017026	0	0	0	0.007239	0.003405	0.470411
LOC112441641	1	0	0	0	0	0	0.033015	0	0	0	0	0	0.006603	#DIV/0!
LOC112441642	1	0.089322	0.052629	0.033926	0.046521	0.042155	0	0.024757	0.020074	0.240919	0.658488	0.05291	0.188848	3.569192
LOC112441643	1	0.03562	0.080453	0.064828	0.040892	0.008055	0	0.003154	0.007672	0.046036	0.027139	0.04597	0.0168	0.365463
LOC112441644	1	0	0	0	0	0	2.535862	1.73978	2.245536	0	0	0	1.304235	#DIV/0!
LOC112441645	1	0.003873	0.017496	0	0.009279	0	0	0	0	0	0	0.00613	0	0

LOC112441646	1	0	0	0	0	0	0	0.039948	0	0	0	0	0.00799	#DIV/0!
LOC112441647	1	0.034322	0.046512	0	0.021927	0.055883	0.035923	0.097243	0.082789	0.496807	0.08368	0.031729	0.159288	5.02032
LOC112441649	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441650	1	0.003921	0.002657	0.001713	0.002348	0.001064	0	0	0	0.016215	0	0.00234	0.003243	1.385642
LOC112441651	1	0	0.018878	0	0	0	0	0	0	0	0	0.003776	0	0
LOC112441652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441653	1	0.309063	0.315559	0.376017	0.330498	0.183824	0.129247	0.292386	0.869878	0.930194	0.204099	0.302992	0.485161	1.601232
LOC112441654	1	0.021621	0.013735	0	0	0	0	0	0	0	0	0.007071	0	0
LOC112441655	1	0.098587	0.111335	0.215311	0.118097	0	0	0	0	0	0	0.108666	0	0
LOC112441656	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441657	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441658	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441659	1	0.005458	0	0.09536	0.03269	0	0	0	0	0	0	0.026702	0	0
LOC112441660	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441661	1	0.002886	0.022811	0.018906	0.024196	0.007831	0	0	0.003729	0.111881	0.009594	0.015326	0.025041	1.633878
LOC112441662	1	0.021157	0.014335	0	0.007603	0	0	0	0.005468	0.021875	0.130128	0.008619	0.031494	3.653993
LOC112441663	0.000442	0.487227	0.595413	0.397705	0.225306	0.196855	0.035224	0.018275	0.059916	0.015465	0.014297	0.380501	0.028635	0.075257
LOC112441664	1	0.045751	0.079488	0.061489	0.033726	0.00955	0	0	0	0	0.008775	0.046001	0.001755	0.038153
LOC112441665	1	0.037571	0.232717	0	0.002728	0.006179	0.005958	0.055643	0.044136	0	0	0.055839	0.021148	0.378725
LOC112441666	1	0.019169	0.010824	0.034254	0.053232	0.007094	0.00456	0	0	0	0.001448	0.024915	0.001202	0.048232
LOC112441667	1	0.03522	0.069604	0.076918	0.179305	0	0	0	0	0	0	0.072209	0	0
LOC112441668	1	0.051035	0.028817	0.390105	0.152836	0.346231	0	0	0	0	0	0.193805	0	0
LOC112441669	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441670	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441671	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441672	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441673	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441674	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441675	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441676	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441677	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441678	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441679	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441680	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441681	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441682	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441683	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441684	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441685	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441686	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441687	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441688	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441689	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441690	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441691	1	0	0	0.383334	0	0	0	0	0	0	0	0.076667	0	0
LOC112441692	1	0.175522	0	0	0	0	0	0	0	0	0	0.035104	0	0

LOC112441693	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441694	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441695	1	0	0.396437	1.916669	0.420514	0	0	0	0	0	0	0.546724	0	0
LOC112441696	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441697	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441698	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441699	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441700	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441701	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441702	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441703	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441704	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441705	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441706	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441707	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441708	1	1.073193	0	0	0	0	0	0	0	0	0	0.214639	0	0
LOC112441709	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441710	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441711	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441712	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441713	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441714	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441715	1	0	1.450213	0	0	0	0	0	0	0	0	0.290043	0	0
LOC112441716	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441717	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441718	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441719	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441720	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441769	1	0.086151	0.048645	0.329263	0.309599	0.46757	0	0	0	0	0	0.248245	0	0
LOC112441770	1	0.445648	0.718961	2.688101	1.982831	0.115175	0	0.045094	0	0	0	1.190143	0.009019	0.007578
LOC112441771	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441772	1	0.011062	0.015616	0	0.003313	0	0	0	0	0.014297	0	0.005998	0.002859	0.476709
LOC112441773	1	0.003411	0.007704	0	0.008172	0	0	0	0	0	0.01134	0.003857	0.002268	0.587979
LOC112441774	1	0.004456	0.010064	0	0	0	0	0	0	0	0	0.002904	0	0
LOC112441775	0.417922	0.182301	0.096366	0.228718	0.13939	0.094731	0	0	0	0.020052	0	0.148301	0.00401	0.027042
LOC112441776	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441777	0.196373	0.835212	0.621661	0	0	3.801523	0	0	0	0	0	1.051679	0	0
LOC112441778	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441779	1	0	0.019476	0.175768	0.137726	0	0	0	0	0	0	0.066594	0	0
LOC112441780	1	0	0.02102	0	0	0	0	0.013184	0.03207	0	0	0.004204	0.009051	2.152897
LOC112441781	1	0	0.021888	0	0	0	0	0	0	0	0	0.004378	0	0
LOC112441782	1	0	0	0	0.018202	0	0	0	0	0	0	0.00364	0	0
LOC112441783	1	0.003455	0.003902	0	0.006208	0	0	0.007342	0	0.035721	0.005743	0.002713	0.009761	3.598072
LOC112441784	1	0	0	0	0.00327	0	0	0	0	0.028222	0.009075	0.000654	0.007459	11.40664
LOC112441785	1	0.001715	0.003874	0.005619	0	0	0	0	0	0.022168	0.007128	0.002242	0.005859	2.613787
LOC112441786	1	0.004124	0.001996	0.002574	0.006352	0	0.012334	0.013772	0.025886	0.073101	0.070518	0.003009	0.039122	13.00091

LOC112441787	1	0.025559	0.092365	0.334921	0.061234	0.194206	0.053504	0.021725	0.435971	0.607806	0.917738	0.141657	0.407349	2.875595
LOC112441788	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441789	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441790	1	1.05054	0.88419	0.541118	0.747938	0.699258	0.363064	0.716035	0.563503	0.10247	0.03295	0.784609	0.355604	0.453225
LOC112441791	1	0.011431	0.006454	0.006241	0.002282	0.00517	0.049851	0.030362	0.054161	0.014773	0.012668	0.006316	0.032363	5.124239
LOC112441792	1	0.011522	0.03253	0.075491	0.055209	0.015633	0	0	0	0.178694	0	0.038077	0.035739	0.938594
LOC112441793	1	0.056167	0.079287	0.046	0	0.07621	0	0	0	0	0	0.051533	0	0
LOC112441794	1	0.00389	0	0	0	0	0	0	0	0	0	0.000778	0	0
LOC112441795	1	0	0.004645	0	0	0	0	0.078663	0	0	0	0.000929	0.015733	16.93478
LOC112441796	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441797	1	0	0	0.029809	0	0.074077	0	0	0	0	0	0.020777	0	0
LOC112441798	1	0	0	0	0	0	0	0	0	0	0.008058	0	0.001612	#DIV/0!
LOC112441799	1	0.014037	0	0	0.016814	0	0	0	0	0	0	0.00617	0	0
LOC112441800	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441801	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441802	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441803	1	0	0	0	0.014865	0	0	0	0	0	0	0.002973	0	0
LOC112441804	1	0	0.007973	0	0	0.03832	0	0	0	0	0	0.009259	0	0
LOC112441805	0.046447	0.004903	0.003814	0.002617	0.001827	0.000296	0.028508	0.023613	0.037167	0.079413	0.034772	0.002691	0.040694	15.12064
LOC112441806	1	0	0	0	0.020546	0	0	0	0	0	0	0.004109	0	0
LOC112441807	1	0.080984	0.166283	0.192944	0.176382	0.079914	0	0.015644	0.114163	0	0.14686	0.139301	0.055333	0.397221
LOC112441808	1	0.033252	0.18025	0.842411	0.143398	0.036094	0	0	0	0	0.022111	0.247081	0.004422	0.017897
LOC112441809	1	0.056027	0.074604	0.027394	0.012021	0.070347	0.004376	0	0.004322	0.038907	0.00556	0.048079	0.010633	0.221163
LOC112441810	0.01092	0.29524	0.251763	0.355294	0.122701	0.294313	0	0	0	0	0.010016	0.263862	0.002003	0.007592
LOC112441811	1	0.003094	0.006989	2.165888	0.389198	0.004198	0	0.003288	0	0.551877	1.069903	0.513873	0.325014	0.632478
LOC112441812	1	0.197401	0.186002	0.132805	0.078334	0.134335	0.011194	0.033116	0.09003	0.233797	0.139183	0.145775	0.101464	0.69603
LOC112441813	1	0	0.046614	0	0	0	0	0	0	0	0	0.009323	0	0
LOC112441814	1	0.035236	0	0	0	0	0	0	0	0.182158	0.058574	0.007047	0.048147	6.831972
LOC112441815	1	0	0	0	0	0	0.140209	0	0	0	0	0	0.028042	#DIV/0!
LOC112441816	1	0	0.040207	0.077757	0.021325	0	0	0	0	0	0	0.027858	0	0
LOC112441817	1	0.008584	0	0	0	0	0	0	0	0	0	0.001717	0	0
LOC112441818	1	0.014542	0.024633	0.015879	0.011613	0.052616	0.164889	0.195705	0.125276	0.025059	0.008058	0.023857	0.103797	4.350854
LOC112441819	1	0.023398	0.030828	0	0	0.021165	0	0	0	0	0	0.015078	0	0
LOC112441820	1	0.023535	0.079734	0.334096	0.394693	0.095799	0.061583	0.100021	0.060825	0.608336	0.117369	0.185571	0.189627	1.021852
LOC112441821	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441822	1	0	0.021569	0	0	0	0.066635	0.148811	0.098722	0.756976	0.126997	0.004314	0.239628	55.54959
LOC112441823	1	0.043626	0.034487	0.009528	0.067937	0.100628	0	0	0	0.146594	0.116033	0.051241	0.052525	1.025066
LOC112441824	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441825	1	0.008753	0	0	0.005242	0	0	0	0	0.022624	0.003637	0.002799	0.005252	1.876487
LOC112441826	1	0.010894	0	0	0	0	0	0	0	0	0	0.002179	0	0
LOC112441827	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441828	1	0.012498	0.001176	0.006824	0.014971	0	0	0	0	0	0	0.007094	0	0
LOC112441829	0.011305	0.14094	0.332798	0.195877	0.125856	0.299018	0	0.010891	0	0.013247	0	0.218898	0.004828	0.022054
LOC112441830	1	0	0.088965	0.13764	0.056621	0	0	0	0	0	0	0.056645	0	0
LOC112441831	1	0.004112	0.005326	0.004754	0.003139	0.002188	0.004219	0.003769	0.009168	0.018546	0.007773	0.003904	0.008695	2.227438
LOC112441832	1	0.016822	0	0	0.00806	0	0	0.002383	0	0.011595	0.014914	0.004976	0.005778	1.161152

LOC112441833	1	0.01914	0.021615	0.052251	0.09171	0	0	0	0	0.024736	0	0.036943	0.004947	0.133917
LOC112441834	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441835	1	0.028737	0.026552	0.079877	0.325461	0	0	0	0.013503	0.013505	0.021714	0.092125	0.009745	0.105775
LOC112441836	1	0.175129	0.300618	0.428373	0.260135	0.209107	0	0.029771	0	0.036214	0.02329	0.274672	0.017855	0.065005
LOC112441837	0.166772	0.127935	0.187821	0.367218	0.256151	0.019839	0.009565	0.011651	0.004723	0.009448	0.003038	0.191793	0.007685	0.04007
LOC112441838	1	0.001288	0.000727	0.053435	0.070958	0.001747	0.010109	0.008209	0.004992	0.026628	0.077063	0.025631	0.0254	0.990999
LOC112441839	1	0.052836	0.042475	0.062585	0.030037	0.019441	0.004687	0.001903	0.010415	0.016203	0.023074	0.041475	0.011256	0.271403
LOC112441840	1	0.440555	0.631853	0.355998	0.142489	0.944463	0.092223	0.009362	0.034158	0	0.007324	0.503072	0.028613	0.056877
LOC112441841	1	0.003282	0	0	0	0	0	0	0	0	0	0.000656	0	0
LOC112441842	0.014506	0.324062	0.3826	1.351139	0.546998	1.239152	0	0	0	0	0.024486	0.76879	0.004897	0.00637
LOC112441843	1	0.126046	0.035586	0	0	0.042756	0	0	0	0	0	0.040878	0	0
LOC112441844	0.004288	0.142155	0.043221	0.185083	0.199759	0.400599	0	0	0	0	0	0.194164	0	0
LOC112441845	1	0.044625	0.028797	0	0	0.005767	0.011121	0	0	0	0	0.015838	0.002224	0.140434
LOC112441846	1	0.009913	0.002239	0	0	0.00538	0	0	0	0	0	0.003506	0	0
LOC112441847	1	0.030421	0.085885	0.083047	0.173093	0.123827	0.0199	0.016161	0.058965	0.117947	0.037927	0.099254	0.05018	0.505569
LOC112441848	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441849	1	0.383609	0.595667	1.186866	0.84246	0	0.083648	1.76616	0.950108	0.495781	0.132851	0.601721	0.68571	1.139582
LOC112441850	1	0.006153	0.01216	0.00168	0.001382	0	0.012075	0.006537	0.015901	0.037771	0.020456	0.004275	0.018548	4.338954
LOC112441851	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441852	1	0.023497	0	0	0	0	0	0	0	0	0	0.004699	0	0
LOC112441853	1	0.002285	0.003727	0.11199	0.17029	0.002756	0	0	0.002624	0.003937	0.016458	0.05821	0.004604	0.07909
LOC112441854	1	0	0	0	0	0	0	0	0.00642	0	0	0	0.001284	#DIV/0!
LOC112441855	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441856	1	0.001017	0.001723	0.001111	0.001218	0	0	0.006484	0	0.018404	0.015218	0.001014	0.008021	7.911498
LOC112441857	1	0.016038	0.018112	0	0.086455	0	0	0	0	0	0.133305	0.024121	0.026661	1.1053
LOC112441858	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441859	1	0.278868	0.345344	0.150524	0.120837	0.163427	0.034143	0.030571	0.067446	0.220528	0.172136	0.2118	0.104965	0.495585
LOC112441860	1	0.001827	0.004127	0	0	0.009917	0	0	0	0	0	0.003174	0	0
LOC112441861	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441862	1	0.005773	0.02608	0	0	0	0	0	0	0	0	0.006371	0	0
LOC112441863	1	0.002863	0	0	0	0	0	0	0	0.05921	0.01904	0.000573	0.01565	27.32789
LOC112441864	1	0.005699	0	0.004149	0.006826	0	0	0	0	0	0	0.003335	0	0
LOC112441865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441866	1	0.020556	0	0.005612	0.012312	0.013946	0	0.01092	0.006641	0	0	0.010485	0.003512	0.33497
LOC112441867	1	0	0	0	0	0	0	0.009886	0.048093	0.192401	0.046401	0	0.059356	#DIV/0!
LOC112441868	1	0.200349	1.114518	1.134401	0.497772	2.396227	0.465997	0.22075	0.07671	0.498686	0.567414	1.068653	0.365911	0.342404
LOC112441869	1	0.185033	0.097017	0.158756	0.118741	0.071731	0	0.042127	0	0	0	0.126256	0.008425	0.066733
LOC112441870	1	0.002397	0.00406	0.031404	0.020096	0.003252	0.106608	0.104399	0.074326	0.303543	0.215132	0.012242	0.160802	13.13558
LOC112441871	1	0	0	0	0	0	0	0	0	0.023762	0.015281	0	0.007809	#DIV/0!
LOC112441872	1	0.001653	0.003734	0.002708	0.003465	0	0.019464	0.004391	0.006408	0.042728	0.027479	0.002312	0.020094	8.691587
LOC112441874	1	0.003273	0.008624	0.002383	0.023523	0	0	0.001159	0	0	0.004534	0.007561	0.001139	0.150595
LOC112441875	1	0	0.003132	0.012114	0	0	0	0	0	0	0	0.003049	0	0
LOC112441876	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441877	1	0	0.080746	0.052052	0.042825	0	0	0	0	0	0.079239	0.035125	0.015848	0.451187
LOC112441878	1	0.000959	0.004692	0.001396	0.003063	0.000867	0	0.000679	0.001652	0.001652	0.002125	0.002195	0.001222	0.556483
LOC112441879	1	0.044087	0.012447	0.072213	0.013203	0.059818	0	0.01171	0.028485	0	0.210699	0.040353	0.050179	1.243484

LOC112441880	1	0.025523	0	0	0	0	0	0	0	0	0	0.005105	0	0
LOC112441881	1	0.010787	0	0	0	0	0	0	0	0	0	0.002157	0	0
LOC112441882	1	0	0.029082	0	0.061697	0.019967	0	0	0	0	0.006116	0.022149	0.001223	0.055222
LOC112441883	1	0.17085	0.085752	0.027639	0.08338	0.103029	0	0	0	0	0	0.09413	0	0
LOC112441884	1	0.131686	0.137899	0.38695	0.3958	0.22091	0	0	0	0.470351	0.354231	0.254649	0.164916	0.647623
LOC112441885	1	0.003099	0	0	0	0	0	0	0	0	0	0.00062	0	0
LOC112441886	1	0	0	0	0	0.114916	0	0	0	0	0	0.022983	0	0
LOC112441887	1	0.35399	0.326635	0	0	0.304584	0.022592	0	0	0	0	0.197042	0.004518	0.022931
LOC112441888	1	0	0.002345	0	0	0	0	0	0	0	0	0.000469	0	0
LOC112441890	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441891	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441892	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441893	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441894	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441895	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441896	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441897	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441898	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441899	1	0	0	0	0	0	0	0	0.752529	0	0	0	0.150506	#DIV/0!
LOC112441900	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441901	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441902	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441903	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441904	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441905	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441906	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441907	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441908	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441909	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441910	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441912	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441913	1	0	0	0	0.565975	0	0	0	0	0	0	0.113195	0	0
LOC112441914	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441915	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441916	1	0	0	0	0.193944	0	0	0	0	1.673972	2.15311	0.038789	0.765416	19.73292
LOC112441917	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441918	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441919	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441920	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441921	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441922	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441923	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441924	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441925	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441926	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112441927	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441929	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441930	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441931	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441932	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441933	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441934	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441935	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441936	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441937	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441938	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441939	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441940	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441941	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441942	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441943	1	0.702089	0.396437	0	0	0	0	0	0	0	0	0.219705	0	0
LOC112441944	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441945	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441946	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441979	1	0	0	0	0.004732	0	0	0.008394	0.015313	0.020421	0.006566	0.000946	0.010139	10.71346
LOC112441980	1	1.219175	1.17713	1.788637	2.909736	4.495438	3.019704	1.285455	1.683681	1.058468	1.206723	2.318023	1.650806	0.712161
LOC112441981	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441982	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441984	1	0	0.069998	0.31586	0.247497	0	0	0	0	0	0.034346	0.126671	0.006869	0.054228
LOC112441985	1	0	0.299372	0.53442	0.219845	0	0	0	0	0	0.711859	0.210727	0.142372	0.67562
LOC112441986	1	0.018942	0.042782	0.020684	0.136142	0	0	0	0	0	0	0.04371	0	0
LOC112441987	1	0.007271	0.002737	0.014115	0.004839	0.004385	0.004228	0	0	0.033412	0.005372	0.006669	0.008602	1.289835
LOC112441988	1	0.007439	0.008401	0	0	0.042898	0	0.001976	0.004806	0.009614	0.001546	0.011748	0.003589	0.305468
LOC112441989	1	0.002568	0.0029	0	0.003076	0	0	0	0	0.039829	1.229507	0.001709	0.253867	148.5517
LOC112441990	1	0.05935	0.014894	0	0	0.03579	0	0	0	0.136363	0	0.022007	0.027273	1.239279
LOC112441991	1	0.003009	0.001359	0.001314	0.001442	0	0.003149	0.007672	0.004665	0.021775	0.006002	0.001425	0.008652	6.073292
LOC112441992	1	0.007149	0.013456	0.01995	0.011894	0	0.051963	0.042198	0.059535	0.092395	0.069324	0.01049	0.063083	6.013717
LOC112441993	1	0.006605	0.009946	0	0.002637	0	0	0	0	0.034147	0.04026	0.003838	0.014881	3.877697
LOC112441994	1	0	0.002047	0	0	0	0	0	0	0	0	0.000409	0	0
LOC112441995	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441996	1	0.009887	0.022332	0.06478	0	0	0.258717	0.08404	0.114989	0.48558	0.090398	0.0194	0.206745	10.65704
LOC112441997	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112441998	1	0	0.011956	0	0	0	0	0	0	0	0	0.002391	0	0
LOC112441999	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442000	1	0.006534	0.036892	0	0.054786	0.01773	0.017096	0	0	0	0	0.023188	0.003419	0.147455
LOC112442001	1	0	0.010513	0	0	0	0	0	0.024059	0.048124	0	0.002103	0.014437	6.866237
LOC112442002	1	0	0	0	0	0	0	0.011709	0.00356	0.035606	0.00687	0	0.011549	#DIV/0!
LOC112442003	1	0	0	0	0	0	0	0	0	0	0.042709	0	0.008542	#DIV/0!
LOC112442004	1	0.075997	0.021456	0	0.022759	0	0	0	0	0	0	0.024043	0	0
LOC112442005	1	0	0	0	0.007758	0	0	0.027523	0	0.01674	0.026914	0.001552	0.014235	9.174897

LOC112442006	1	0.002811	0.003175	0.006139	0.005051	0	0	0	0	1.387836	0.081777	0.003435	0.293922	85.56172
LOC112442007	1	0	0.058509	0	0	0	0	0	0	0	0.021531	0.011702	0.004306	0.367999
LOC112442008	1	0	0.007018	0	0	0.033729	0	0	0	0	0.123971	0.00815	0.024794	3.042409
LOC112442009	1	0.001747	0	0	0.002092	0	0	0	0	0	0	0.000768	0	0
LOC112442010	1	0	0	0	0.022319	0	0	0	0	0	0	0.004464	0	0
LOC112442011	1	0.031384	0.008861	0.108525	0.090855	0.149042	0	0	0.020278	0	0	0.077733	0.004056	0.052173
LOC112442012	1	0	0.034417	0	0.018254	0	0	0.03238	0	0.236325	0.569941	0.010534	0.167729	15.92255
LOC112442013	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442015	1	0	0.005065	0	0	0	0	0	0	0	0	0.001013	0	0
LOC112442016	1	0.028779	0.051459	0.041902	0.057458	0.026033	0	0.010192	0	0.037195	0	0.041126	0.009477	0.230448
LOC112442017	1	0.010703	0.031425	0.018699	0.020513	0.046469	0	0	0	0.088526	0.028466	0.025562	0.023398	0.915364
LOC112442018	1	0	0	0	0	0	0	0.003417	0.004156	0	0	0	0.001515	#DIV/0!
LOC112442019	0.001069	0.601271	0.459336	0.888309	1.271045	1.295724	0	0	0	0	0	0.903137	0	0
LOC112442020	1	0.138896	0.234409	0.152235	0.130508	0.068658	0.021617	0.018652	0.001334	0.018685	0.026608	0.144941	0.01738	0.119907
LOC112442021	1	0	0	0	0	0	0	0	0	0.035761	0	0	0.007152	#DIV/0!
LOC112442022	1	0.003682	0.002495	0.012865	0.010585	0	0.003854	0	0.003806	0.030454	0.011017	0.005925	0.009826	1.658293
LOC112442023	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442024	1	0.054982	0.065541	0.24516	0.085072	0.093252	0.039964	0.016227	0.033551	0.05132	0.052046	0.108801	0.038622	0.354974
LOC112442025	1	0.015651	0.015919	0.004527	0.004346	0.005344	0.001085	0.005506	0.009108	0.02197	0.010855	0.009158	0.009705	1.059746
LOC112442026	1	0.066364	0.062454	0.048312	0.026499	0	0	0	0	0.171538	0.036773	0.040726	0.041662	1.022995
LOC112442027	1	0.004432	0.010009	0.004839	0.002654	0	0	0	0	0	0	0.004387	0	0
LOC112442028	1	0	0.00676	0	0	0	0	0	0	0	0	0.001352	0	0
LOC112442029	0.07275	0	0	0	0	0	0.02557	0.012978	0.037883	0.113667	0.032489	0	0.044518	#DIV/0!
LOC112442030	1	0.00087	0.001964	0	0	0	0	0.003696	0	0	0	0.000567	0.000739	1.304205
LOC112442031	1	0.031017	0.262709	1.168519	0.891726	0.883788	0.324646	0.049432	0.040081	0.120261	0	0.647552	0.106884	0.165059
LOC112442032	1.49E-10	3.467038	3.509037	2.443001	1.622077	3.266313	0	0.027801	0.033813	0	0.032623	2.861493	0.018847	0.006587
LOC112442033	1	0	0	0	0	0	0.05678	0	0.056081	0	0	0	0.022572	#DIV/0!
LOC112442034	1	0.048866	0.174752	0.088935	0.078049	0.839842	0	0	0	0.12631	0	0.246089	0.025262	0.102654
LOC112442035	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442036	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442037	1	0	0	0	0.080854	0	0	0	0	0	0.056101	0.016171	0.01122	0.693857
LOC112442038	1	0.06258	0.054967	0.364458	0.041647	0.075476	0	0	0.01797	0.047928	0.142557	0.119825	0.041691	0.347933
LOC112442039	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442040	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442041	1	0	0	0.007076	0	0	0	0	0	0	0	0.001415	0	0
LOC112442042	1	0.236569	0.198714	0.239115	0.112417	0.360778	0.010232	0.033236	0.055582	0.192038	0.061751	0.229518	0.070568	0.30746
LOC112442043	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442044	1	0	0.020199	0	0	0	0	0	0	0	0.019822	0.00404	0.003964	0.981331
LOC112442045	1	0.002344	0.004236	0.002048	0.004493	0	0	0	0	0	0	0.002624	0	0
LOC112442046	1	0	0.003314	0	0	0	0	0.006237	0	0.015173	0	0.000663	0.004282	6.459355
LOC112442047	1	0	0.052126	0.044803	0.129014	0	0	0.021796	0.013255	0	0.008525	0.045188	0.008715	0.192864
LOC112442048	1	0.232701	0.147819	0.285868	0.487814	0.499916	0	0.123619	0.062646	0	0.016118	0.330823	0.040477	0.122351
LOC112442049	0.577547	0.214823	0.278991	0.363602	0.585437	0.029148	0	0	0.02776	0	0.017855	0.2944	0.009123	0.030989
LOC112442050	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442051	1	0.11144	0.192476	0.329279	0.196313	0	0	0.027859	0	0.067777	0.043588	0.165902	0.027845	0.16784
LOC112442052	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112442053	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442054	1	0.002761	0.010914	0.084428	0.046308	0	0.003613	0.014669	0.032114	0.010706	0.003443	0.028882	0.012909	0.446947
LOC112442055	1	0	0.081288	0	0	0	0	0	0	0	0	0.016258	0	0
LOC112442056	1	0.517013	0.23021	0	0	0.160343	0	0	0	0	0	0.181513	0	0
LOC112442057	1	0.034771	0.004908	0	0	0	0	0.009236	0.190962	0	0	0.007936	0.04004	5.045343
LOC112442058	1	0.000965	0.00436	0	0	0	0	0	0	0.019959	0.004813	0.001065	0.004954	4.651897
LOC112442059	1	0.004786	0.005405	0	0	0	0	0	0	0	0	0.002038	0	0
LOC112442060	1	0	0	0.012701	0	0	0	0	0	0	0.111172	0.00254	0.022234	8.753287
LOC112442061	1	0.041994	0.071136	0.287646	0.086889	0.108778	0.019979	0	0.069065	0.04934	0.028558	0.119289	0.033388	0.279895
LOC112442062	1	0.006086	0	0	0	0	0	0	0	0	0	0.001217	0	0
LOC112442063	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442064	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442065	1	0.027619	0	0.120637	0	0.149897	0	0	0	0	0	0.059631	0	0
LOC112442066	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442067	1	0	0	0	0	0	0	0	0	0.111727	0	0	0.022345	#DIV/0!
LOC112442068	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442069	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442070	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442071	0.023883	0.028916	0	0.031576	0.017319	0	0.832295	1.290342	1.830922	0.597939	0.216305	0.015562	0.953561	61.27447
LOC112442072	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442073	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442074	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442075	1	0	0.008908	0	0	0	0	0	0	0	0	0.001782	0	0
LOC112442076	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442077	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442079	0.001785	0.62959	0.514205	0.454241	0.350156	0.27458	0	0	0	0.02906	0	0.444554	0.005812	0.013074
LOC112442080	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442081	1	1.354942	2.017716	0.652014	0.73176	2.031626	0	0.107359	0.332372	0	0	1.357612	0.087946	0.06478
LOC112442082	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442083	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442084	1	0.15916	0.102709	0.049657	0.018158	0.452475	0	0	0	0	0	0.156432	0	0
LOC112442085	1	0.01556	0	0	0	0	0	0	0	0	0	0.003112	0	0
LOC112442086	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442087	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442088	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442089	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442090	0.000495	0	0	0	0	0	1.339509	0.747858	1.157638	9.924057	7.020531	0	4.037919	#DIV/0!
LOC112442091	1	0.272187	0.258848	0.844738	0.29173	0	0.149941	0.456618	0.370237	0.444349	0.738232	0.3335	0.431876	1.294978
LOC112442092	1	0	0	0	0	0	0	0	0	0.096224	0	0	0.019245	#DIV/0!
LOC112442093	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442094	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442095	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442096	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442097	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442098	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442099	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112442100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442102	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442103	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442104	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442105	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442106	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442107	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442108	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442109	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442110	1	0.133198	0	0	0	0.72291	0.697067	0	0	0	0	0.171221	0.139413	0.814229
LOC112442111	1	0	0	0	0	0	0	0	0.688484	0	0	0	0.137697	#DIV/0!
LOC112442112	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442113	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442114	1	0	0	0	0	0	0	0	0	0	0.87533	0	0.175066	#DIV/0!
LOC112442115	1	0	0	0	0	0	0	0	0	0	0.583553	0	0.116711	#DIV/0!
LOC112442116	1	0.526567	0	0	0.210257	0	0	0	0	0	0	0.147365	0	0
LOC112442117	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442118	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442119	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442120	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442121	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442123	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442125	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442126	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442127	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442128	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442129	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442131	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442132	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442133	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442134	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442135	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442136	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442137	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442138	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442139	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442140	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442142	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442143	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442189	1	3.509936	4.163518	0	0	3.857919	1.940099	1.09853	0.06153	0	0	2.306274	0.620032	0.268846
LOC112442190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112442191	0.63988	0.115251	0.104689	0.08536	0.116449	0.043513	0.29895	0.380131	0.602194	1.354809	0.345687	0.093052	0.596354	6.408794
LOC112442195	1	0.103192	0.038845	0.100163	0.034337	0.031114	0.360024	0.194913	0.059265	0.296369	0.285898	0.06153	0.239294	3.88905
LOC112442196	1	0	0	0.029487	0.097042	0	0	0	0	0	0.044889	0.025306	0.008978	0.35477
LOC112442197	1	0.086491	0	0	0.029602	0	0	0.078767	0.063866	0.063875	0	0.023219	0.041302	1.778816
LOC112442198	1	0	0.104789	0	0	0	0	0	0	0.383756	0	0.020958	0.076751	3.662171
LOC112442199	1	0.021775	0.024591	0	0	0	0	0	0	0	0	0.009273	0	0
LOC112442200	1	0	0.005974	0.011554	0.003169	0	0	0	0	0.013675	0	0.004139	0.002735	0.660705
LOC112442201	1	0.003527	0.02987	0.007702	0	0.052635	0	0.007494	0	0	0.008794	0.018747	0.003257	0.173763
LOC112442202	1	0.036912	0.016674	0	0	0.040067	0	0	0.076318	0	0	0.018731	0.015264	0.814899
LOC112442203	0.297912	0.002495	0.005636	0	0.005978	0	0.052231	0.047718	0.058037	0.141888	0.157614	0.002822	0.091498	32.42653
LOC112442204	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442205	1	0.037239	0.056072	0.162657	0.178434	0	0	0.052754	0.032081	0.064171	0.041269	0.08688	0.038055	0.438015
LOC112442207	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442208	1	0.221212	0.216507	0.209351	0.114828	0.660326	0	0.094013	0.114342	0.152478	0.147091	0.284445	0.101585	0.357133
LOC112442209	1	0	0.034099	0	0	0.040969	0	0	0	0	0	0.015013	0	0
LOC112442210	1	0.025357	0.009545	0	0	0.091746	0	0	0.043689	0	0	0.02533	0.008738	0.344961
LOC112442211	1	0.343014	0.145742	0	0	0	0	0	0	0	0	0.097751	0	0
LOC112442212	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442213	1	0	0	0	0	0	0	0	0	0.068086	0.043787	0	0.022375	#DIV/0!
LOC112442214	1	0.029592	0.044557	0.064627	0.02954	0	0	0	0	0.331453	0.081986	0.033663	0.082688	2.456324
LOC112442215	1	0	0.040925	0.178075	0.097674	0.196682	0.189651	0	0	0.140507	0	0.102671	0.066032	0.643136
LOC112442216	1	0	0	0.076667	0	0	0	0	0	0	0	0.015333	0	0
LOC112442217	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442218	1	0	0	0.34582	0.521622	0	0	0	0	0.233882	0	0.173488	0.046776	0.269623
LOC112442219	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442220	1	0	0	0	0	0	0.111816	0	0.05522	0	0	0	0.033407	#DIV/0!
LOC112442221	1	3.00556	2.555835	5.483156	4.038805	2.36429	1.321998	1.150257	1.438956	4.130938	1.662558	3.489529	1.940941	0.556219
LOC112442222	1	0.007416	0.008375	0	0	0.020124	0	0	0	0	0	0.007183	0	0
LOC112442223	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442224	1	0.063342	0.017883	0	0	0	0	0.016825	0	0	0	0.016245	0.003365	0.207138
LOC112442226	0.000534	3.287732	4.023821	0.688321	0.536506	2.498291	0.078129	0.031724	0.240075	0.017151	0.071694	2.206934	0.087755	0.039763
LOC112442227	0.080204	0.796866	1.482476	1.021296	1.331362	0.125193	0.010974	0.053473	0.081294	0	0.087149	0.951439	0.046578	0.048955
LOC112442228	1.12E-06	0.582904	1.282149	0.527846	0.541332	0.261798	0.031887	0.002158	0.013123	0.0105	0.003376	0.639206	0.012209	0.0191
LOC112442229	0.30574	0.244007	0.327225	0.099919	0.164415	0.186231	0	0	0	0	0.012676	0.204359	0.002535	0.012405
LOC112442230	1	0.092289	0	0.453502	0.359297	0.125221	0	0	0	0	0.038354	0.206062	0.007671	0.037226
LOC112442231	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442232	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442233	1	0	0	0.005462	0	0	0	0	0.012928	0	0	0.001092	0.002586	2.366749
LOC112442234	1	0	0.148664	0	0	0	0	0	0	0	0	0.029733	0	0
LOC112442235	1	0.926523	2.62996	0.875023	1.229863	0	3.538314	3.88442	4.271354	3.624707	0	1.132274	3.063759	2.705846
LOC112442236	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442237	1	0	0	0	0.547384	0.248006	0	0	0	0.472459	0	0.159078	0.094492	0.593997
LOC112442238	1	0.033589	0.054188	0.052397	0.051732	0.026042	0	0	0	0	0	0.04359	0	0
LOC112442239	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442240	1	0	0	0	0	0	0	0	0	0	0.009861	0	0.001972	#DIV/0!
LOC112442241	1	0.234395	0.198528	0	0	0	0	0.373558	0.151445	0	0	0.086584	0.105001	1.212695

LOC112442242	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442243	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442244	1	0	0	0	0	0	0.15904	0	0	0	0	0	0.031808	#DIV/0!
LOC112442245	1	0.066904	0	0.396599	0.217533	0.051873	0	0	0	0	0.111217	0.146582	0.022243	0.151747
LOC112442246	1	1.162703	0.930075	1.005139	1.576566	1.709063	3.084658	1.561336	3.276219	2.629704	1.261689	1.276709	2.362721	1.850634
LOC112442247	1	0.538187	0.838315	0.04053	0	0.402886	0	0	0	0	0	0.363984	0	0
LOC112442248	1	0.101821	0.097739	0.322441	0.274434	0.027631	0	0.043273	0	0.131594	0.177723	0.164813	0.070518	0.427867
LOC112442249	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442250	1	0.002392	0	0.005225	0	0	0	0	0	0	0	0.001524	0	0
LOC112442251	1	0.007174	0.006752	0.01371	0.015756	0.000811	0.020338	0.01461	0.008498	0.037089	0.066092	0.008841	0.029325	3.31708
LOC112442252	1	0.002817	0	0.018455	0.006748	0	0.044223	0	0.01092	0.007281	0.014047	0.005604	0.015294	2.729128
LOC112442253	1	0.047578	0.049391	0.040765	0.042307	0.015394	0.024899	0.054439	0.065265	0.041625	0.009126	0.039087	0.039071	0.999589
LOC112442254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442255	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442256	1	0	0	0	0	0	0	0.3195	0.706523	0	0	0	0.205205	#DIV/0!
LOC112442257	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442258	1	0.086711	0.089021	0	0	0.042783	0	0	0	0	0	0.043703	0	0
LOC112442259	1	0.017944	0.006755	0	0	0	0	0	0	0	0	0.00494	0	0
LOC112442260	1	0	0	0	0	0	0	0	0	0	0.010829	0	0.002166	#DIV/0!
LOC112442261	1	0.010469	0	0	0	0	0	0	0	0	0	0.002094	0	0
LOC112442262	1	0.003768	0	0	0.020313	0.010226	0	0	0	0.00974	0	0.006861	0.001948	0.283915
LOC112442263	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442264	1	0.001248	0	0	0	0.013542	0	0	0	0	0	0.002958	0	0
LOC112442265	1	0	0.004146	0	0	0.009962	0	0	0	0	0	0.002822	0	0
LOC112442266	1	0.00228	0.003019	0.002232	0.001601	0.000427	0.001646	0.00284	0.00447	0.015039	0.012024	0.001912	0.007204	3.768125
LOC112442267	1	0.296648	0.023104	0	0.049014	0.111035	0	0	0	0	0	0.09596	0	0
LOC112442268	1	0	0.002999	0.072504	0.036586	0	0.006949	0.005644	0	0.089244	0.00883	0.022418	0.022133	0.987308
LOC112442269	1	0.00472	0.010661	0.010308	0	0.083255	0.037052	0	0	0	0.003923	0.021789	0.008195	0.37611
LOC112442270	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442271	1	0.357731	0.403988	0.11161	0.290784	0.936094	0	0	0	0	0.042476	0.420041	0.008495	0.020225
LOC112442272	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442273	1	0	0.036822	0	0	0	0	0	0	0	0	0.007364	0	0
LOC112442274	1	0.008	0	0	0.038334	0	0	0	0	0	0	0.009267	0	0
LOC112442275	1	0	0.014537	0	0	0.034932	0	0	0	0	0	0.009894	0	0
LOC112442276	1	0.007717	0.009151	0.164326	0.049457	0.002094	0.03029	0.060675	0.081773	0.19748	0.055804	0.046549	0.085204	1.830415
LOC112442277	1	0.019153	0.025492	0.017927	0.020485	0.016706	0	0.005814	0.012375	0.456172	0.111435	0.019953	0.117159	5.87187
LOC112442278	1	0	0	0.043358	0.063418	0	0	0	0	0	0	0.021355	0	0
LOC112442279	1	0.006501	0.00944	0.034482	0.036158	0.004411	0	0.000987	0.0036	0.007202	0.002316	0.018198	0.002821	0.155015
LOC112442280	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442281	1	0	0	0.007611	0.004175	0	0	0	0	0.018016	0.01738	0.002357	0.007079	3.003275
LOC112442282	1	0	0	0	0.001304	0	0	0	0	0	0.005427	0.000261	0.001085	4.163141
LOC112442283	1	0.00103	0.001163	0.03823	0.051806	0	0.005389	0	0.015967	0.01597	0.01027	0.018446	0.009519	0.516064
LOC112442284	1	0.297612	0.106135	0.3763	0.365889	0.318798	0.491842	0.099854	0.040482	0.040488	0.026038	0.292947	0.139741	0.477018
LOC112442285	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442286	1	0	0.008243	0	0	0	0	0	0	0	0	0.001649	0	0
LOC112442287	1	0.034573	0.030991	0.009438	0.003365	0.002346	0.001131	0	0.006701	0.020107	0.031969	0.016143	0.011982	0.74224

LOC112442288	2.98E-11	0.587777	0.126434	0.122255	0.569981	0.683586	31.34622	23.96885	47.23605	31.8329	19.40205	0.418007	30.75721	73.58064
LOC112442289	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442290	1	0	0	0	0	0	0.033542	0.003405	0	0	0	0	0.007389	#DIV/0!
LOC112442291	1	0.00637	0.002398	0	0	0	0	0	0	0	0	0.001754	0	0
LOC112442292	1	0.025518	0.019211	0	0	0	0	0	0	0	0	0.008946	0	0
LOC112442294	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442295	1	0.543364	0.534954	0	0	3.780796	0	0	0	0	0	0.971823	0	0
LOC112442296	1	0.044926	0.061764	2.542481	2.323455	0.053006	0	0.008301	0.146397	2.090245	0.896177	1.005126	0.628224	0.62502
LOC112442297	1	0	0.01217	0	0	0	0	0	0	0	0	0.002434	0	0
LOC112442298	1	0.929705	1.351953	0.815884	0.920445	1.255696	0.488767	0.947194	0.768008	1.36067	1.079718	1.054736	0.928871	0.880667
LOC112442299	1	0.00504	0.013043	0.014217	0.00981	0.004559	0.012089	0.020972	0.022794	0.102045	0.01501	0.009334	0.034582	3.705028
LOC112442300	1	0.004119	0.001551	0	0	0	0	0	0	0	0	0.001134	0	0
LOC112442301	1	0.002495	0.001127	0.008717	0.005977	0	0	0	0	0.002579	0.001659	0.003663	0.000848	0.231394
LOC112442302	1	0	0	0	0	0	0	0	0	0	0.061578	0	0.012316	#DIV/0!
LOC112442303	1	0.111249	0.09137	0	0	0.027445	0.105855	0.472798	0.731862	0	0	0.046013	0.262103	5.696293
LOC112442304	1	0	0	0.007894	0.00866	0	0	0	0	0	0	0.003311	0	0
LOC112442305	1	0.05966	0.013475	0.364825	0.078613	0	0.249775	0.63387	0.370049	1.357044	0.208266	0.103314	0.563801	5.45714
LOC112442306	1	0.056764	0.077841	0.013283	0.038856	0.033009	0.095486	0.08185	0.146704	0	0	0.04395	0.064808	1.47457
LOC112442307	1	0.205555	1.02913	0.269355	0.558128	0.40906	0.107574	0.160158	0.070833	0.070843	0.216411	0.494246	0.125164	0.253242
LOC112442308	1	0.006032	0	0	0	0.008184	0.047348	0.115352	0.050662	0	0	0.002843	0.042672	15.0091
LOC112442309	1	0.011048	0.049904	0.048255	0.026468	0.044969	0	0	0	0.028556	0	0.036129	0.005711	0.158079
LOC112442310	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442312	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442313	1	0.011985	0.008459	0.013088	0.003589	0.028459	0	0	0	0.01549	0	0.013116	0.003098	0.236198
LOC112442314	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442315	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442316	1	0.042878	0.047364	0.059359	0.085325	0.027977	0.144692	0.042321	0.044205	0.228932	0.101659	0.052581	0.112362	2.136942
LOC112442317	1	0.008758	0	0	0.013989	0	0	0.006204	0	0	0.014559	0.004549	0.004153	0.912774
LOC112442318	1	0.058945	0.003916	0	0.004154	0	0	0	0	0.026887	0.002882	0.013403	0.005954	0.444225
LOC112442319	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442320	1	0	0	0.0399	0	0	0	0	0	0	0	0.00798	0	0
LOC112442321	1	0	0.01573	0.141961	0.005562	0	0	0	0	0	0	0.032651	0	0
LOC112442322	1	0	0	0.080198	0.009775	0	0	0	0	0	0	0.017995	0	0
LOC112442323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442324	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442325	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442326	1	0.036134	0.020403	0.059187	0.021643	0.012257	0	0	0	0	0	0.029925	0	0
LOC112442327	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442328	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442329	1	0	0	0	0	0	0	0	0.012627	0.025258	0.016244	0	0.010826	#DIV/0!
LOC112442330	1	0.005457	0.001643	0.003178	0.001743	0	0	0.001546	0.002821	0.078989	0.0127	0.002404	0.019211	7.990313
LOC112442331	1	0.000922	0.004163	0	0	0	0	0	0	0	0	0.001017	0	0
LOC112442332	1	0.239247	0.270183	0.574756	0.544525	0	0	0	0	1.484184	0.079542	0.325742	0.312745	0.9601
LOC112442333	1	0.440177	0.165698	0	0	0	0	0	0	0	0	0.121175	0	0
LOC112442334	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442335	1	0.024752	0	0.250019	0.170492	0	0	0	0	0	0	0.089053	0	0

LOC112442336	1	0.006948	0.007847	0.060698	0.041616	0.018855	0	0.007382	0.044893	0.035919	0.03465	0.027193	0.024569	0.903514
LOC112442337	1	0.023525	0.070845	0.034252	0.018787	0.085119	0	0.166632	0.141865	0.081078	0.039107	0.046506	0.085736	1.843563
LOC112442338	1	0.073167	0.017395	0.033641	0.036904	0.0418	0	0.024549	0	0.159262	0.012803	0.040582	0.039323	0.968984
LOC112442339	1	0.025341	0	0.041508	0.007589	0	0	0	0	0.212882	0	0.014888	0.042576	2.859854
LOC112442340	1	0.252799	0.047581	0	0.025236	0	0.055124	0.033574	0	0	0	0.065123	0.01774	0.272402
LOC112442342	1	0.005564	0.004189	0	0	0	0	0.003941	0.01438	0	0	0.001951	0.003664	1.878496
LOC112442344	1	0	0.005177	0	0	0	0	0	0	0.0237	0.010161	0.001035	0.006772	6.540374
LOC112442345	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442346	1	0.016596	0.006247	0	0	0	0	0	0	0	0.009196	0.004569	0.001839	0.40257
LOC112442347	1	0.187809	0	0.136722	0.374958	0.424709	0.491433	0.199542	0.080897	0.485452	0.104067	0.22484	0.272278	1.210987
LOC112442348	1	0	0.051699	0	0.01371	0	0	0	0	0	0	0.013082	0	0
LOC112442349	1	0.092782	0.113229	0	0	0.117768	0	0	0	0	0	0.064756	0	0
LOC112442350	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442351	1	0.228727	0.35283	0	0	0.007924	0	0.010341	0.002515	0	0	0.117896	0.002571	0.02181
LOC112442352	1	0.010536	0.014278	0	0	0.051463	0	0.01791	0.076241	0	0	0.015255	0.01883	1.234348
LOC112442353	1	0	0.052825	0	0	0	0.081599	0.033133	0.080595	0	0	0.010565	0.039065	3.6976
LOC112442354	1	0	0	0	0	0	0.011905	0	0	0.02352	0.003782	0	0.007841	#DIV/0!
LOC112442355	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442356	1	0.049036	0	0	0	0	1.682305	0.393643	0.732226	0	0	0.009807	0.561635	57.2673
LOC112442357	1	0	0	0	0	0	0.241936	0.135075	0.298696	0	0	0	0.135141	#DIV/0!
LOC112442358	1	0.064164	0	0.966912	0.684072	0	0	0	0	0	0	0.34303	0	0
LOC112442359	1	0.003752	0.003178	0	0.000562	0	0	0	0	0	0	0.001498	0	0
LOC112442360	1	0	0	0	0.134514	0	0	0	0	0	0	0.026903	0	0
LOC112442361	1	0	0	0	0	0	0.040648	0	0.020074	0	0	0	0.012144	#DIV/0!
LOC112442362	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442363	1	0	0	0	0	0	0.219716	0.029738	0	0	0	0	0.049891	#DIV/0!
LOC112442364	1.09E-05	0.127262	0.414569	2.98245	2.339459	0.62428	0	0	0	0	0	1.297604	0	0
LOC112442365	1	0.087412	0.07198	0.087498	0.159247	0.138371	0.085773	0.069655	0.084717	0.047072	0.072654	0.108902	0.071974	0.66091
LOC112442366	1	0	0.016178	0	0	0	0	0.030441	0.037024	0	0.023814	0.003236	0.018256	5.642162
LOC112442367	1	0	0	0.037035	0.060941	0	0	0	0	0	0	0.019595	0	0
LOC112442368	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442369	1	0	0.037605	0.145449	0	0	0	0	0	0	0	0.036611	0	0
LOC112442370	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442371	1	0.035846	0.010795	0.020876	0.077291	0.110244	0	0	0	0	0	0.05101	0	0
LOC112442372	1	0.047322	0.033401	0.012919	0.035429	0.048156	0.092869	0	0.015288	0.122319	0.068832	0.035445	0.059861	1.688841
LOC112442373	1	0	0	0.037859	0.024919	0	0	0	0	0.035847	0.005763	0.012556	0.008322	0.66281
LOC112442374	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442375	1	0	0	0	0	0	0	0	0.080905	0	0.003252	0	0.016832	#DIV/0!
LOC112442376	1	0.097817	0.055233	0	0	0	0.511909	0.103928	0.252803	1.769876	0.731721	0.03061	0.674047	22.02053
LOC112442377	1	0.030849	0.02787	0	0.003695	0	0	0.052442	0	0	0	0.012483	0.010488	0.840219
LOC112442378	1	0	0.007465	0.086625	0.007919	0.071757	0	0	0	0.034175	0	0.034753	0.006835	0.196672
LOC112442379	1	0	0	0	0.016561	0	0	0	0	0	0	0.003312	0	0
LOC112442380	1	0	0	0.235053	0	0	0	0	0	0	0	0.047011	0	0
LOC112442381	1	0	0	0	0	0	0	0	0	0	0.126525	0	0.025305	#DIV/0!
LOC112442382	1	0.370954	0.568535	0.254618	0.438016	0.575227	0.110933	0.180173	0.328701	0.684892	0.035237	0.44147	0.267987	0.607034
LOC112442383	1	0.806361	0.182126	0.44827	0.035125	4.575324	0	0	0.075782	0	0	1.209441	0.015156	0.012532

LOC112442384	1	0.00962	0.047076	2.26898	1.747714	0.034806	0.016781	0.068138	0.049723	0.513881	0.570352	0.821639	0.243775	0.296693
LOC112442385	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442386	1	0.152296	0.187624	0	0	0.450853	0	0	0	0	0	0.158155	0	0
LOC112442387	1	0	0.117923	0	0	0	0	0	0	0	0	0.023585	0	0
LOC112442388	1	0.002568	0	0.005608	0.003076	0	0	0	0	0	0	0.00225	0	0
LOC112442390	1	0.002513	0	0	0	0	0	0	0	0	0	0.000503	0	0
LOC112442391	1	0	0	0	0.008653	0	0	0	0	0	0	0.001731	0	0
LOC112442392	1	1.460176	2.2176	0.439857	0.48252	0	0	0	0	0.260296	0	0.920031	0.052059	0.056584
LOC112442393	1	0.013514	0.021939	0.012913	0.015177	0.011461	0.013261	0.028718	0.026196	0.257627	0.153047	0.015001	0.095769	6.38429
LOC112442394	1	0.225596	0.063692	0	0	0	0.590309	0	0	0	0	0.057858	0.118062	2.04056
LOC112442395	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442396	1	0.004885	0.005941	0.004924	0.003151	0.00102	0.003933	0.005589	0.012625	0.042737	0.041227	0.003984	0.021222	5.326717
LOC112442397	1	0	0	0.003556	0.001951	0	0	0	0	0.042089	0.016241	0.001101	0.011666	10.59247
LOC112442398	1	0	0	0	0.010942	0	0	0	0	0.188892	0.03037	0.002188	0.043852	20.03785
LOC112442399	1	0.002201	0	0.002404	0.001318	0	0	0	0	0	0	0.001185	0	0
LOC112442400	1	0.019208	0.135155	0.032269	0.026549	0.008019	0.015465	0	0.003819	0.030553	0.027018	0.04424	0.015371	0.347443
LOC112442401	1	0.237819	0.437385	0.519387	0.423253	0.571606	0	0.057755	0	0.316141	0.045181	0.43789	0.083815	0.191407
LOC112442402	1	0.395665	0.610663	0.662489	0.063195	0.14316	0	0	0	0.409089	0.109621	0.375034	0.103742	0.27662
LOC112442403	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442404	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442405	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442406	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442408	1	0.064044	0.307382	459.8907	280.4612	0.173794	0.335163	0.102068	0	97.50421	786.8367	148.1794	176.9556	1.194199
LOC112442409	1	0.032437	0	0.070841	0.019428	0	0	0.034463	0.167662	0.083843	0.053921	0.024541	0.067978	2.769963
LOC112442410	1	0.061828	0.029924	0.096449	0.024688	0.00799	0	0	0	0	0	0.044176	0	0
LOC112442412	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442413	1	0	0	0.069816	0.038294	0	0	0	0	0	0	0.021622	0	0
LOC112442414	0.006493	0.136258	0.324851	0.297582	0.290173	0.28759	0	0	0	0	0	0.267291	0	0
LOC112442415	1	0	0.006712	0	0	0	0	0.08209	0.084481	0.092174	0.044459	0.001342	0.060641	45.17468
LOC112442416	1	0	0	0.024156	0	0.06003	0	0	0	0	0	0.016837	0	0
LOC112442417	1	0	0	0	0	0.005206	0	0	0	0	0	0.001041	0	0
LOC112442418	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442419	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442420	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442421	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442422	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442423	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442424	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442425	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442426	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442427	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442429	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442430	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442431	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442432	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112442433	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442435	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442436	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442437	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442438	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442439	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442440	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442441	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442442	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442443	1	0	0	0	0	0	0	0	0	0	0.245827	0	0.049165	#DIV/0!
LOC112442444	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442445	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442446	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442447	1	0	0	0.532685	0	0	0	0	0	0	0	0.106537	0	0
LOC112442448	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442449	1	0.006371	0.007194	0	0.002544	0	0	0	0	0.010978	0	0.003222	0.002196	0.681488
LOC112442450	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442451	1	1.946205	2.967112	2.125218	1.515376	0	0	0.206779	2.011943	2.515294	0.970573	1.710782	1.140918	0.666898
LOC112442452	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442453	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442454	1	0	0	0	0	0	1.837131	0	0	0	0	0	0.367426	#DIV/0!
LOC112442455	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442456	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442457	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442458	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442459	1	0.351044	0	0	0	0	0	0	0	0	0	0.070209	0	0
LOC112442460	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442461	1	0	0.396437	0	0	0	0	0	0	0	0	0.079287	0	0
LOC112442462	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442463	1	0	0	0.759569	0	0	0	0	0	0	0	0.151914	0	0
LOC112442464	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442465	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442466	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442467	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442468	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442469	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442470	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442471	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442472	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442473	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442474	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442475	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442476	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442477	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442478	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112442479	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442480	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442481	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442482	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442483	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442484	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442485	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442537	1	0.347794	0.278737	0	0	0.669793	0	0	0	0	0	0.259265	0	0
LOC112442538	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442539	1	0.001537	0.000868	0.002518	0.001381	0.002086	0.006034	0	0	0.013908	0.001278	0.001678	0.004244	2.52901
LOC112442540	1	0	0	0	0	0	0	0.008136	0.148435	0	0	0	0.031314	#DIV/0!
LOC112442541	0.537185	0.007518	0.038204	0.036941	0.036021	0.0153	0	0	0	0	0	0.026797	0	0
LOC112442542	1	0.002405	0.002298	0.000808	0.00288	0.003012	0	0	0	0.00765	0.000307	0.00228	0.001591	0.697858
LOC112442543	1	0.002631	0.001486	0.00431	0.000394	0.001785	0	0.004194	0.014451	0.006801	0.002187	0.002121	0.005527	2.605363
LOC112442544	1	0.00713	0.014091	0.002595	0.001423	0.003225	0	0	0	0.003072	0	0.005693	0.000614	0.107911
LOC112442545	1	0	0	0	0	0	0	0	0	0.025386	0.138774	0	0.032832	#DIV/0!
LOC112442546	1	0.016125	0.012629	0.008804	0.013864	0.016233	0.104803	0.050291	0.056797	0.102855	0.051664	0.013531	0.073282	5.415892
LOC112442547	1	0.309924	0.413113	0.560353	0.362127	0.530815	1.023679	1.403516	3.381189	3.204389	1.503362	0.435266	2.103227	4.832046
LOC112442548	1	0.000238	0	0.002078	0.002565	0	0	0.000505	0	0.122979	0.033217	0.000976	0.03134	32.10647
LOC112442549	1	0.004687	0.004234	0.008188	0.003368	0.005087	0	0	0.014535	0.053301	0.028046	0.005113	0.019176	3.750618
LOC112442550	1	0	0.021543	0	0	0	0	0	0	0.049309	0	0.004309	0.009862	2.288857
LOC112442551	1	0.029118	0.054805	0	0	0.026339	0.050794	0.051561	0	0.050176	0.032269	0.022052	0.03696	1.676027
LOC112442552	1	0.060099	0.101805	0.19688	0.071992	1.141619	1.887101	1.46863	0.271813	0.699051	1.223827	0.314479	1.110084	3.529916
LOC112442553	1	0.019248	0.010868	0.021018	0	0.026116	0	0	0	0.074627	0	0.01545	0.014925	0.966054
LOC112442554	1	0.03325	0.056325	0	0	0.015038	0.014501	0	0.014322	0	0	0.020923	0.005765	0.27552
LOC112442555	1	0	0.038686	0	0.010259	0	0	0	0	0.044273	0.028472	0.009789	0.014549	1.486287
LOC112442556	1	0	0.00241	0	0	0	0	0	0	0	0	0.000482	0	0
LOC112442557	1	0.030423	0	0.110736	0.048591	0.110076	0	0	0	0	0	0.059965	0	0
LOC112442558	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442559	1	0.027279	0.070318	0.382063	0.377208	0.013679	0.010862	0.005671	0.012261	0.665254	0.39136	0.174109	0.217082	1.246812
LOC112442560	1	0.041712	0.050772	0	0	0.018301	0.022221	0.044053	0.021948	0	0	0.022157	0.017644	0.796332
LOC112442561	1	0.007028	0.008433	0.013431	0.010524	0	0.006896	0.003734	0.007947	0.009083	0.008032	0.007883	0.007139	0.905536
LOC112442562	1	1.33489	2.957018	2.242576	2.755298	0.891681	0.429903	1.767404	0	0	0.017069	2.036293	0.442875	0.217491
LOC112442563	1	0.035987	0.006773	0.013099	0.01437	0.028484	0	0	0.007751	0	0	0.019743	0.00155	0.078516
LOC112442564	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442565	1	0	0.00269	0.005202	0	0	0	0	0	0	0.003959	0.001578	0.000792	0.50172
LOC112442566	1	0.015619	0.027718	0.053604	0.053457	0.04844	0	0	0	0	0	0.039768	0	0
LOC112442567	1	0	0	0	0.021611	0	0	0	0	0	0	0.004322	0	0
LOC112442568	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442569	1	0.001673	0.001889	0	0	0	0	0.007109	0.01297	0	0	0.000712	0.004016	5.637156
LOC112442570	1	0	0	0	0.063732	0	0	0	0	0	0	0.012746	0	0
LOC112442571	1	0.046258	0.05224	0	0.055413	0	0.48417	0.58978	0.59776	1.673972	0.076897	0.030782	0.684516	22.23743
LOC112442572	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442573	0.000906	0.028542	0.225631	0.187006	0	0.077455	2.688689	3.517764	4.425968	9.738546	3.368733	0.103727	4.74794	45.77345
LOC112442574	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442575	1	0	0	0	0	0	0	0.09281	0	0	0	0	0.018562	#DIV/0!

LOC112442576	1	0.052904	0	0	0	0	0	0	0	0	0	0.010581	0	0
LOC112442577	1	0	0.00564	0.003635	0.004985	0	0	0.003537	0.012906	0.051632	0.001384	0.002852	0.013892	4.870919
LOC112442578	1	0	0.014482	0	0	0	0	0	0	0	0	0.002896	0	0
LOC112442579	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442580	1	0.005851	0.00881	0	0.002336	0	0	0	0	0	0	0.003399	0	0
LOC112442581	1	0.01733	0	0.009462	0.00519	0	0.022673	0	0	0	0	0.006396	0.004535	0.708945
LOC112442582	1	0.241575	0.118918	0.135279	0.06678	0.201709	0	0	0	0.096066	0.010297	0.152852	0.021273	0.13917
LOC112442583	1	0	0.041751	0	0	0	0	0	0	0	0.092185	0.00835	0.018437	2.207994
LOC112442584	1	0	0.095722	0.079336	0.02901	0.03286	0	0	0	0	0	0.047386	0	0
LOC112442585	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442586	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442587	1	0	0.039942	0	0	0	0	0	0	0	0	0.007988	0	0
LOC112442588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442589	1	0	0.046975	0.090845	0	0	0	0	0	0.21504	0.069147	0.027564	0.056837	2.062005
LOC112442590	1	0	0	0	0	0	0	0	0	0.564821	0.018919	0	0.116748	#DIV/0!
LOC112442592	1	0.005826	0	0	0	0	0	0	0	0	0	0.001165	0	0
LOC112442593	1	0.2496	0.185625	0.159546	0.277117	0.286352	0.042479	0.02156	0.010489	0.125887	0.074213	0.231648	0.054926	0.237109
LOC112442594	1	0.012231	0	0.17363	0.183145	0	0	0.012995	0.031611	0.094846	0.111827	0.073801	0.050256	0.680961
LOC112442595	1	0.007702	0	0	0.003076	0	0	0	0	0	0.008536	0.002156	0.001707	0.791985
LOC112442596	1	0.010869	0	0	0	0	0	0	0	0	0	0.002174	0	0
LOC112442597	7.34E-06	0.788589	0.820251	2.220794	2.150314	1.858397	0	0	0.026817	0	0.017249	1.567669	0.008813	0.005622
LOC112442598	1	4.344548	3.664758	2.649444	1.84376	7.036769	0.396797	0.870026	1.214923	1.371886	2.798086	3.907856	1.330344	0.340428
LOC112442599	1	0.003591	0.00811	0	0.002151	0	0	0.003815	0.00464	0.009281	0.014922	0.00277	0.006532	2.357799
LOC112442600	1	0.048012	0.018074	0	0	0	0	0	0.165447	0.165471	0.053209	0.013217	0.076825	5.81253
LOC112442601	1	0.01999	0.017046	0.02762	0.02248	0.022141	0.002135	0.000867	0.002109	0.004218	0.016276	0.021856	0.005121	0.234307
LOC112442602	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442603	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442604	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442605	1	0.034718	0.056011	0.068602	0.065354	0.076268	0	0	0	0	0.010993	0.060191	0.002199	0.036527
LOC112442606	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442607	1	0.000739	0.002085	0.000807	0.000442	0	0.003865	0.008632	0.006681	0.003818	0.003069	0.000815	0.005213	6.400135
LOC112442608	1	0.003254	0.007348	0	0.007795	0	0.1277	0.145184	0.163966	0.025229	0.008113	0.003679	0.094038	25.55859
LOC112442609	1	0	0	0	0	0	0.047781	0.019401	0	0	0	0	0.013437	#DIV/0!
LOC112442610	1	0.432214	0.180636	0.20068	0.110072	0.193942	0.026716	0.028927	0.026387	0.316685	0.152748	0.223509	0.110293	0.49346
LOC112442611	1	0.006458	0	0	0	0	0.042248	0.068618	0.012518	0	0	0.001292	0.024677	19.10474
LOC112442612	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442613	1	0.113397	0.097149	0.153717	0.215466	0.169778	0.040927	0	0	0	0.013	0.149901	0.010785	0.071951
LOC112442614	1	0	0.00917	0.070932	0.019453	0.044068	0	0.017254	0	0.041976	0.161972	0.028725	0.04424	1.540149
LOC112442615	1	0	0.006479	0.743404	0.508548	0	0	0	0	0.405326	0.209808	0.251686	0.123027	0.48881
LOC112442616	1	0.030663	0.034628	0	0	0	0	0	0	0	0	0.013058	0	0
LOC112442618	1	0.018166	0.032238	0	0	0.021127	0	0.132348	0.808186	0	0	0.014306	0.188107	13.14876
LOC112442619	1	0.021691	0.044539	8.656403	4.825955	0.117727	0.02064	0.033522	0.07135	11.65207	10.05704	2.733263	4.366923	1.597696
LOC112442620	1	0.004897	0.019357	0	0.007333	0.006645	0	0	0	0	0.002035	0.007646	0.000407	0.053234
LOC112442621	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442622	1	0	0	0.05681	0.01558	0	0.034033	0	0	0	0	0.014478	0.006807	0.470131
LOC112442623	1	3.577034	4.302301	6.351302	6.340268	11.3326	3.713519	2.508953	3.322058	1.924368	6.448993	6.380701	3.583578	0.561628

LOC112442624	1	0.046549	0.028036	0.203321	0.223042	0.134739	0	0	0	0.080213	0.025793	0.127138	0.021201	0.166759
LOC112442625	1	0	0	3.315938	6.22734	0.044785	0	0	0	4.180516	2.469076	1.917612	1.329918	0.693528
LOC112442626	1	0.070649	0	0.025716	0	0	0	0	0	0.060872	0	0.019273	0.012174	0.631679
LOC112442627	1	0.032837	0.034766	0.008964	0.017209	0.022277	0	0.008722	0.010608	0.02122	0.023882	0.023211	0.012886	0.555187
LOC112442628	1	0.011771	0.010291	0.014097	0.004548	0.010304	0.011922	0	0.058878	0.017666	0.001262	0.010202	0.017946	1.759021
LOC112442629	1	0.003672	0.003211	0.003104	0.001845	0	0.00248	0.002265	0.002755	0.005511	0.002954	0.002366	0.003193	1.349368
LOC112442630	3.37E-11	1.155036	1.276437	1.45227	0.939867	1.222411	0.064764	0.052594	0.01919	0.021325	0.019201	1.209204	0.035415	0.029288
LOC112442632	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442633	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442634	0.437994	0.528268	0.680601	0	0	0.320677	0	0.00186	0.003393	0	0	0.305909	0.001051	0.003435
LOC112442635	1	0.001241	0.003503	0.032517	0.018579	0	0	0	0	0.003207	0	0.011168	0.000641	0.057435
LOC112442636	0.179826	0.56748	0.320429	1.209845	0.485558	1.026636	0	0	0	0.069849	0.02246	0.72199	0.018462	0.025571
LOC112442637	1	0.00611	0.00414	0	0	0	0	0	0	0	0	0.00205	0	0
LOC112442638	1	0.008222	0.003343	0	0	0	0	0.001398	0.00595	0	0	0.002313	0.001469	0.635342
LOC112442639	0.010246	0.002073	0.001003	0.001294	0.001419	0	0.032549	0.042796	0.029852	0.036746	0.015262	0.001158	0.031441	27.15415
LOC112442640	1	0.520935	0.0053	0	0	0.063678	0	0	0	0	0	0.117983	0	0
LOC112442641	1	0.005953	0.002881	0.002476	0.000679	0.000769	0.002967	0.004216	0.008791	0.020515	0.006126	0.002552	0.008523	3.340214
LOC112442642	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442643	1	0	0	0.430817	0.382971	0	0	0	0	0	0	0.162757	0	0
LOC112442644	1	0.007289	0.003293	0.015919	0.038418	0	0.045775	0.003098	0.018838	0.082899	0.070277	0.012984	0.044178	3.40251
LOC112442645	1	0	0.003095	0	0	0.007437	0	0	0.014166	0.042503	0.004556	0.002106	0.012245	5.813237
LOC112442646	1	0	0	0	0.004877	0	0	0.008651	0	0	0	0.000975	0.00173	1.773905
LOC112442647	1	0.003296	0.005584	0	0	0.004473	0.034502	0.007005	0.093711	0	0	0.002671	0.027043	10.12653
LOC112442648	1	0	0.014311	0	0	0	0	0	0	0	0.031599	0.002862	0.00632	2.207994
LOC112442649	2.09E-12	2.079585	2.365072	2.05276	1.949267	2.064431	0	0.006242	0	0.015185	0.039062	2.102223	0.012098	0.005755
LOC112442650	1	0.028108	0.04585	0.023873	0.018706	0.055088	0.277853	0.162594	0.121073	0.040363	0	0.034325	0.120377	3.50696
LOC112442651	1	0.077327	0.130989	0.12666	0.219996	0.367222	0.252925	0.102698	0.049962	0.049969	0.128544	0.184439	0.11682	0.633378
LOC112442652	1	0	0	0.023278	0	0	0	0	0	0	0	0.004656	0	0
LOC112442655	1	0.00131	0	0	0	0.00711	0	0	0	0	0	0.001684	0	0
LOC112442656	1	0.186117	0.149676	0.200157	0.241527	0.348185	0	0.026965	0.03644	0.043734	0.014063	0.225132	0.024241	0.107672
LOC112442657	0.012726	1.030861	1.285163	2.106111	1.352152	0.85226	0.067677	0.02748	0.066844	0.315166	0.144338	1.325309	0.124301	0.09379
LOC112442658	1	0	0.033612	0	0	0	0	0	0	0	0	0.006722	0	0
LOC112442659	1	0	0.006977	0	0	0	0	0	0	0	0	0.001395	0	0
LOC112442660	1	0	0.015887	0.030724	0	0.038176	0	0.014947	0	0.290907	0.035079	0.016957	0.068187	4.021035
LOC112442661	1	0.007903	0.035698	0	0	0.107227	0	0.016793	0.030636	0	0	0.030166	0.009486	0.314458
LOC112442662	1	0	0.003408	0.00659	0	0	0	0	0	0	0	0.002	0	0
LOC112442663	1	0.004479	0	0	0.006706	0	0	0	0	0	0	0.002237	0	0
LOC112442664	1	0.010038	0.022672	0	0	0.02724	0	0	0	0	0	0.01199	0	0
LOC112442665	1	0.004146	0.000986	0.00143	0.00183	0.001777	0	0.003246	0.003948	0.015794	0.005079	0.002034	0.005613	2.760217
LOC112442666	1	0	0	0	0.003589	0	0	0	0	0.007745	0.004981	0.000718	0.002545	3.545517
LOC112442667	1	0	0.016991	0.123223	0.009012	0.010207	0	0.023979	0.029164	0.369461	0.006253	0.031887	0.085771	2.689883
LOC112442668	1	0	0	0	0	0	0	0	0	0	0.012516	0	0.002503	#DIV/0!
LOC112442669	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442670	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442671	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442672	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112442673	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442674	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442675	1	0.049122	0	0	0.019614	0	0	0	0	0	0	0.013747	0	0
LOC112442676	1	0	0	0	0	0.211474	0	0	0	0	0	0.042295	0	0
LOC112442677	1	0.056963	0.067806	0.04371	0.03504	0.225602	0.273936	0.150487	0.783835	0.49345	0.204739	0.085824	0.381289	4.442682
LOC112442678	1	0.006084	0.013741	0	0.007288	0	0	0	0	0	0	0.005423	0	0
LOC112442679	1	0.170876	0.017543	0	0.037217	0.042155	0	0	0	0	0.077469	0.053558	0.015494	0.28929
LOC112442680	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442681	1	0.393484	0.624511	0.627096	1.031879	3.030203	0.779168	0.316375	0.824543	1.099551	2.209802	1.141435	1.045888	0.916293
LOC112442682	1	0	0.014739	0	0	0	0.068302	0	0	0	0	0.002948	0.01366	4.63411
LOC112442683	1	0.03528	0	0	0	0	0	0	0	0	0	0.007056	0	0
LOC112442684	1	0.013622	0.008488	0	0.003939	0.002549	0.004917	0.002994	0.001214	0.026712	0.008589	0.00572	0.008885	1.553471
LOC112442686	1	0.024581	0.008833	0.014641	0.006692	0	0.005847	0.007123	0.017326	0.017328	0.03529	0.010949	0.016583	1.514501
LOC112442687	1	0.13132	0.137075	0.031422	0.018175	0.015617	0.008214	0.005559	0.008789	0.027047	0.016959	0.066722	0.013314	0.199539
LOC112442688	1	0	0	0	0	0	0	0	0.007807	0	0	0	0.001561	#DIV/0!
LOC112442689	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442690	1	0.015056	0.008949	0	0	0.004301	0	0	0	0	0	0.005661	0	0
LOC112442691	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442692	1	0.002156	0	0	0.005166	0	0	0	0	0.100329	0.121876	0.001465	0.044441	30.34527
LOC112442693	1	0.01776	0.005014	0.019393	0.026593	0	0	0	0	0	0	0.013752	0	0
LOC112442694	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442695	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442696	1	0.004376	0.01153	0.019113	0.015725	0	0	0	0	0.022621	0.012123	0.010149	0.006949	0.684697
LOC112442697	1	0.005219	0.004287	0	0	0	0	0	0	0	0	0.001901	0	0
LOC112442698	1	0.056399	0	0.862213	0.47292	0.53567	0	0	0	0	0.187508	0.38544	0.037502	0.097295
LOC112442699	1	0	0.001626	0.003144	0.005174	0	0.007535	0.00306	0.007442	0.267959	0.06223	0.001989	0.069645	35.01616
LOC112442700	1	0.004976	0.00562	0	0	0	0	0.010575	0.006431	0	0.140631	0.002119	0.031527	14.87661
LOC112442701	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442702	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442703	1	0.033251	0.003414	0.026407	0.014484	0	0.094917	0.025693	0.046874	0.031254	0.01005	0.015511	0.041758	2.692096
LOC112442704	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442705	1	0.005295	0	0	0	0	0	0	0	0	0	0.001059	0	0
LOC112442706	1	0.011424	0.006451	0	0	0	0	0	0	0	0	0.003575	0	0
LOC112442707	1	0.661299	0.485425	0.144425	0.23765	0.089727	0	0.140523	0.042727	0	0	0.323705	0.03665	0.11322
LOC112442708	1	0.253154	0.357361	0	0	0.644041	0	0.252159	0.040891	0	0	0.250911	0.05861	0.233589
LOC112442709	1	0	0	0	0	0	0	0	0	0	0.20764	0	0.041528	#DIV/0!
LOC112442711	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442712	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442713	1	0.083517	0.029474	0.0114	0.059401	0.084989	0.054634	0.038821	0.053961	0.053969	0.008677	0.053756	0.042013	0.781538
LOC112442714	1	0.116833	0.247388	0	0	0.079261	0	0	0.075487	0	0	0.088696	0.015097	0.170214
LOC112442715	1	0.145475	0.230001	0.063543	0.278823	0	0.609057	0.927384	1.240711	0.300822	1.958813	0.143568	1.007357	7.016573
LOC112442716	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442717	1	0	0.039681	0	0	0.095351	0	0	0	0	0	0.027006	0	0
LOC112442718	1	0.011641	0.005258	0.010169	0.008366	0	0	0	0	0.012035	0.027091	0.007087	0.007825	1.104188
LOC112442719	1	0.071928	0.10688	0	0	0.041093	0.059435	0.160889	0.166327	0	0	0.04398	0.07733	1.758292
LOC112442720	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112442721	1	0.666901	0.613776	0.424331	0.463915	0.491625	0.185498	0.022317	0.003393	0.06108	0.146215	0.532109	0.083701	0.1573
LOC112442722	1	0.03112	0	0	0	0	0	0.033064	0	0	0.051732	0.006224	0.016959	2.724808
LOC112442723	0.025435	0.234544	0.735755	0.815781	0.457858	0.094293	0	0	0	0	0	0.467646	0	0
LOC112442724	1	0.089273	0.226838	0.560537	0.227247	0.090847	0	0	0	0	0	0.238949	0	0
LOC112442725	1	0	0	0	0	0	0	0	0	0	0.022332	0	0.004466	#DIV/0!
LOC112442726	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442727	1	0.117234	0.105914	0.051207	0.056174	0.063627	0	0	0	0	0	0.078831	0	0
LOC112442728	1	0	0	0.323603	0.249602	0	0	0	0	0	0.007697	0.114641	0.001539	0.013428
LOC112442729	1	0	0	0.162041	0.177758	0	0	0	0	0.047946	0.030835	0.06796	0.015756	0.231844
LOC112442730	1	0.14159	0.045685	0	0	0.10978	0	0.042982	0	0	0	0.059411	0.008596	0.144693
LOC112442732	0.011118	1.062609	0.74863	0.255489	0.490472	0.25132	0	0	0	0.050397	0	0.561704	0.010079	0.017944
LOC112442733	1	0.032842	0.054308	0.064041	0.036531	0.050927	0.030692	0.004985	0.012125	0	0.005849	0.04773	0.01073	0.224812
LOC112442734	1	0.002042	0.001538	0.001487	0.000815	0	0	0	0	0	0	0.001176	0	0
LOC112442735	1	0.003009	0	0	0	0	0	0	0	0	0	0.000602	0	0
LOC112442736	1	0.003913	0.006629	0	0.002344	0	0	0.004158	0	0	0	0.002577	0.000832	0.322656
LOC112442737	1	0.002034	0.003215	0.002665	0.001462	0	0	0	0.000526	0.008411	0.003719	0.001875	0.002531	1.34979
LOC112442738	1	0.02578	0	0	0.010294	0	0	0	0	0	0	0.007215	0	0
LOC112442739	1	0.239069	0.031556	0.006781	0.037192	0.042127	0	0.013195	0.056169	0	0	0.071345	0.013873	0.194447
LOC112442740	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442741	1	0.012815	0.016281	0.031487	0.071	0	0	0	0	0	0.002663	0.026317	0.000533	0.020237
LOC112442742	1	0.011731	0.05299	0	0	0.031833	0	0	0	0	0	0.019311	0	0
LOC112442743	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442744	1	0.009938	0.005611	0.007235	0.00992	0	0	0	0	0.111313	0.01652	0.006541	0.025567	3.908741
LOC112442745	0.002481	0.503751	0.539715	0.761658	0.665332	0.560827	0	0	0	0	0	0.606257	0	0
LOC112442746	0.814911	0	0.02811	0.054363	0	0	0	0	0.192995	0	133.694	0.016495	26.77739	1623.399
LOC112442747	1	0.201404	0.227446	0	0	0.068318	0	0	0	0	0	0.099434	0	0
LOC112442748	1	0.050418	0.028469	0	0.030198	0	0	0	0	0.130323	0	0.021817	0.026065	1.194684
LOC112442749	2.38E-05	0	0	0.01593	0.002184	0	0.391276	0.619997	0.857747	0.235679	0.187945	0.003623	0.458529	126.5619
LOC112442750	1	0.225732	0.25492	0	0.036054	0	0	0	0	0	0	0.103341	0	0
LOC112442751	1	0.101381	0	0	0	0	0	0	0	0	0	0.020276	0	0
LOC112442753	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442754	1	0.028783	0	0.062861	0.103437	0	0	0	0	0	0.287081	0.039016	0.057416	1.471603
LOC112442755	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442756	1	0.00481	0.002376	0	0	0.000816	0	0	0	0	0	0.0016	0	0
LOC112442757	1	0.068061	0.099468	0	0	0.021729	0.104761	0.017015	0.041388	0	0	0.037852	0.032633	0.862122
LOC112442758	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442759	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442760	1	0	0	0.394391	0	0	0	0	0	0	0	0.078878	0	0
LOC112442761	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442762	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442763	1	0	0.424187	0	0	0	0	0	0	0	0	0.084837	0	0
LOC112442764	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442765	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442766	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442767	1	0	0	0	0.436845	0	0	0	0	0	0	0.087369	0	0
LOC112442768	1	0	0	0.394391	0	0	0	0	0	0	0	0.078878	0	0

LOC112442769	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442770	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442771	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442772	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442773	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442774	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442775	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442776	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442777	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442778	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442779	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442780	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442781	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442782	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442783	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442784	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442785	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442786	1	0.302917	0	0	0	0	0	0	0	0	0	0.060583	0	0
LOC112442787	1	12.84281	18.71414	7.539836	8.27114	0	0	0	0	10.7085	2.984273	9.473585	2.738554	0.289073
LOC112442788	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442789	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442790	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442791	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442792	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442793	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442794	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442795	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442796	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442797	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442798	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442799	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442800	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442801	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442802	1	0	0.015112	0	0	0	0	0	0	0	0	0.003022	0	0
LOC112442803	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442804	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442805	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442806	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442807	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442808	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442809	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442810	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442811	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442812	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442813	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442814	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112442815	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442816	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442817	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442818	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442819	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442820	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442821	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442822	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442823	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442824	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442825	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442826	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442827	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442828	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442829	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442830	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442831	1	0.564839	0	0	0.676617	0	0	0	0	0	0	0.248291	0	0
LOC112442832	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442833	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442834	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442835	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442836	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442837	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442838	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442839	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442840	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442841	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442842	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442843	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442844	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442845	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442846	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442847	1	0	0	0	0	0	0.514589	0	0	0	0	0	0.102918	#DIV/0!
LOC112442848	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442849	1	0.393317	0	0	0	0	0	0.417889	0	0	0	0.078663	0.083578	1.062475
LOC112442850	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442851	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442852	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442853	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442854	1	0	0	0	0	0	0	0	0	0	0.326912	0	0.065382	#DIV/0!
LOC112442855	1	0	0	0	0	0	0	0	0	0.505679	0	0	0.101136	#DIV/0!
LOC112442856	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442857	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442858	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442859	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442860	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112442861	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442862	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442863	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442864	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442866	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442867	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442868	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442869	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442870	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442871	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442872	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442873	1	0	0	0.383334	0	0	0	0	0	0	0	0.076667	0	0
LOC112442874	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442875	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442876	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442877	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442878	1	0	0	0	0	0	0	0	0	0	0.583553	0	0.116711	#DIV/0!
LOC112442949	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442950	1	1.746145	2.219215	0.098097	0.390091	3.976652	4.025486	7.110739	0.203149	0.754663	0.242667	1.68604	2.467341	1.463394
LOC112442951	1	0.037504	0.019548	0	0	0.031315	0	0.018391	0.029824	0	0	0.017673	0.009643	0.54562
LOC112442952	1	0.098616	0.086619	0	0.026251	0.193275	0	0	0.056637	0	0	0.080952	0.011327	0.139927
LOC112442953	1	0.003839	0.001927	0	0.003065	0	0.004464	0	0	0.079376	0.04963	0.001766	0.026694	15.11438
LOC112442954	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442955	1	0.002999	0.001693	0	0	0	0	0	0	0	0	0.000938	0	0
LOC112442956	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442957	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442958	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442959	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442960	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442961	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442962	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442963	1	0.100457	0.15747	0.199746	0.057474	0.024412	0.031386	0.060535	0.0775	0.155022	0.079758	0.107912	0.08084	0.749131
LOC112442964	1	0.012159	0.001716	0	0.009103	0	0	0	0.003928	0	0.005053	0.004596	0.001796	0.390846
LOC112442965	1	0.018296	0	0	0.010958	0.049649	0	0	0	0	0	0.015781	0	0
LOC112442966	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442967	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442968	1	0	0	0.00391	0	0	0	0	0	0	0	0.000782	0	0
LOC112442969	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442970	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442971	1	0	0	0	0	0	0.213203	0.043285	0	0	0.135445	0	0.078387	#DIV/0!
LOC112442972	1	0.036187	0.224762	0.197576	0.130043	0.02455	0	0	0	0	0	0.122623	0	0
LOC112442973	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442974	1	0	0.001149	0	0	0	0	0.006487	0.00263	0	0	0.00023	0.001823	7.93345
LOC112442975	1	0.001027	0.001739	0.002242	0.000615	0	0	0	0	0.002653	0.00256	0.001124	0.001043	0.927231
LOC112442976	1	0.138828	0.262187	0.328216	0.134817	0.104242	0.102279	0.073035	0.141079	0.073163	0.071698	0.193658	0.092251	0.476359

LOC112442977	1	0.003516	0.007941	0	0	0	0	0	0	0	0	0.002291	0	0
LOC112442978	1	0.044347	0.037561	0	0	0	0	0	0	0	0	0.016382	0	0
LOC112442979	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112442980	1	0.047955	0.024616	0.076168	0.020889	0.118303	0	0.037055	0.067602	0.022537	0.065223	0.057586	0.038483	0.668273
LOC112442981	1	0.02271	0.025646	0.011903	0.010881	0.00986	0	0	0	0	0.00151	0.0162	0.000302	0.018642
LOC112442982	1	0.102753	0.103146	0	0	0	3.405672	2.886992	2.212984	0	0	0.04118	1.70113	41.30994
LOC112442983	0.65367	0.016052	0	0	0	0	0.252017	0.170549	0.041486	1.493698	1.147405	0.00321	0.621031	193.443
LOC112442985	1	0.007668	0.019794	0	0.006561	0	0.005733	0	0	0.045306	0.025495	0.006805	0.015307	2.249414
LOC112442986	1	0.001913	0.008644	0.010447	0.00573	0	0	0	0	0.014838	0	0.005347	0.002968	0.555005
LOC112442987	1	0.009299	0.007001	0	0	0	0	0	0	0	0	0.00326	0	0
LOC112442988	1	0	0.007338	0	0	0	0.034003	0.013807	0	0	0	0.001468	0.009562	6.515752
LOC112442989	1	0.039718	0.067281	0.033166	0.046179	0.00317	0	0.004965	0	0	0.013593	0.037903	0.003712	0.097924
LOC112442990	1	0.037732	0.063916	0	0.022599	0	0	0	0	0	0	0.024849	0	0
LOC112442991	1	0.011763	0.018029	0.043674	0.031806	0.014137	0.027263	0.032495	0.038653	0.035618	0.015644	0.023882	0.029935	1.253458
LOC112442992	1	0.002398	0.005417	0.031426	0.005746	0.006508	0	0	0	0	0.007973	0.010299	0.001595	0.154839
LOC112442993	1	0	0.001986	0.00096	0.001053	0	0.0023	0	0.001136	0	0.001461	0.0008	0.00098	1.224851
LOC112442994	1	0.010251	0.002672	0	0	0.00214	0.004127	0	0	0	0	0.003013	0.000825	0.273973
LOC112442995	1	0.003912	0.003534	0.001709	0.001875	0	0.006142	0.002494	0.003033	0.024269	0.015608	0.002206	0.010309	4.673338
LOC112442996	1	0.004503	0.001695	0	0	0	0.007855	0.015947	0.011637	0	0	0.00124	0.007088	5.718008
LOC112442997	1	0	0	0	0.002288	0	0	0	0	0.01975	0.003175	0.000458	0.004585	10.01893
LOC112442998	1	0.007426	0.092251	0	0	0	0	0	0	0	0	0.019935	0	0
LOC112442999	1	0	0.004031	0	0	0.038749	0	0	0	0	0	0.008556	0	0
LOC112443000	0.227073	0.06135	0.10524	0.045793	0.061397	0.082188	0.008128	0.0033	0	0	0.006455	0.071194	0.003577	0.050239
LOC112443001	1	0.189069	0.149123	0	0	0.057008	0.455466	0.051017	0.170636	0	0	0.07904	0.135424	1.713358
LOC112443002	1	0.051516	0.003636	0.098446	0.077139	0	0	0.020526	0	0.083225	0.005352	0.046147	0.021821	0.472846
LOC112443004	1	0.00532	0.005124	0.031778	0.040108	0.003397	0.00655	0.039231	0.020622	0.099485	0.03225	0.017145	0.039628	2.311322
LOC112443005	0.012904	0.005706	0.003866	0	0	0	0.041804	0.038798	0.106172	0.253669	0.360421	0.001914	0.160173	83.66919
LOC112443006	1	0.036179	0.027238	0.04097	0.040128	0.079997	0	0.014237	0.006926	0.006927	0.002227	0.044902	0.006063	0.135037
LOC112443007	1	0.161209	0.194192	0	0	0.145823	0	0.35398	1.56933	0	0	0.100245	0.384662	3.837228
LOC112443008	1	0.043881	0.024777	0	0	0	0	0	0	0	0	0.013732	0	0
LOC112443009	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443010	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443011	1	0	0.007304	0	0	0	0	0	0	0	0	0.001461	0	0
LOC112443012	0.250058	1.878675	1.697279	0.564156	1.329174	5.273354	0.030724	0.349308	0.015173	0.091051	0.029278	2.148528	0.103107	0.047989
LOC112443013	4.44E-06	1.587338	0.84305	0.737957	1.995594	1.833892	0	0	0	0.040624	0.013063	1.399566	0.010737	0.007672
LOC112443014	0.261344	1.243334	1.436948	0.30965	0.718561	1.627806	0	0.123603	0.093957	0.056382	0.120868	1.06726	0.078962	0.073986
LOC112443015	8.11E-06	0.821954	0.990788	0.193544	0.08758	0.426864	0	0	0	0	0.003683	0.504146	0.000737	0.001461
LOC112443017	1	0.001068	0.000603	0.001166	0.001279	0	0	0	0	0	0.000887	0.000823	0.000177	0.215634
LOC112443018	1	0	0.005233	0	0.002775	0	0	0	0	0	0	0.001602	0	0
LOC112443019	1	0.005974	0.013492	0	0	0	0	0	0	0	0	0.003893	0	0
LOC112443020	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443021	1	0.00895	0.01516	0.039091	0	0	0	0	0	0	0	0.01264	0	0
LOC112443022	1	0.034416	0	0	0	0	0	0	0	0	0	0.006883	0	0
LOC112443023	1	0	0.025865	0	0.013718	0	0	0	0	0	0	0.007917	0	0
LOC112443024	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443025	1	0.299543	0.300878	0	0	0.118457	0	0	0	0	0	0.143776	0	0

LOC112443026	1	0.009042	0.019287	0	0	0.002726	0	0.014944	0.002596	0	0	0.006211	0.003508	0.564802
LOC112443027	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443028	1	0.091858	0.042438	0.036476	0	0.022661	0	0	0	0	0	0.038687	0	0
LOC112443029	1	0.000977	0	0.010668	0.007021	0.002651	0.015337	0.010379	0.080792	0.146456	0.055214	0.004263	0.061636	14.45709
LOC112443030	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443031	1	0.007908	0	0	0	0	0	0.016804	0	0.04088	0.026291	0.001582	0.016795	10.61926
LOC112443032	1	0.006263	0.013262	0.00342	0.004689	0	0	0.001664	0	0.004047	0.005206	0.005527	0.002183	0.395046
LOC112443033	1	0.002058	0	0	0	0	0	0	0	0	0	0.000412	0	0
LOC112443034	1	0	0.008452	0.049037	0.055287	0	0	0	0	0	0	0.022555	0	0
LOC112443035	1	0.095984	0	0.069875	0	0.173646	0	0	0	0	0	0.067901	0	0
LOC112443036	1	0	0	0.002876	0.001577	0.003573	0	0	0	0	0.008756	0.001605	0.001751	1.090855
LOC112443037	1	0.005073	0	0	0	0	0.016894	0.031358	0.042907	0.030993	0.006899	0.001015	0.02581	25.43981
LOC112443038	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443039	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443040	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443041	1	0	0	0	0	0	0	0	0	0.592014	0	0	0.118403	#DIV/0!
LOC112443042	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443043	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443044	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443045	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443046	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443047	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443048	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443049	1	0	0.35646	0	0	0	0	0	0	0	0	0.071292	0	0
LOC112443050	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443051	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443052	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443053	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443054	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443055	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443056	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443057	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443058	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443059	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443060	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443061	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443062	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443063	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443064	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443065	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443066	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443067	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443068	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443069	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443070	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443071	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112443072	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443073	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443074	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443075	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443076	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443077	1	0.185949	0.839975	0	0	0	0	0	0	0	0	0.205185	0	0
LOC112443078	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443079	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443080	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443081	1	0	0	0	0	0	2.200444	0.595648	3.984472	0.724555	0.931943	0	1.687412	#DIV/0!
LOC112443082	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443083	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443115	1	0.016812	0.00211	0	0	0	0	0	0	0	0	0.003784	0	0
LOC112443116	1	0	0.003998	0	0	0	0	0	0	0	0	0.0008	0	0
LOC112443117	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443118	1	0.059859	0.135199	0	0	0	0	0	0	0	0	0.039012	0	0
LOC112443119	1	0	0	0.023654	0	0	0	0	0	0	0	0.004731	0	0
LOC112443120	1	0.004875	0.005505	0.010647	0.00584	0	0	0	0	0	0.008104	0.005373	0.001621	0.30163
LOC112443121	1	0.001691	0	0.003694	0	0	0	0	0	0.013115	0.001406	0.001077	0.002904	2.696523
LOC112443122	0.00021	0.018949	0.010699	0.079811	0.027563	0	2.408288	0.822558	0.545687	0.601742	1.140717	0.027404	1.103798	40.27837
LOC112443123	1	0.032325	0	0	0	0	0.169168	0.137378	0	0	0.134338	0.006465	0.088177	13.63906
LOC112443124	1	0	0.001561	0	0.003312	0	0	0	0	0.007147	0	0.000975	0.001429	1.466525
LOC112443125	1	0.002459	0	0	0	0	0	0	0	0	0	0.000492	0	0
LOC112443126	1	0.135765	0.051107	0.098835	0	0.245615	0.236835	0.048082	0	0	0	0.106265	0.056983	0.536242
LOC112443127	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443128	1	0.023535	0	0.02056	0	0	0	0	0	0	0.007825	0.008819	0.001565	0.17745
LOC112443129	1	0.016669	0.005704	0.02427	0.009681	0.001371	0	0	0.002611	0	0.009236	0.011539	0.002369	0.205345
LOC112443130	1	0	0	0	0.095213	0.061627	0	0	0	0	0	0.031368	0	0
LOC112443131	1	0	0.010858	0.057748	0.05759	0.013046	0	0	0	0	0	0.027848	0	0
LOC112443132	1	0.028365	0.072496	0.026084	0.026825	0.028359	0.023439	0.009517	0.027008	0.154357	0.004963	0.036426	0.043857	1.204002
LOC112443133	1	0.019544	0.020305	0.029024	0.026221	0.025457	0.008182	0.004984	0.012122	0	0.014295	0.02411	0.007917	0.328351
LOC112443134	1	0.006499	0	0.004731	0.002595	0	0	0.004604	0.005599	0	0	0.002765	0.002041	0.737935
LOC112443135	1	0.233572	0.097694	0.283395	0.031088	0	0	0	0.17886	0.178886	0	0.12915	0.071549	0.554002
LOC112443136	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443137	1	0.012937	0.009044	0.013454	0.011807	0.010031	0	0	0	0.00637	0.003072	0.011455	0.001888	0.164854
LOC112443138	3.97E-07	0.292817	0.508134	0.415359	0.33965	0.070807	0.003034	0	0	0	0.007711	0.325353	0.002149	0.006605
LOC112443139	0.104804	0.29058	0.364395	0.590452	0.173252	0.139575	0.002301	0.005605	0.009089	0.070451	0.029962	0.311651	0.023481	0.075345
LOC112443140	4.70E-13	2.514484	1.479134	6.07281	0.543685	1.140415	0	0.002977	0.014481	0	0.018629	2.350106	0.007217	0.003071
LOC112443141	1	0	0.001887	0	0	0	0	0.003552	0	0	0	0.000377	0.00071	1.881642
LOC112443142	1	0.012091	0.018205	0.114424	0.1738	0.021873	0.084366	0	0	0.04167	0.147391	0.068079	0.054685	0.803265
LOC112443143	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443144	1	0.011741	0.018942	0.032969	0.034157	0.004552	0	0	0	0	0.002788	0.020472	0.000558	0.02724
LOC112443145	1	0.009302	0.017508	0	0.005571	0	0	0	0	0.008015	0	0.006476	0.001603	0.247508
LOC112443146	1	0.005213	0.00883	0	0.006244	0	0	0	0.006736	0	0.021663	0.004057	0.00568	1.399862
LOC112443147	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443148	1	0.036303	0.040997	0.079285	0	0.032838	0	0	0.015637	0	0	0.037885	0.003127	0.082552

LOC112443149	1	0.067267	0.12914	0.161599	0.032231	0.073016	0	0	0	0	0	0.092651	0	0
LOC112443150	1	0	0.341398	0.061896	0.022633	0	0	0	0	0	0	0.085186	0	0
LOC112443151	1	0.047887	0.020602	0.029881	0.024584	0	0.035801	0	0.005893	0.023577	0.018953	0.024591	0.016845	0.685013
LOC112443152	1	0.007543	0.01331	0.013385	0.001694	0	0	0	0.001218	0	0.000784	0.007186	0.0004	0.055719
LOC112443153	1	0.006216	0.011232	0.065164	0.0901	0.003374	0.013012	0.054157	0.139768	0.009641	0.010333	0.035217	0.045382	1.28864
LOC112443154	1	0.095953	0	0.007064	0.029704	0	0	0	0	0	0	0.026544	0	0
LOC112443155	6.09E-06	0.004368	0	0	0	0	0.291431	0.078889	0.32735	0.174988	0.183327	0.000874	0.211197	241.7745
LOC112443156	1	0.009778	0.001753	0	0	0.003369	0.000812	0.002309	0.004011	0	0	0.00298	0.001426	0.478659
LOC112443157	1	0.004055	0.003053	0	0	0	0	0	0	0	0	0.001422	0	0
LOC112443158	1	0.005962	0.006905	0.00434	0.00238	0.001244	0.0024	0.006172	0.005136	0.026078	0.023124	0.004166	0.012582	3.019887
LOC112443159	1	0.290317	0.321896	0.518761	0.746123	1.547002	0.359113	0.213114	0.327407	0.163727	0.245689	0.68482	0.26181	0.382305
LOC112443160	1	0.009854	0.022255	0.01076	0.011804	0	0	0	0	0	0	0.010934	0	0
LOC112443161	1	0.002849	0	0	0	0	0.014908	0.012106	0.022086	0	0	0.00057	0.00982	17.23656
LOC112443162	1	0	0.018668	0	0.002475	0	0	0	0	0	0	0.004229	0	0
LOC112443163	1	0.001787	0	0	0	0	0	0.003796	0	0	0	0.000357	0.000759	2.12495
LOC112443164	1	0	0	0	0.00148	0	0	0	0	0.01277	0.012319	0.000296	0.005018	16.95749
LOC112443165	1	0	0.003288	0.006358	0	0	0	0	0	0	0	0.001929	0	0
LOC112443166	1	0.002603	0.005291	0.000758	0.000208	0.000471	0	0.000369	0	0.004486	0.002019	0.001866	0.001375	0.736636
LOC112443167	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443168	1	0.030488	0.068862	0	0	0	0	0	0	0	0	0.01987	0	0
LOC112443169	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443170	0.003514	0.104526	0.185742	0.100712	0.084702	0.162681	0	0	0.007945	0	0.002555	0.127673	0.0021	0.016449
LOC112443171	1	0.007676	0	0.033528	0.016091	0	0	0	0	0	0	0.011459	0	0
LOC112443172	1	0.062729	0.056222	0.026095	0.010735	0.043232	0	0.002116	0	0.066916	0.004966	0.039803	0.0148	0.371823
LOC112443173	1	0.004444	0.002509	0.014557	0.01863	0.024117	0	0	0.011484	0	0.210522	0.012851	0.044401	3.454979
LOC112443174	1	0.001401	0.003163	0	0	0	0	0	0	0	0	0.000913	0	0
LOC112443175	1	0.171941	0.133148	0.075103	0.188313	0.146643	0.102837	0.187903	0.038089	0.101586	0.08983	0.143029	0.104049	0.727465
LOC112443176	1	0.038964	0.044003	0.053186	0	0	0	0	0	0	0	0.027231	0	0
LOC112443177	5.79E-09	0.560409	0.45437	1.412205	0.413114	0	16.54402	21.19085	30.86088	43.08524	33.13104	0.56802	28.96241	50.98839
LOC112443178	1	0.039421	0.051938	0.014349	0.086574	0.035659	0	0.027923	0.042451	0.118879	0.005461	0.045588	0.038943	0.854226
LOC112443179	1	0.002128	0.002403	0.004647	0.005097	0	0	0.009042	0	0	0.003537	0.002855	0.002516	0.881232
LOC112443180	1	0	0.009168	0.035459	0.038898	0	0	0	0	0	0	0.016705	0	0
LOC112443181	1	0.012746	0.043182	0.22269	0.152681	0.138351	0	0	0	0	0	0.11393	0	0
LOC112443182	1	0.098254	0.081706	0.15411	0.043869	0.024239	0.074792	0.022777	0.092339	0.087735	0.187089	0.080436	0.092946	1.155534
LOC112443184	1	0	0	0	0.00863	0	0	0	0	0	0	0.001726	0	0
LOC112443185	1	0	0	0	0	0.013061	0	0	0	0	0.008001	0.002612	0.0016	0.612577
LOC112443186	1	0.006869	0.007757	0.015001	0.016456	0.01398	0	0	0	0.754565	0.74218	0.012012	0.299349	24.91981
LOC112443187	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443188	0.483593	0.012936	0.021136	0.019235	0.011539	0.005228	0.00144	0	0	0	0.000915	0.014015	0.000471	0.033613
LOC112443189	1	0.000746	0.005056	0.003259	0.000894	0.00405	0	0.007928	0.003857	0.003858	0.00124	0.002801	0.003377	1.205478
LOC112443190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443191	1	0.005017	0.006101	0.005899	0.003236	0.005236	0.002019	0.00082	0.002992	0.009975	0.001283	0.005098	0.003418	0.670452
LOC112443192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443193	1	0.194845	0.916831	1.489367	1.15405	1.086865	0.169948	0.046004	0.083928	0.671518	4.912441	0.968392	1.176768	1.215177
LOC112443194	1	0	0	0.34547	0.068905	0	0	0	0	0	0	0.082875	0	0
LOC112443195	1	0.005399	0.004573	0.005895	0.00485	0	0	0	0	0	0	0.004143	0	0

LOC112443196	1	0	0	0	0	0	0	0.143937	0.07371	0.147442	0.011853	0	0.075388	#DIV/0!
LOC112443197	1	0	0.00871	0	0	0	0.20182	0.049168	0.039867	0.159491	0.256428	0.001742	0.141355	81.1433
LOC112443198	1	0.035039	0.05276	0.034011	0.037309	0	0	0	0	0	0.012944	0.031824	0.002589	0.081346
LOC112443199	1	0	0	0	0	0	0	0	0	0.075557	0.008099	0	0.016731	#DIV/0!
LOC112443200	1	0.110867	0.025041	0	0	0.060171	0	0	0	0	0	0.039216	0	0
LOC112443201	1	0	0	0.031845	0.017467	0	0	0	0	0	0.024239	0.009862	0.004848	0.491545
LOC112443202	1	0	0	0	0	0	0	0	0	0	0.007395	0	0.001479	#DIV/0!
LOC112443203	1	0.022017	0	0	0	0.059748	0.115225	0.046786	0	0	0	0.016353	0.032402	1.981402
LOC112443204	1	0.010382	0	0	0.003109	0	0	0.022061	0.080494	0	0.017258	0.002698	0.023963	8.880991
LOC112443205	1	0	0	0	0	0	0	0.014028	0	0	0.010974	0	0.005	#DIV/0!
LOC112443206	1	0	0.019859	0	0	0	0	0.018684	0	0	0.029232	0.003972	0.009583	2.412817
LOC112443207	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443208	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443209	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443210	1	0.12811	0.260415	0.335744	0.276231	0	0	0	0	0	0	0.2001	0	0
LOC112443211	1	0.016107	0.081854	0.316596	0.048236	0.065564	0	0	0	0	0	0.105671	0	0
LOC112443212	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443213	0.831224	0.038482	0.043458	0.021011	0.019207	0.160993	0	0	0	0	0	0.05663	0	0
LOC112443214	1	1.638977	1.911124	1.33004	0.968213	1.157606	2.27651	4.335539	4.816095	9.024238	4.725934	1.401192	5.035663	3.593843
LOC112443215	1	0.328529	0.272073	0.215248	0.393542	0.564628	0.05731	0	0	0.056612	0.182041	0.354804	0.059193	0.166832
LOC112443216	1	0	0.003525	0.03409	0	0	0	0	0	0	0.020758	0.007523	0.004152	0.551853
LOC112443217	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443218	1	0.040087	0	0	0	0.163175	0	0	0	0	0	0.040653	0	0
LOC112443219	1	0.002844	0.006424	0.007765	0.003407	0.003859	0.003721	0	0.003676	0.022057	0.024824	0.00486	0.010856	2.233596
LOC112443220	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443221	1	0.100905	0.028488	0	0	0.034228	0	0	0	0	0	0.032724	0	0
LOC112443222	1	0	0.079834	0	0	0	0	0	0	0	0	0.015967	0	0
LOC112443223	1	0	0.019363	0.299574	0.256743	0	0	0	0	0	0.00475	0.115136	0.00095	0.008252
LOC112443224	1	0	0	0	0.007284	0	0	0	0	0	0	0.001457	0	0
LOC112443225	1	0	0.002027	0	0	0	0	0	0	0	0	0.000405	0	0
LOC112443226	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443227	1	0.002215	0.001251	0.001209	0.000663	0	0	0	0	0	0.000921	0.001068	0.000184	0.172433
LOC112443228	1	0	0.001909	0.003691	0	0	0	0	0	0	0	0.00112	0	0
LOC112443229	1	0.003505	0.004618	0.005103	0.0014	0	0	0.024826	0.037743	0.00302	0.000971	0.002925	0.013312	4.550988
LOC112443230	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443231	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443232	1	0.005989	0	0.001635	0.004484	0	0.003918	0	0	0.00387	0.008711	0.002421	0.0033	1.362686
LOC112443233	1	0.286877	0.259177	0.167074	0.297828	0.882288	0	0	0	0	0.190754	0.378649	0.038151	0.100755
LOC112443234	1	0	0.003894	0	0	0	0	0	0	0	0	0.000779	0	0
LOC112443235	1	0	0.049816	0.09634	0	0	0	0	0	0	0	0.029231	0	0
LOC112443236	1	0.003677	0.008304	0	0	0.049888	0	0	0	0	0	0.012374	0	0
LOC112443237	1	2.083544	2.05276	3.401932	1.754843	0.961818	0.42038	0.776031	1.05299	0.569382	0.669031	2.050979	0.697563	0.340112
LOC112443238	1	0.390687	0.299389	0.396149	0.200572	0.113592	0	0	0	0	0	0.280078	0	0
LOC112443240	1	1.226243	1.16615	1.268558	2.31933	8.231482	0	0.068571	0	0	0.536428	2.842353	0.121	0.04257
LOC112443241	1	0.060272	0.034033	0	0.04332	0.147204	0	0	0	0	0.020039	0.056966	0.004008	0.070353
LOC112443242	1	0.000927	0.01151	0.012142	0.00444	0.010058	0.004849	0.001969	0.002395	0.02395	0.018483	0.007815	0.010329	1.321692

LOC112443243	1	0.024908	0.035161	0	0	0.10139	0	0	0	0	0	0.032292	0	0
LOC112443244	1	0.001793	0.001519	0.022515	0.018255	0	0	0.014287	0.041702	0.044026	0.024588	0.008816	0.024921	2.826656
LOC112443245	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443246	1	0	0.078553	0	0	0	0	0	0	0	0	0.015711	0	0
LOC112443247	1	0.007753	0.007725	0.002988	0.002731	0	0.014319	0.017443	0.017679	0.00943	0.006065	0.004239	0.012987	3.063469
LOC112443248	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443249	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443250	1	0.63129	0.35646	0	0.378109	0	0	0	0	0	0	0.273172	0	0
LOC112443251	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443252	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443253	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443255	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443256	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443257	1	0.834706	0	0	0	0	0	0	0	0	0	0.166941	0	0
LOC112443258	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443259	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443260	1	0.40389	0	0	0	0	0	0	0	0	0	0.080778	0	0
LOC112443261	1	0	0.91223	0.88208	0.483817	0	0	0	0	0	0	0.455625	0	0
LOC112443262	1	0	0.456115	0	0	0	0	0	0	0	0	0.091223	0	0
LOC112443263	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443264	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443265	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443266	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443267	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443268	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443269	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443270	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443271	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443272	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443273	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443275	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443276	1	0	0	0.88208	0	0	0	0	0	0	0	0.176416	0	0
LOC112443277	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443278	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443279	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443280	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443281	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443282	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443283	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443284	1	0	0.471319	1.822965	0	0	0	0	0	0	0	0.458857	0	0
LOC112443285	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443286	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443288	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112443289	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443290	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443291	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443292	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443293	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443294	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443295	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443296	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443297	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443298	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443299	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443300	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443301	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443302	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443303	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443304	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443305	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443306	1	0.020276	0.021753	0	0	0.030263	0.005306	0.006463	0.00524	0	0	0.014458	0.003402	0.235279
LOC112443307	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443308	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443309	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443310	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443311	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443312	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443313	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443314	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443315	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443316	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443317	1	0.149055	0.224438	0.132623	0.21823	0.089886	0	0.023462	0	0.114157	0.156009	0.162846	0.058725	0.360619
LOC112443318	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443319	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443320	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443321	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443322	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443324	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443325	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443326	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443327	1	0.229035	0.775952	0	1.646159	0	0	0	0	0	0.380733	0.530229	0.076147	0.143611
LOC112443328	1	7.45273	12.79295	0	0	1.213456	0	0	0	0	0	4.291826	0	0
LOC112443329	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443330	1	0	0.311902	0	0.330846	0	0	0	0	0	0	0.12855	0	0
LOC112443331	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443332	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443333	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443334	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112443335	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443336	1	0	0.633115	0	0.671567	0	0	0	0	0	0	0.260936	0	0
LOC112443337	1	0.916141	0.258651	2.000815	1.920518	0.621526	0	0	0	0	0	1.14353	0	0
LOC112443338	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443339	1	0	0	1.250509	0.54872	1.243052	0	0	0.295964	0	0	0.608456	0.059193	0.097284
LOC112443340	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443341	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443342	1	0	0	0	0	0	0	0	0.305271	0	0	0	0.061054	#DIV/0!
LOC112443343	1	0	0.257083	0	0	0	0	0	0	0	0	0.051417	0	0
LOC112443344	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443345	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443346	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443347	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443348	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443349	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443350	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443351	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443352	1	0	0.362553	0	0	0	0	0	0	0	0	0.072511	0	0
LOC112443353	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443354	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443355	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443356	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443357	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443358	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443359	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443360	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443361	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443362	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443363	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443364	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443365	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443366	1	0	0	0	0	0	0	0	0	1.814773	0.291777	0	0.42131	#DIV/0!
LOC112443367	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443368	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443369	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443370	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443371	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443372	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443373	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443374	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443375	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443376	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443377	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443378	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443405	1	0.039763	0.042864	0.003947	0.005413	0.036786	0.056753	0.024964	0.018685	0	0.024036	0.025754	0.024888	0.966341
LOC112443406	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112443407	1	0.009186	0.005187	0.020062	0	0	0	0	0	0	0	0.006887	0	0
LOC112443408	1	0.002015	0.02503	0	0	0	0	0	0	0	0	0.005409	0	0
LOC112443409	1	0	0	0	0.147042	0	0	0	0	0	0.051013	0.029408	0.010203	0.346928
LOC112443410	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443411	1	0	0.00297	0	0	0	0	0	0	0	0	0.000594	0	0
LOC112443412	1	0	0	0.005898	0	0	0	0	0.00698	0	0.237944	0.00118	0.048985	41.52461
LOC112443413	1	0.003232	0	0.014117	0.011615	0	0	0	0	0	0	0.005793	0	0
LOC112443414	1	0.002475	0	0	0	0	0	0	0	0	0	0.000495	0	0
LOC112443415	0.122667	0.092411	0.365974	1.27728	0.373038	0.034352	0	0.01345	0.016358	0.026177	0.025252	0.428611	0.016247	0.037907
LOC112443416	1	0.134316	0.145089	0.165801	0.104932	0.174321	0.977975	0.161321	0	0.03019	0.048539	0.144892	0.243605	1.681288
LOC112443417	1	0	0.005745	0.111096	0.243743	0.027608	0	0	0	0.157785	0.076105	0.077639	0.046778	0.602511
LOC112443418	1	0	0.107118	0.103578	0.170436	0	0	0	0	0.245178	0	0.076226	0.049036	0.64329
LOC112443419	1	0	0.014759	0	0	0	0	0	0	0	0	0.002952	0	0
LOC112443420	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443421	1	0.002115	0.003582	0	0	0	0	0	0	0	0	0.001139	0	0
LOC112443422	1	1.495934	1.632581	0	0	3.991245	0	0.10685	0	0	0	1.423952	0.02137	0.015008
LOC112443423	1	0.030488	0.045908	0.066586	0.048696	0.009193	0	0	0	0	0.005631	0.040174	0.001126	0.028035
LOC112443424	1	0.194886	0.162169	0.246414	0.17509	0.069586	0	0.013622	0.049705	0	0.044758	0.169629	0.021617	0.127437
LOC112443425	1	0.015822	0	0	0	0.042936	0	0	0	0	0	0.011752	0	0
LOC112443426	1	0	0.010071	0	0	0	0	0	0	0	0	0.002014	0	0
LOC112443427	1	0.005124	0.007715	0	0	0	0	0	0	0	0	0.002568	0	0
LOC112443428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443429	1	0.008058	0.104648	0	0	0	0	0	0	0	0	0.022541	0	0
LOC112443430	1	0.008224	0.009287	0.023948	0.006568	0	0	0	0	0	0	0.009605	0	0
LOC112443431	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443432	1	0.276729	0.515832	0.524268	0.363443	0.217142	0.157035	0.467594	0.517005	0.206832	0.011085	0.379483	0.27191	0.716528
LOC112443433	1	0.003071	0.002081	0	0	0.001667	0	0.00522	0.001587	0	0	0.001364	0.001361	0.998437
LOC112443434	1	0.01855	0.008978	0	0	0	0	0.005631	0.006849	0	0	0.005506	0.002496	0.453353
LOC112443435	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443436	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443437	0.002659	0.314056	0.404594	0.293	0.124185	0.115839	0.015957	0.00324	0.01576	0.007881	0.007603	0.250335	0.010088	0.040299
LOC112443438	0.47446	4.53124	4.952548	2.892692	3.716054	8.091478	1.260296	1.144665	0.188354	0.212953	0.147488	4.836802	0.590751	0.122137
LOC112443441	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443442	1	0.041597	0	0	0	0	0	0	0	0	0	0.008319	0	0
LOC112443444	1.85E-09	0.493245	0.398683	0.896779	1.334674	0.339722	0	0	0	0	0	0.692621	0	0
LOC112443445	1	0.001662	0.000939	0	0	0	0	0	0	0	0	0.00052	0	0
LOC112443446	1	0.001291	0	0.00282	0.001547	0	0	0	0	0	0	0.001131	0	0
LOC112443447	1	0.018007	0.020335	0.147471	0.053925	0	0	0	0	0.069816	0.067349	0.047948	0.027433	0.572145
LOC112443448	1	0.004731	0.007433	0	0	0.003349	0.005382	0.002622	0.005316	0	0	0.003103	0.002664	0.85867
LOC112443449	1	0.00768	0.006505	0	0	0	0	0	0.004962	0	0	0.002837	0.000992	0.34982
LOC112443450	1	0.003756	0.003746	0.002237	0.000935	0.000265	0.001021	0.002592	0.005926	0.061787	0.030248	0.002188	0.020315	9.284911
LOC112443451	1	0	0.020875	0	0	0	0	0	0	0	0	0.004175	0	0
LOC112443452	1	0.123302	0	0	0.007774	0.035221	0	0	0	0	0	0.033259	0	0
LOC112443453	1	0	0.024428	0	0	0.088048	0	0	0	0	0	0.022495	0	0
LOC112443454	1	0.007239	0.003366	0.004185	0.00153	0	0	0.000452	0.001101	0.014309	0.00177	0.003264	0.003526	1.080329
LOC112443455	1	0.001077	0.002433	0	0.040004	0.005847	0	0	0	0	0	0.009872	0	0

LOC112443456	1	0.013002	0.014683	0	0	0	0	0	0	0	0	0.005537	0	0
LOC112443457	1	0.034524	0.35089	0	0	0	0	0	0	0	0	0.077083	0	0
LOC112443458	1	0.037599	0.021231	0	0.02252	0	0	0	0	0.145781	0.046877	0.01627	0.038532	2.368266
LOC112443459	1	0.033772	0.025426	0.032781	0.020228	0	0	0	0	0	0.003119	0.022441	0.000624	0.027796
LOC112443460	1	0.019738	0.044581	0.043107	0.035466	0	0	0	0	0	0.016406	0.028579	0.003281	0.114811
LOC112443461	1	0.004314	0.00406	0	0	0	0	0.001528	0	0.003717	0.005977	0.001675	0.002244	1.339992
LOC112443462	1	0.029286	0.021497	0.051167	0.022803	0.027815	0	0	0	0.037849	0.024341	0.030513	0.012438	0.407625
LOC112443463	1	0.447164	0.045908	0	0	0	21.69962	34.2936	25.10955	0	0	0.098614	16.22055	164.4848
LOC112443464	1	0	0.00151	0	0	0.007255	0	0.014202	0.003455	0	0	0.001753	0.003531	2.014626
LOC112443465	1	0.097795	0.191646	0.188453	0.084415	0.007805	0.060211	0.287265	0.107788	0.208173	0.157786	0.114023	0.164245	1.440454
LOC112443466	1	0	0	0.081686	0	0	0	0	0	0.07251	0.054404	0.016337	0.025383	1.553671
LOC112443467	1	0.11234	0.054371	0.026287	0.048061	0.065326	0	0	0	0	0	0.061277	0	0
LOC112443468	1	0	0	0	0	0	0	0	0	0.358267	0	0	0.071653	#DIV/0!
LOC112443469	1	0.017569	0.059521	0	0	0.017878	0.091942	0.648652	0.062432	0	0	0.018994	0.160605	8.455751
LOC112443470	1	0.00172	0.00259	0.005008	0.001373	0	0	0.002436	0.004445	0.008891	0	0.002138	0.003154	1.475273
LOC112443471	1	0.003338	0.01131	0.00486	0.005332	0	0	0	0	0	0	0.004968	0	0
LOC112443472	1	0	0.015414	0	0	0	0	0	0	0	0	0.003083	0	0
LOC112443473	1	0	0.029952	0.028963	0.003177	0.043185	0.069402	0.050724	0.020564	0	0.017636	0.021055	0.031665	1.503897
LOC112443474	1	0.012935	0.023265	0.013602	0.008609	0.0039	0.012536	0.003054	0.003715	0.01486	0.023096	0.012462	0.011452	0.918955
LOC112443475	1	0.359575	0.239477	0.181223	0.220889	0.300236	0.048251	0.078367	0.285939	0.095327	0.183918	0.26028	0.13836	0.531582
LOC112443476	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443477	1	0.004369	0.009867	0	0.031399	0	0.137176	0.018566	0.090324	0.135506	0.072622	0.009127	0.090839	9.952789
LOC112443478	1	0	0	0.86793	1.934939	0.034788	0	0	0	0	0.021311	0.567531	0.004262	0.00751
LOC112443479	1	0.079372	0.058512	0.012038	0.013205	0.094233	0.017308	0.008199	0	0.011398	0.001833	0.051472	0.007747	0.150516
LOC112443480	1	0.017366	0.002942	0.04172	0.038486	0.004713	0	0	0	0.004489	0.007217	0.021045	0.002341	0.111246
LOC112443481	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443482	1	0.122987	0.129086	0.224359	0.175058	0.027485	0.015144	0.024597	0.097226	0.14212	0.019242	0.135795	0.059666	0.439381
LOC112443483	1	0	0.011294	0.021841	0.011979	0	0	0.010625	0.038768	0	0	0.009023	0.009879	1.094871
LOC112443484	1	0.313269	0.355346	0.139564	0.116906	0.316671	0.034534	0.032472	0.082578	0.175953	0.121818	0.248351	0.089471	0.360261
LOC112443485	1	0.816172	1.319604	2.513016	1.19139	0.617246	0.093362	0.094772	0.391901	1.106706	0.748808	1.291486	0.48711	0.37717
LOC112443486	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443487	1	0	0.08567	0.047336	0.025964	0	0	0	0	0	0	0.031794	0	0
LOC112443488	1	0.018753	0	0	0	0.050889	0	0	0	0	0	0.013928	0	0
LOC112443489	1	0.039106	0.044163	0	0.023423	0	0.051164	0	0	0	0.032504	0.021338	0.016734	0.784201
LOC112443490	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443491	1	0.008817	0	0	0	0	0	0.037473	0.011394	0	0	0.001763	0.009773	5.542121
LOC112443492	1	0.012651	0.046433	0	0.007577	0	0	0	0	0.032701	0.010515	0.013332	0.008643	0.648294
LOC112443493	1	0.015938	0	0.034807	0.007637	0	0	0	0	0	0	0.011676	0	0
LOC112443494	1	0.004421	0.012981	0	0.001059	0	0	0	0	0	0	0.003692	0	0
LOC112443495	1	0.003106	0.009355	0.006784	0.004961	0.00562	0	0.004401	0.032113	0.005353	0.012049	0.005965	0.010783	1.807629
LOC112443496	1	0	0.052434	0	0	0	0	0	0	0	0	0.010487	0	0
LOC112443497	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443498	0.694857	0.011747	0.011055	0.136822	0.11726	0.031876	0	0	0	0	0	0.061752	0	0
LOC112443499	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443500	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443501	1	0.118866	0	0.389399	0.035597	0.080641	0	0	0.076801	0	0	0.124901	0.01536	0.122979

LOC112443502	1	0.016268	0.026723	0.029069	0.063777	0.008027	0.100616	0.078566	0.107022	0.244656	0.054086	0.028773	0.116989	4.065966
LOC112443503	1	0.053742	0.052021	0	0	0.026042	0	0.008157	0	0	0	0.026361	0.001631	0.061887
LOC112443504	1	0.003461	0.004258	0.00295	0.002393	0.00084	0.001914	0.002392	0.004145	0.01571	0.026334	0.00278	0.010099	3.632285
LOC112443505	1	0.012794	0	0	0	0	0.013391	0.059808	0.052903	0.026455	0.097829	0.002559	0.050077	19.57125
LOC112443506	1	0	0	0.064189	0	0	0	0	0	0	0.024429	0.012838	0.004886	0.380578
LOC112443507	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443509	0.369712	0.166824	0.158649	0.297223	0.262944	0.1787	0	0	0	0.022695	0.021893	0.212868	0.008918	0.041893
LOC112443510	0.601408	0.116875	0.060917	0.471231	0.376933	0.536732	0	0	0	0	0	0.312537	0	0
LOC112443511	1	0.038538	0	0	0	0	0.067227	0	0	0	0	0.007708	0.013445	1.744443
LOC112443512	1	0.17202	0.201201	0.49644	0.22078	0.10003	0.932387	1.187984	0.793885	1.14336	0.510633	0.238094	0.91365	3.837346
LOC112443513	1	0	0.017442	0	0.074005	0.083824	0	0	0	0	0.102698	0.035054	0.02054	0.585936
LOC112443514	1	0	0	0	0	0	0	0	0	0	0.008788	0	0.001758	#DIV/0!
LOC112443515	1	0.026973	0	0	0	0	0	0	0	0	0	0.005395	0	0
LOC112443516	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443517	1	0	0.010296	0	0	0	0	0	0	0	0	0.002059	0	0
LOC112443518	1	0.002404	0.00543	0.00525	0	0	0	0	0	0	0	0.002617	0	0
LOC112443519	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443520	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443521	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443522	1	0	0.00525	0.020305	0.005569	0	0	0	0	0	0	0.006225	0	0
LOC112443523	1	0	0	0	0	0	0	0.036174	0.175982	0	0	0	0.042431	#DIV/0!
LOC112443524	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443525	0.041864	0.167522	0.129199	0.182931	0.14194	0.066527	0	0	0.01056	0	0.010188	0.137624	0.00415	0.030152
LOC112443526	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443527	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443528	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443529	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443530	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443531	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443532	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443533	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443534	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443535	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443536	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443537	1	0	0	0.383334	0	0	0	0	0	0	0	0.076667	0	0
LOC112443538	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443539	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443540	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443541	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443542	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443543	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443544	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443545	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443546	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443547	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443548	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112443549	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443550	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443551	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443552	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443553	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443554	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443555	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443556	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443557	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443558	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443559	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443560	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443561	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443562	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443563	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443564	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443565	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443566	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443567	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443593	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443594	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443595	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443597	1	0.192869	0.297244	0	0	0.166251	2.018691	1.378979	1.342905	0	0	0.131273	0.948115	7.222487
LOC112443598	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443599	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443600	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443601	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443602	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443603	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443604	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443605	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443606	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443607	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443608	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443609	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443610	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443611	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443612	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443613	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443614	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443615	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443616	1	0	0	0.766667	0	0	0	0	0	0	0	0.153333	0	0
LOC112443617	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443618	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443619	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443620	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112443621	1	2.917418	0	0	0	0	0	0	0	0	0	0.583484	0	0
LOC112443622	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443623	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443625	1	0	0	0	0	0.310763	0	0	0	0	0.190366	0.062153	0.038073	0.612577
LOC112443626	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443627	1	0	0	0	0.41662	0	0	0	0	0	0	0.083324	0	0
LOC112443628	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443629	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443630	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443631	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443632	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443633	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443634	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443635	1	0	0.530234	0	0	0	0	0	0	0	0	0.106047	0	0
LOC112443636	1	0	0	0	0	0	1.198616	0	0	0	0	0	0.239723	#DIV/0!
LOC112443637	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443638	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443639	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443640	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443641	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443642	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443643	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443644	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443645	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443646	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443647	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443648	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443649	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443650	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443651	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443653	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443654	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443655	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443656	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443657	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443658	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443659	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443660	1	0.423629	0.318938	0	0	0	2.216989	0	0	2.920011	0.704213	0.148513	1.168242	7.866247
LOC112443661	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443662	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443663	1	0	0	0.677962	0.743719	0	0	0	0	0	0	0.284336	0	0
LOC112443664	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443665	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443666	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112443667	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443668	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443669	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443670	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443671	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443672	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443673	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443674	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443675	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443676	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443677	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443678	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443679	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443680	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443681	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443682	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443683	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443684	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443685	1	0	0	0	0	0	0	0	0	0	0.583553	0	0.116711	#DIV/0!
LOC112443686	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443687	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443688	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443689	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443690	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443691	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443692	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443693	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443694	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443695	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443696	1	0.045242	0.083024	2.161374	2.005197	0.030693	0.059191	0.024034	0.043847	0.146176	0.159814	0.865106	0.086612	0.100118
LOC112443697	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443698	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443699	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443700	1	0	0	0	0.210257	0	0	0	0	0	0	0.042051	0	0
LOC112443701	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443702	1	0	0.396437	0	0	0	0	0	0	0	0	0.079287	0	0
LOC112443703	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443704	1	0.039112	0.008031	0	0	0.057893	0	0	0	0	0	0.021007	0	0
LOC112443705	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443706	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443707	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443708	1	0	0.006763	0	0	0	0	0	0	0	0	0.001353	0	0
LOC112443709	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443710	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443711	1	0	0	0	0.007131	0	0	0	0	0.061547	0	0.001426	0.012309	8.631213
LOC112443712	1	0.010409	0	0.01705	0.006235	0	0	0	0.006726	0	0.004326	0.006739	0.00221	0.327995

LOC112443713	0.541504	1.892773	0.405392	1.799604	1.514819	2.025764	0	0.002889	0	0.182765	0.119799	1.52767	0.061091	0.039989
LOC112443714	1	0	0	0	0	0	0	0	0	0	0.300193	0	0.060039	#DIV/0!
LOC112443715	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443716	1	0	0.151712	0.293396	0	0.145823	0	0	0	0	0	0.118186	0	0
LOC112443717	1	0	0.016876	0	0	0.032441	0	0	0	0	0	0.009863	0	0
LOC112443719	1	0	0	0	0.420514	0	0	0	0	0	0	0.084103	0	0
LOC112443720	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443721	1	0.0762	0.16637	0.099851	0.048683	0.013786	0	0	0	0	0	0.080978	0	0
LOC112443722	1	0	0	0.120519	0	0	0	0	0	0	0.015289	0.024104	0.003058	0.126859
LOC112443723	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443724	1	0	0	0	0.024378	0	0	0	0.007514	0.030059	0.004833	0.004876	0.008481	1.739488
LOC112443725	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443726	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443727	1	0.003642	0	0	0.008725	0	0	0	0	0	0	0.002473	0	0
LOC112443728	0.754948	6.02029	8.171052	6.058158	7.060354	6.979084	0.052885	0.069789	0.306873	2.11577	1.520268	6.857787	0.813117	0.118568
LOC112443730	1	0.000615	0	0.004028	0.000736	0	0.003218	0.001306	0.007945	0.025427	0.061322	0.001076	0.019844	18.44363
LOC112443731	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443732	1	0.007117	0	0	0	0	0	0	0	0	0	0.001423	0	0
LOC112443734	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443735	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443736	1	0	0.041465	0	0	0.066426	0	0	0	0	0	0.021578	0	0
LOC112443738	1	0.000799	0.002708	0.013966	0.010533	0	0	0	0	0	0	0.005601	0	0
LOC112443742	1	0.034683	0.094827	0.00598	0.054667	0.00743	0	0.001939	0.004718	0.004718	0	0.039517	0.002275	0.057572
LOC112443743	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443745	1	0	0	0.005605	0	0	0	0	0	0.013267	0.002133	0.001121	0.00308	2.747671
LOC112443747	1	0	0.004894	0.004733	0.002596	0	0	0	0	0	0	0.002445	0	0
LOC112443749	1	0.002052	0.003089	0.002987	0.008192	0.003712	0.003579	0.001453	0	0.014141	0.002274	0.004006	0.004289	1.070672
LOC112443751	1	0.302537	0.323909	0.111552	0.094132	0.085297	0	0	0	0.040624	0	0.183485	0.008125	0.04428
LOC112443756	1	0.050049	0	0	0.014988	0	0	0	0	0	0	0.013007	0	0
LOC112443761	1	0	0.045503	0.03911	0.010726	0	0.046859	0	0.023141	0.138866	0.111633	0.019068	0.0641	3.361685
LOC112443764	1	0	0	0	0.021264	0	0	0	0	0	0	0.004253	0	0
LOC112443766	1	0.018975	0.006697	0.018131	0.004262	0	0.074478	0.012601	0.021455	0.018393	0.033515	0.009613	0.032088	3.338052
LOC112443767	1	0.011192	0.075838	2.371049	2.855761	0.060745	0.058574	0.07135	0.086779	0.289304	0.390716	1.074917	0.179344	0.166845
LOC112443768	1	0.10983	0.217893	0.149105	0.064004	0.032221	0	0.397381	0.636742	0.214836	0.16777	0.11461	0.283346	2.472251
LOC112443769	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443770	1	0	0.060598	0	0	0	0	0	0	0	0	0.01212	0	0
LOC112443772	1	0.069612	0.046243	0	0.007358	0.033336	0	0	0	0	0	0.03131	0	0
LOC112443775	1	0.002291	0.007761	0.110072	0.054885	0	0	0	0	0.307923	0.441758	0.035002	0.149936	4.283659
LOC112443776	1	0.025905	0.004501	0.017408	0.02387	0.04326	0.010428	0.016937	0	0	0	0.022989	0.005473	0.23808
LOC112443778	1	0.004042	0.036513	0	0.043572	0.016451	0.010575	0.04294	0.04178	0.125359	0.090697	0.020115	0.06227	3.095657
LOC112443780	1	0	0	0	0	0	0	0	0	0.01965	0	0	0.00393	#DIV/0!
LOC112443783	1	6.974922	5.525715	6.14733	4.852402	3.74991	0.896809	4.276733	5.210945	2.506895	0.672768	5.450056	2.71283	0.497762
LOC112443785	1	0	0	0	0.00638	0	0	0	0.027532	0.027536	0	0.001276	0.011013	8.630585
LOC112443788	1	0.277302	0.241986	0.110112	0.045297	0.957734	0	0	0	0	0.041906	0.326486	0.008381	0.025671
LOC112443796	1	0.001341	0.00606	0	0.006428	0	0	0	0	0.006935	0	0.002766	0.001387	0.501478
LOC112443797	1	0	0.024442	0.023634	0	0	0	0	0	0	0	0.009615	0	0

LOC112443799	1	0	0.017113	0	0.009076	0.015421	0	0	0.019582	0	0	0.008322	0.003916	0.470604
LOC112443800	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443801	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443802	1	0	0.019039	0.110458	0	0	0	0	0	0	0	0.025899	0	0
LOC112443807	1	0.004604	0.019062	0	0	0.016657	0	0.019565	0.007932	0	0	0.008064	0.005499	0.68191
LOC112443808	1	0.002045	0	0	0.00245	0	0	0	0	0	0.013599	0.000899	0.00272	3.025321
LOC112443810	1	0.001696	0	0	0.002031	0	0	0	0	0	0	0.000745	0	0
LOC112443811	0.094394	0.155094	0.213462	0.08468	0.11031	0.315655	0	0	0	0	0	0.17584	0	0
LOC112443813	1	0.005414	0	0	0	0	0	0	0	0.041982	0.009	0.001083	0.010196	9.416791
LOC112443815	1	0	0.0061	0	0	0	0	0	0	0	0.00449	0.00122	0.000898	0.735998
LOC112443816	1	0.269319	0.18621	0	0	0.134237	0.172584	0.046718	0.113639	0	0	0.117953	0.066588	0.56453
LOC112443817	1	0.001455	0.001643	0	0.004357	0	0	0	0	0	0.002419	0.001491	0.000484	0.324419
LOC112443819	1	0.097675	0.050632	0.006994	0.042198	0.00869	0	0.020415	0.02483	0.008278	0.002662	0.041238	0.011237	0.272489
LOC112443820	1	0	0	0	0	0	0	0.011595	0	0	0	0	0.002319	#DIV/0!
LOC112443824	1	0.004207	0.016627	0.009187	0.015118	0	0	0	0	0	0	0.009028	0	0
LOC112443826	1	0.001034	0.004673	0	0.001239	0	0	0	0	0	0	0.001389	0	0
LOC112443828	1	0	0.039755	0	0	0	0	0	0	0	0	0.007951	0	0
LOC112443830	1	0	0	0.365676	0.066857	0.151457	0	0	0	0	0	0.116798	0	0
LOC112443832	1	0.002148	0.019407	0.009383	0.020586	0	0.089934	0.150632	0.072172	0.02221	0.046421	0.010305	0.076274	7.401855
LOC112443833	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443834	1	0.001442	0	0	0.001728	0	0	0	0	0.007457	0.011989	0.000634	0.003889	6.133739
LOC112443835	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443836	1	0.001406	0.001588	0.00307	0	0	0	0	0	0	0	0.001213	0	0
LOC112443837	1	0	0.016526	0	0	0	0	0	0	0	0	0.003305	0	0
LOC112443838	1	0.001344	0.005311	0	0.000805	0	0	0	0	0	0	0.001492	0	0
LOC112443839	1	0.013033	0	0	0	0	0	0	0	0	0	0.002607	0	0
LOC112443840	1	0.032978	0	0.024007	0.026336	0	0	0	0.426147	0	0.100504	0.016664	0.10533	6.320722
LOC112443841	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443842	1	0.00927	0.047109	0	0.011104	0	0	0	0	0.023961	0.030819	0.013497	0.010956	0.811768
LOC112443843	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443844	1	0	0.030342	0	0	0	0	0	0	0	0	0.006068	0	0
LOC112443845	1	0.005255	0	0	0	0	0	0	0	0	0	0.001051	0	0
LOC112443846	1	0	0.044003	0.085097	0.023338	0.105737	0	0	0	0	0	0.051635	0	0
LOC112443847	1	0.006525	0.003684	0	0	0	0	0	0	0	0	0.002042	0	0
LOC112443848	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443849	1	0.549241	0.40607	0.051778	0.118333	0.814927	0.206788	0.780872	0.77612	0.571961	0.243035	0.38807	0.515755	1.329026
LOC112443850	1	0.128043	0.10207	0	0	0.081757	0.118251	0.232072	0.272522	0	0	0.062374	0.124569	1.997132
LOC112443851	1	0.019621	0.004029	0.222049	0.047008	0	0	0	0.00461	0.193646	0.080059	0.058541	0.055663	0.950833
LOC112443852	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443853	1	0.048239	0.072635	0	0.019262	0	0	0	0	0	0.013365	0.028027	0.002673	0.095371
LOC112443854	1	0	0	0	0	0	0	0	0	0	0.101036	0	0.020207	#DIV/0!
LOC112443855	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443856	1	0.002895	0.014713	0	0	0.031426	0	0	0	0	0	0.009807	0	0
LOC112443857	1	0	0	0	0	0	0	0	0.005965	0	0	0	0.001193	#DIV/0!
LOC112443858	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443859	1	0.018296	0.048211	0.013319	0.025569	0.140673	0	0	0.023643	0	0.045621	0.049214	0.013853	0.281481

LOC112443860	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443861	1	0.005088	0.001915	0	0	0	0	0	0	0.03507	0.016915	0.001401	0.010397	7.423174
LOC112443862	1	0.007225	0	0	0.008655	0	0	0.015352	0	0	0.006005	0.003176	0.004271	1.344977
LOC112443863	1	0.18305	0.062016	0.039977	0.186383	0.198694	0.574775	0	0.189232	0.425835	0.304289	0.134024	0.298826	2.229649
LOC112443864	1	0.216869	0	0.094727	0.173191	0	0	0.030722	0.112097	0.224227	0	0.096957	0.073409	0.75713
LOC112443865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443866	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443867	1	0.046709	0.070332	0.229524	0.163194	0.507011	0	0	0	0.040245	0	0.203354	0.008049	0.039581
LOC112443868	1	0.001019	0	0.051193	0.020754	0.005531	0	0	0	0.084298	0.008471	0.0157	0.018554	1.181807
LOC112443869	1	0	0	0.05042	0	0	0	0.049058	0.178997	0	0.038377	0.010084	0.053287	5.284258
LOC112443870	1	0	0.015451	0	0	0	0	0	0	0	0	0.00309	0	0
LOC112443871	1	0.003478	0.007855	0.007596	0.008332	0	0	0	0.017977	0	0	0.005452	0.003595	0.659435
LOC112443872	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443873	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443874	0.174566	0.015997	0	0	0	0	0.753474	0.815845	0.702852	0.413502	0.053186	0.003199	0.547772	171.2071
LOC112443875	1	0	0.042891	0.082946	0.022748	0	0	0.080705	0.049078	0.09817	0	0.029717	0.045591	1.534167
LOC112443876	1	0.021391	0	0	0	0	0	0	0	0	0.035558	0.004278	0.007112	1.662334
LOC112443877	1	0	0	0	0.011508	0	0.050274	0.03062	0.024828	0.049663	0.055893	0.002302	0.042256	18.35973
LOC112443878	1	0	0.001848	0	0	0	0	0	0	0	0	0.00037	0	0
LOC112443880	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443881	1	0	0	0	0.01144	0	0	0	0	0	0	0.002288	0	0
LOC112443882	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443883	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443884	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443885	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443886	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443887	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443888	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443889	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443890	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443891	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443892	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443893	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443894	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443895	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443896	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443897	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443898	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443899	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443900	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443901	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443902	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443903	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443904	1	0.97563	0	0	0	0	0	0	0	0	0.195126	0	0	0
LOC112443905	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443906	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112443907	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443908	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443909	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443910	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443912	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443913	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443914	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443915	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443916	1	0.351044	0	0	0	0	0	0	0	0	0	0.070209	0	0
LOC112443917	1	0	1.982183	0	0.420514	0	0	0	0	0	0	0.480539	0	0
LOC112443918	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443919	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443920	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443921	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443922	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443923	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443924	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443925	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443926	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443927	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443929	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443930	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443931	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443932	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443933	1	0	0.382151	0	0	0	0	0	0	0	0	0.07643	0	0
LOC112443934	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443935	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443936	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443937	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443938	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443939	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443940	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443941	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443942	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443943	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112443944	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444146	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444147	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444148	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444149	1	0	0	0	0.047017	0	0	0	0	0	0	0.009403	0	0
LOC112444150	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444151	1	0	0.037308	0.072149	0.039573	0	0	0	0	0	0.054917	0.029806	0.010983	0.368494
LOC112444152	1	0.193617	0.218653	0.528566	0.405883	2.758422	0	0	0	0	1.206962	0.821028	0.241392	0.294012
LOC112444153	1	0	0.10036	0	0	0	0	0	0	0	0	0.020072	0	0

LOC112444154	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444155	1	0.038617	0.01163	0	0	0.013973	0	0	0	0	0	0.012844	0	0
LOC112444156	1	0	0	0.278214	0.0436	0.148154	0	0.077342	0	0	0.090756	0.093994	0.03362	0.357679
LOC112444157	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444158	1	0.485076	0.654977	1.266659	1.023188	0.171696	0.110372	0.358526	0.027253	1.580921	0.596004	0.720319	0.534615	0.742192
LOC112444159	1	0	0.00611	0	0	0	0	0	0	0	0	0.001222	0	0
LOC112444160	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444161	1	0	0.001268	0	0	0	0	0	0	0	0	0.000254	0	0
LOC112444162	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444163	1	0.002165	0.004889	0.004728	0	0.005874	0	0.034499	0.005595	0	0	0.003531	0.008019	2.270845
LOC112444164	0.128727	1.115638	1.157115	1.051546	0.963626	0.390385	0.015364	0	0.015175	0.12142	0.11713	0.935662	0.053818	0.057519
LOC112444165	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444166	1	0.136962	0.116004	0.14956	0.082033	0.836256	0	0	0	0.088505	0	0.264163	0.017701	0.067008
LOC112444167	1	0.00354	0.002665	0	0	0	0	0	0	0	0	0.001241	0	0
LOC112444168	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444169	1	0.032104	0.072511	0	0	0	0	0	0	0	0	0.020923	0	0
LOC112444170	1	0.005029	0	0.010983	0	0.020471	0	0	0	0	0	0.007297	0	0
LOC112444171	1	0.028805	0.021686	0	0	0	0	0	0	0	0	0.010098	0	0
LOC112444172	1	0	0.03858	0.093262	0.020462	0	0	0	0	0	0	0.030461	0	0
LOC112444173	1	0.00619	0.015146	0.004506	0.003708	0	0	0	0	0	0.005145	0.00591	0.001029	0.174111
LOC112444174	1	0.002832	0.001599	0	0.006785	0	0	0	0	0	0	0.002243	0	0
LOC112444175	0.499099	0.286253	0.272757	0.019536	0.182166	0.072825	0	0	0	0	0	0.166707	0	0
LOC112444176	1	0.002947	0.001815	0.00117	0.000963	0	0	0	0	0	0	0.001379	0	0
LOC112444177	1	0.039127	0.055233	0.021363	0.035152	0.026544	0	0	0	0	0	0.035484	0	0
LOC112444179	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444180	1	0	0	0.003934	0	0	0	0.007656	0	0.009312	0.008983	0.000787	0.00519	6.596519
LOC112444181	1	0.005488	0.004476	0.000666	0.001096	0	0	0.000648	0.002364	0.007881	0.010137	0.002345	0.004206	1.793438
LOC112444182	1	0	0	0	0.010212	0	0	0	0	0	0	0.002042	0	0
LOC112444183	1	0.003817	0.004311	0	0	0.003453	0	0	0	0	0	0.002316	0	0
LOC112444184	1	0.001064	0	0	0	0	0	0	0	0	0	0.000213	0	0
LOC112444185	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444186	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444187	1	0	0.00199	0	0	0	0	0	0	0	0	0.000398	0	0
LOC112444188	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444189	1	0.041747	0.017679	0.091174	0.012502	0.028322	0	0	0	0	0	0.038285	0	0
LOC112444190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444191	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444193	1	0.016547	0	0	0.039643	0	0	0	0	0	0	0.011238	0	0
LOC112444194	1	0	0	0	0	0.015949	0	0	0	0	0	0.00319	0	0
LOC112444195	0.324896	0.068503	0.098949	0.017396	0.032442	0.008646	0	0	0	0	0	0.045187	0	0
LOC112444196	1	0.043274	0	0	0	0	0	0	0	0	0	0.008655	0	0
LOC112444197	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444198	1	0.101656	0.0574	0.055503	0.273989	1.79309	0	0	0	0	0.042246	0.456327	0.008449	0.018516
LOC112444199	1	0.186257	0	0	0	0.16848	0	0	0	0	0	0.070947	0	0
LOC112444200	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112444201	1	0	0.003301	0	0	0	0	0	0	0	0	0.00066	0	0
LOC112444202	1	0.006235	0	0	0	0	0	0	0	0	0	0.001247	0	0
LOC112444203	1	0.53259	0.437423	0.306285	0.235995	0.117797	0.008737	0.03193	0.086298	0.258931	0.008326	0.326018	0.078844	0.24184
LOC112444204	1	0.002356	0.002661	0.002573	0.002823	0	0.006166	0	0	0	0	0.002083	0.001233	0.592115
LOC112444205	1	0	0.003342	0.009694	0.017724	0	0	0	0	0	0.00246	0.006152	0.000492	0.079961
LOC112444206	0.280576	0.067883	0.095825	0.22238	0.216843	0.214913	0	0	0	0	0.009404	0.163569	0.001881	0.011498
LOC112444207	1	0.017626	0.025593	0.07974	0.015082	0.006833	0	0.016052	0.016269	0	0.033487	0.028975	0.013162	0.454244
LOC112444208	1	0	0	0	0.003604	0	0	0	0	0	0	0.000721	0	0
LOC112444209	1	0.006477	0.004267	0	0	0.001465	0	0.001147	0	0	0	0.002442	0.000229	0.093946
LOC112444210	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444211	1	0.116824	0.100518	0	0	0.105674	0	0	0	0	0	0.064603	0	0
LOC112444212	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444213	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444214	1	1.810205	0.511069	3.953418	0.542108	0	0	0	0	0	0	1.36336	0	0
LOC112444215	1	11.2948	6.970908	7.457583	2.831853	1.425598	0	1.953559	0.678855	0.678954	0.654967	5.996148	0.793267	0.132296
LOC112444216	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444217	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444218	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444219	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444220	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444221	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444222	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444223	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444224	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444225	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444226	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444227	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444228	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444229	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444230	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444231	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444232	1	2.106267	0.792873	0.766667	1.261542	0	0	0	0	0	0	0.98547	0	0
LOC112444233	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444234	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444235	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444236	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444237	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444238	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444239	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444240	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444241	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444242	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444243	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444244	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444245	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444246	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112444247	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444248	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444249	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444250	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444251	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444252	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444253	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444255	1	0	0	0	0	0	0	0	0	0	0.23126	0	0.046252	#DIV/0!
LOC112444256	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444276	1	1.882819	1.047112	1.05383	1.292048	1.027005	0	0	0	0.391296	0.283104	1.260563	0.13488	0.107
LOC112444277	1	0	0	0.016003	0	0	0	0	0	0.037882	0	0.003201	0.007576	2.367093
LOC112444278	1	0.008565	0.020553	0	0	0.026146	0.011205	0.025024	0.005534	0	0	0.011053	0.008353	0.755696
LOC112444279	1	0.045057	0.074508	0.038659	0.015421	0.052402	0	0	0	0	0.029425	0.045209	0.005885	0.130173
LOC112444280	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444281	1	0.401682	0.534266	0	0	0.387568	0	0	0	0	0	0.264703	0	0
LOC112444282	1	0	0	0	0	0	0	0.020156	0	0	0	0	0.004031	#DIV/0!
LOC112444283	1	0	0.011796	0.228124	0.075075	0	0	0.288548	0.404934	0	0.034728	0.062999	0.145642	2.311813
LOC112444284	0.005476	0.257777	0.499044	0.536166	1.205748	1.399043	0	0	0	0	0	0.779556	0	0
LOC112444285	1	0.225052	0.187271	0.096084	0.06689	0.101021	0.026566	0.021574	0.118076	0.017495	0	0.135264	0.036742	0.271635
LOC112444286	1	0	0	0.034396	0.047165	0	0	0	0.010176	0.020354	0	0.016312	0.006106	0.374326
LOC112444287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444288	1	0.177877	0.385016	0.258985	0.284104	0.482701	1.086039	0.37798	0.268166	2.605424	1.256689	0.317737	1.11886	3.521344
LOC112444289	1	0.056399	0.031846	0.18476	0.1689	0	0.295155	0	0.07288	0.728907	0.046877	0.088381	0.228764	2.58838
LOC112444290	1	0	0.013159	0	0	0	0	0.004952	0.018069	0	0	0.002632	0.004604	1.749443
LOC112444291	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444292	1	0.00241	0	0	0	0	0	0	0	0	0	0.000482	0	0
LOC112444293	1	0.017136	0.043541	0	0	0	0	0	0	0	0	0.012135	0	0
LOC112444294	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444295	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444296	1	0.00088	0.001987	0	0	0	0	0.009347	0	0	0	0.000573	0.001869	3.260514
LOC112444297	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444299	1	0.554827	0.81454	0	0	0	0.580718	0	0	0	0	0.273873	0.116144	0.424078
LOC112444300	1	0.082172	0	0	0	0.016518	0.031854	0	0	0	0	0.019738	0.006371	0.322773
LOC112444301	1	0.003687	0.004164	0.016104	0	0	0	0.007834	0	0.057179	0.018386	0.004791	0.01668	3.481618
LOC112444302	1	0.001984	0.011204	0.004334	0.009508	0	0	0	0	0	0.003298	0.005406	0.00066	0.122032
LOC112444303	1	0	0.030127	0	0.031957	0	0.628252	0.056688	0	0.137912	0	0.012417	0.16457	13.25394
LOC112444304	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444305	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444306	1	0.01382	0.004459	0	0	0	0	0	0.005102	0	0	0.003656	0.00102	0.279139
LOC112444307	0.205394	0	0	0	0	0	0.104321	0.254152	1.601029	0	0	0	0.3919	#DIV/0!
LOC112444308	1	0.004179	0	0	0	0	0.131209	0.013319	0	0	0	0.000836	0.028906	34.58739
LOC112444309	1	0.008384	0.006312	0.012207	0.006696	0	0	0	0	0	0	0.00672	0	0
LOC112444310	1	0.532389	0.505289	0.383449	0.169613	0.399606	0	0	0.131738	0.029279	0.009415	0.398069	0.034086	0.085629
LOC112444311	1	0	0.005061	0	0	0	0.023455	0.023809	0.034749	0.057923	0.00745	0.001012	0.029477	29.12007
LOC112444313	1	0.059907	0	0.130835	0	0	0	0	0	0	0.149378	0.038148	0.029876	0.783144

LOC112444314	1.47E-22	0.467383	0.938704	2.196959	1.828638	0.70831	0	0	0	0.003717	0.001195	1.227999	0.000983	0.0008
LOC112444315	1	0.003885	0.001806	0.001996	0.001369	0	0	0.002671	0.003248	0.015947	0.007407	0.001811	0.005855	3.232546
LOC112444316	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444317	1	0.003544	0	0	0.001061	0	0	0.003765	0.00458	0.018322	0.016201	0.000921	0.008574	9.308195
LOC112444318	1	0.050759	0	0	0	0	0.265639	0	0	0	0	0.010152	0.053128	5.233328
LOC112444319	1	0.007668	0.003528	0.003722	0.001701	0.008478	0.002973	0.003621	0.006606	0.052855	0.01794	0.005019	0.016799	3.346899
LOC112444320	1	0.006309	0.0057	0.011023	0.007558	0	0	0	0	0	0	0.006118	0	0
LOC112444321	1	0	0	0	0	0.095262	0	0	0	0	0.029178	0.019052	0.005836	0.306289
LOC112444322	1	0	0.004857	0.009392	0	0	0.011253	0.022847	0.011115	0.144513	0.010724	0.00285	0.04009	14.06758
LOC112444323	1	0	0.014254	0	0	0	0	0	0	0	0	0.002851	0	0
LOC112444324	1	0.168846	0.21268	0.113463	0.077792	0.31721	0	0.082798	0.100701	0	0.118749	0.177998	0.06045	0.339607
LOC112444326	1	0	0.018209	0	0	0.021878	0	0.042829	0.062509	0	0	0.008018	0.021068	2.627707
LOC112444327	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444328	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444329	1	0.021261	0.024011	0.015478	0.00849	0.019232	0	0	0.009158	0.036638	0.035343	0.017694	0.016228	0.917124
LOC112444330	1	0.628285	0.600368	0.517195	0.596305	1.954144	0.050585	0.01027	0	0.049969	0.168714	0.859259	0.055908	0.065065
LOC112444331	1	0.029504	0.055532	0.085914	0.047123	0.035584	0	0	0	0.033894	0.021798	0.050731	0.011138	0.219558
LOC112444332	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444333	1	0	0.006124	0	0	0	0	0	0.007007	0	0	0.001225	0.001401	1.144262
LOC112444334	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444335	1	0	0	0	0.012944	0	0.028276	0.045925	0.013964	0.279316	0.026945	0.002589	0.078885	30.47054
LOC112444336	1	0.002684	0	0.005861	0	0	0.02809	0.102651	0.10404	0.027748	0.053535	0.001709	0.063213	36.98842
LOC112444337	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444338	1	0	0.031854	0	0	0	0	0	0	0	0	0.006371	0	0
LOC112444339	1	0.062991	0.134063	0	0	0.006574	0	0	0	0	0	0.040726	0	0
LOC112444340	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444341	1	0.059059	0	0	0	0	0	0	0	0	0	0.011812	0	0
LOC112444342	1	0	0	0	0	0	0	0	0	0	0.02921	0	0.005842	#DIV/0!
LOC112444343	1	0.003727	0	0	0	0	0	0	0	0	0	0.000745	0	0
LOC112444344	1	0.03728	0.060812	0.058802	0.052101	0.106786	0	0	0	0.053535	0.055086	0.063156	0.021724	0.343975
LOC112444345	1	0	0	0.104066	0.048925	0	0	0	0	0	0	0.030598	0	0
LOC112444346	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444347	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444348	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444349	1	0.001005	0.001135	0	0.002408	0	0	0	0	0.005196	0.003342	0.00091	0.001707	1.877156
LOC112444350	1	0	0	0	0.02311	0	0	0	0	0.099733	0.240525	0.004622	0.068052	14.72346
LOC112444351	1	0.00552	0	0	0	0	0	0	0	0	0	0.001104	0	0
LOC112444352	1	0	0	0.236294	0.064803	0	0	0	0	0	0.029976	0.060219	0.005995	0.099556
LOC112444353	1	0	0	0.057588	0.031587	0	0	0	0	0	0	0.017835	0	0
LOC112444355	1	0.071501	0	0.104103	0.285501	0.582089	0.124729	0	0	0	0	0.208639	0.024946	0.119565
LOC112444357	1	0	0	0.143918	0	0	0	0	0	0	0	0.028784	0	0
LOC112444358	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444359	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444360	1	0.070296	0.046309	0.153525	0.084208	0.063587	0	0.112032	0.136258	0.060568	0.04869	0.083585	0.07151	0.855533
LOC112444361	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444362	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112444363	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444364	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444365	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444366	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444367	1	0	0	0	0	0	0	0	0	0.907387	0	0	0.181477	#DIV/0!
LOC112444368	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444369	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444370	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444371	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444372	1	0	0.198218	0	0	0	0	0	0	0	0	0.039644	0	0
LOC112444373	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444374	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444375	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444376	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444377	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444378	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444379	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444380	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444381	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444382	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444383	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444384	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444385	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444386	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444387	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444388	1	0	0.323807	0	0	0	0	0	0	0	0	0.064761	0	0
LOC112444389	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444390	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444391	1	1.774571	1.336023	1.614831	1.062874	0.4013	0	0	0	1.528982	0.491655	1.23792	0.404127	0.326457
LOC112444459	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444460	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444461	1	0	0.016174	0.010426	0.005719	0.012955	0	0	0	0	0	0.009055	0	0
LOC112444462	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444463	1	0.025626	0.031209	0.0417	0.065006	0.020453	0.00263	0.029896	0.032465	0.038964	0.025058	0.036799	0.025803	0.701179
LOC112444464	1	0.058398	0.105519	0	0	0.063389	0	0	0	0	0	0.045461	0	0
LOC112444465	1	0.010575	0.005971	0.900705	0.89306	0	0	0	0	0	0	0.362062	0	0
LOC112444466	1	0.006194	0.055961	0	0	0	0	0	0	0	0	0.012431	0	0
LOC112444467	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444469	1	0.106275	0.178339	0	0	0.074126	0	0	0.001103	0	0	0.071748	0.000221	0.003075
LOC112444470	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444471	1	0	0.135437	0	0	0	0	0	0	0	0	0.027087	0	0
LOC112444472	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444473	1	0.165958	0.124945	0	0	0.150118	0.434256	0.058775	0	0	0	0.088204	0.098606	1.117932
LOC112444474	1	0.004891	0.002762	0	0	0	0	0	0	0	0	0.00153	0	0
LOC112444475	1	0.041674	0.141187	0.030338	0.02496	0	0	0	0	0	0	0.047632	0	0
LOC112444476	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112444477	0.194458	0.121875	0.144515	0.199627	0.248188	0.115755	0	0	0	0	0	0.165992	0	0
LOC112444478	1	0.00832	0.002685	0.015575	0.011391	0.009677	0	0	0	0.003072	0.001976	0.00953	0.00101	0.10595
LOC112444479	1	0	0	0.08324	0.148385	0	0	0	0	0	0	0.046325	0	0
LOC112444480	1	0.045497	0.012402	0.027411	0.018793	0.012772	0.065683	0	0.024328	0	0.036512	0.023375	0.025305	1.082543
LOC112444481	1	0.00175	0.003953	0	0.016774	0.0095	0	0.003719	0.009047	0.470522	0.00291	0.006395	0.09724	15.20476
LOC112444482	1	0.000525	0.001777	0.003437	0.003142	0.001423	0.002745	0	0.002711	0.008135	0.006976	0.002061	0.004114	1.996127
LOC112444483	1	0.003301	0.001491	0	0	0	0	0	0	0	0	0.000958	0	0
LOC112444484	1	0.20243	0.211615	0.086628	0.092572	0.170737	0	0.033424	0.001767	0.010606	0.002274	0.152796	0.009614	0.062922
LOC112444485	1	0.07619	0	0	0	0	0	0	0	0	0	0.015238	0	0
LOC112444486	1	0.012317	0.005216	0.010088	0.003689	0.008356	0.03223	0.01963	0.023875	0	0	0.007933	0.015147	1.90932
LOC112444487	1	0	0	0.027988	0	0	0	0	0.01656	0	0.010652	0.005598	0.005442	0.972265
LOC112444488	1	0.0072	0	0.010484	0.00575	0	0	0	0	0	0	0.004687	0	0
LOC112444489	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444490	1	0.052025	0	0	0	0	0.136131	0.276374	1.00841	0.268948	0.475652	0.010405	0.433103	41.62483
LOC112444491	1	0	0.003022	0	0	0.014524	0	0	0	0	0	0.003509	0	0
LOC112444492	1	0.011651	0.006579	0.038167	0.017445	0	0	0.012379	0.015055	0	0	0.014768	0.005487	0.371523
LOC112444493	1	0	0	0.03139	0.022957	0	0	0	0	0.012384	0	0.010869	0.002477	0.227869
LOC112444494	1	0	0.006619	0	0.007021	0	0	0	0	0.030298	0.350733	0.002728	0.076206	27.93643
LOC112444495	1	0.02967	0	0	0	0	0	0	0	0	0	0.005934	0	0
LOC112444496	1	0.015569	0.011721	0.005667	0.018649	0	0	0	0	0.013414	0	0.010321	0.002683	0.25993
LOC112444497	1	0.002161	0.002441	0.0236	0	0	0	0	0	0.011173	0	0.00564	0.002235	0.396168
LOC112444498	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444499	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444500	1	0.047061	0	0	0	0	0	0	0	0	0	0.009412	0	0
LOC112444501	1	0.002359	0	0	0	0	0	0	0	0	0	0.000472	0	0
LOC112444502	1	1.141523	1.284227	0	0	1.54297	0	0.027669	0	0	0	0.793744	0.005534	0.006972
LOC112444503	1	0.023079	0.008019	0	0	0	0	0	0	0	0	0.00622	0	0
LOC112444504	1	0	0	0	0.035796	0	0	0	0	0	0	0.007159	0	0
LOC112444505	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444506	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444507	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444508	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444509	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444510	1	0.008882	0.002508	0.009699	0	0	0	0.004718	0.040171	0	0	0.004218	0.008978	2.128627
LOC112444511	1	0	0.002043	0	0	0	0	0.007689	0	0.028061	0.042108	0.000409	0.015572	38.10437
LOC112444512	1	0	0.03268	0.084266	0.02311	0.052352	0	0	0	0	0	0.038482	0	0
LOC112444513	1	0.00108	0	0	0	0	0	0	0	0.016744	0.008973	0.000216	0.005143	23.82058
LOC112444514	1	0.002568	0.00174	0.003365	0	0	0	0	0	0	0	0.001535	0	0
LOC112444515	1	0	0	0.019772	0.032534	0	0	0	0	0	0	0.010461	0	0
LOC112444516	1	0.034587	0.043942	0.094422	0.031074	0	0	0	0	0	0	0.040805	0	0
LOC112444517	1	0	0	0.017585	0.002411	0	0	0	0	0	0.003346	0.003999	0.000669	0.167342
LOC112444518	1	0	0	0	0.009382	0	0	0	0	0.080976	0.026038	0.001876	0.021403	11.40664
LOC112444519	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444520	1	0.006634	0.007492	0.115907	0.170857	0.018003	0	0	0	0	0	0.063779	0	0
LOC112444521	1	1.565073	2.455446	0	0	0	8.630303	7.856692	8.279712	0	0	0.804104	4.953341	6.160077
LOC112444522	1	0	0	0	0	0	0	0	0	0.023189	0.003728	0	0.005383	#DIV/0!

LOC112444523	1	0	0	0.077536	0.012151	0	0	0	0	0	0	0.017937	0	0
LOC112444524	1	0.038018	0	0	0	0	0	0	0	0	0	0.007604	0	0
LOC112444526	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444527	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444528	1	0.009125	0.001874	0.007247	0.002981	0	0	0	0	0.017155	0	0.004245	0.003431	0.80813
LOC112444529	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444530	1	0.002175	0.002456	0.00475	0.005211	0	0	0	0	0.078707	0.003616	0.002918	0.016464	5.6416
LOC112444531	7.18E-08	3.66027	3.298902	7.330932	4.526904	1.647503	0.046047	0	0	0.022743	0.124325	4.092902	0.038623	0.009437
LOC112444532	1	0	0	0	0.117174	0	0	0	0	0	0	0.023435	0	0
LOC112444533	1	0.020086	0.012098	0.002924	0.008822	0.003634	0.003504	0.007114	0.00173	0.031151	0.013356	0.009513	0.011371	1.195328
LOC112444534	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444535	1	0.122862	0.350727	0.119256	0.077676	0.314885	0.035721	0.217564	0.423374	0.688084	0.306357	0.197082	0.33422	1.695847
LOC112444536	1	0.166838	0.062804	0.035425	0.088824	0.119474	0	0.256044	0.059887	0.011979	0	0.094673	0.065582	0.692721
LOC112444537	1	0.000586	0.000992	0	0	0	0	0.013688	0	0	0	0.000316	0.002738	8.676616
LOC112444538	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444539	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444540	1	0	0	0	0	0	1.837131	0	0	0	0	0	0.367426	#DIV/0!
LOC112444541	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444542	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444543	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444544	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444545	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444546	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444547	1	0.364677	0	0	0	0	0	0	0	0	0	0.072935	0	0
LOC112444548	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444549	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444550	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444551	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444552	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444553	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444554	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444555	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444556	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444557	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444558	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444559	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444560	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444561	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444562	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444563	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444564	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444565	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444566	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444581	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444582	1	0.005401	0.018298	0	0	0	0	0	0.009306	0	0	0.00474	0.001861	0.392661
LOC112444583	1	0.105215	0	0	0	0	0	0	0	0	0	0.021043	0	0

LOC112444584	1	0	0.014251	0	0	0	0	0	0	0	0	0.00285	0	0
LOC112444585	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444586	1	0.011547	0.004347	0.003603	0.000659	0.007461	0.028777	0.001168	0.004263	0.031269	0.041133	0.005523	0.021322	3.860413
LOC112444587	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444588	0.874549	0.533388	0.348734	0.306552	0.269028	1.866436	0	0	0.036277	0	0.046667	0.664828	0.016589	0.024952
LOC112444589	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444590	1	0	0	0	0	0	0.083082	0	0	0	0.052781	0	0.027173	#DIV/0!
LOC112444591	1	0.019492	0	0	0	0	0	0	0	0	0	0.003898	0	0
LOC112444592	1	0.011303	0.015499	0.003526	0.003868	0	0	0	0	0.008347	0.002684	0.006839	0.002206	0.322585
LOC112444593	1	0.047728	0.296446	0.46906	0.114346	0.323794	0	0.05071	0.061675	0	0.079339	0.250275	0.038345	0.153211
LOC112444594	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444595	1	0.086681	0.130519	0	0.103835	0	0	0	0.074674	0	0.024015	0.064207	0.019738	0.307411
LOC112444596	1	0.003809	0.002458	0.006339	0.008474	0.000492	0.000949	0.002313	0.006094	0.060016	0.069052	0.004315	0.027685	6.416665
LOC112444597	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444598	1	0	0.017056	0	0	0	0	0	0	0	0	0.003411	0	0
LOC112444599	1	0.001322	0	0.004332	0	0	0.00346	0.00281	0.001709	0.003418	0.005496	0.001131	0.003379	2.987527
LOC112444600	1	0.46849	0.507139	0.190849	0.226807	0.414993	0.063517	0.190851	0.326222	0.11294	0.096844	0.361656	0.158075	0.437086
LOC112444602	1	0.013177	0.007441	0.025181	0.020718	0.00447	0.00431	0.022751	0.089397	0.183077	0.132799	0.014197	0.086467	6.090344
LOC112444603	1	0.004629	0	0.005055	0.005545	0.006281	0	0	0	0	0	0.004302	0	0
LOC112444604	1	0.002464	0.00159	0.004612	0.001686	0	0	0	0.001819	0.016375	0.005265	0.00207	0.004692	2.266264
LOC112444605	1	0.076496	0.060741	0.054818	0.04868	0.038922	0.006255	0	0.018534	0.024716	0.02583	0.055931	0.015067	0.269384
LOC112444606	1	0	0.00315	0	0	0.015139	0	0	0	0	0	0.003658	0	0
LOC112444607	1	0.003396	0.030685	0	0.006103	0	0	0	0.008778	0.008779	0.002823	0.008037	0.004076	0.507166
LOC112444608	1	0.008871	0.007514	0	0	0	0	0	0	0	0	0.003277	0	0
LOC112444609	1	0.002983	0.003369	0.001551	0.001532	0.000771	0.002974	0.003019	0.005507	0.01836	0.008029	0.002041	0.007578	3.712365
LOC112444610	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444611	1	0.902537	0.927623	0.531534	1.664232	1.953847	0.318423	0.193939	0	0	2.76463	1.195955	0.655398	0.548013
LOC112444612	1	0.050373	0.180142	0.055007	0	0	0.307557	0.160561	0.021698	0.260412	0.11165	0.057104	0.172376	3.018604
LOC112444613	1	0.101063	0.152175	0.735726	0.665845	0	0	0	0	0	0.028	0.330962	0.0056	0.01692
LOC112444614	1	1.097584	1.182123	1.79781	1.996531	1.709869	0	0	0.105061	0	0	1.556784	0.021012	0.013497
LOC112444615	1	0	0.003304	0	0	0	0	0	0	0	0	0.000661	0	0
LOC112444616	1	0.02065	0	0.067647	0	0	0	0	0	0	0	0.017659	0	0
LOC112444617	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444618	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444619	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444620	1	0.086019	0.01619	0	0	0	0.375139	0.335109	0.259364	0	0	0.020442	0.193922	9.486504
LOC112444621	1	0.043532	0.014212	0.02298	0.021748	0.038071	0.007558	0.011399	0.009598	0.060794	0.04287	0.028109	0.026444	0.940766
LOC112444622	1	0.011682	0.001885	0.016401	0.012994	0.002264	0.144102	0.122342	0.075477	0	0.001387	0.009045	0.068662	7.591052
LOC112444623	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444625	1	0	0	0.012717	0.006975	0	0	0	0	0	0.003227	0.003938	0.000645	0.163848
LOC112444626	1	3.797182	3.380531	0	0	6.164778	0.321899	0.243982	0.572283	0	0	2.668498	0.227633	0.085304
LOC112444627	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444628	1	0	0.014394	0	0	0	0	0	0	0	0	0.002879	0	0
LOC112444629	1	0.004013	0.004029	0.001948	0.001068	0	0.002334	0.000948	0.000576	0.005763	0.008525	0.002212	0.003629	1.640906
LOC112444630	1	0	0	0	0	0	0	0	0	0.034589	0.022244	0	0.011367	#DIV/0!

LOC112444631	1	0	0.006813	0	0	0	0.015786	0	0	0	0	0.001363	0.003157	2.317055
LOC112444632	1	0.261105	0	0.081463	0	0	0	0	0.096401	0.096415	0.031003	0.068514	0.044764	0.65336
LOC112444633	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444634	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444635	1	0.139729	0.322767	0	0	0.258531	0	0.080978	0	0	0	0.144205	0.016196	0.112309
LOC112444636	0.00069	0.387917	0.277805	0.227297	0.198341	0.385127	0	0	0	0	0	0.295297	0	0
LOC112444637	1	0.219843	0.035467	0	0	0.127839	0.123269	0.28363	1.034885	0	0	0.07663	0.288357	3.762982
LOC112444638	1	0.069947	0.236976	0	0	1.233793	0	0	0	0	0	0.308143	0	0
LOC112444639	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444640	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444641	1	0.00912	0.007725	0	0	0	0	0	0	0	0.00758	0.003369	0.001516	0.450014
LOC112444642	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444643	1	0.004269	0	0	0.002557	0	0	0	0	0	0	0.001365	0	0
LOC112444644	1	0.004587	0.00518	0.005009	0	0.012447	0	0	0	0	0.007625	0.005445	0.001525	0.280092
LOC112444645	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444646	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444647	1	0	0	0	0	0	0	0	0	0	0.010019	0	0.002004	#DIV/0!
LOC112444648	1	0.002889	0.000251	0.02718	0.032745	0	0.034891	0.006611	0.010913	0.024127	0.033618	0.012613	0.022032	1.746783
LOC112444649	1	0.006195	0.01166	0.00451	0.002474	0	0	0	0.005337	0.042701	0.130441	0.004968	0.035696	7.185643
LOC112444650	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444651	1	0.027575	0.072661	0.271002	0.049548	0.018707	0	0.009766	0.118777	0	0	0.087899	0.025709	0.292479
LOC112444652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444653	1	12.64334	11.50573	30.56147	26.46765	436.3681	725.9068	70.42663	49.1726	48.22789	160.3856	103.5093	210.8239	2.036764
LOC112444654	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444655	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444656	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444657	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444658	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444659	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444660	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444661	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444662	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444663	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444664	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444665	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444666	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444667	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444668	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444669	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444670	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444671	1	0	0	0	0	0	0	0	0	0.719188	0	0	0.143838	#DIV/0!
LOC112444672	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444673	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444674	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444675	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444676	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112444677	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444678	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444679	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444680	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444681	1	1862.697	1317.012	1301.965	827.7643	893.0552	1548.423	593.5956	548.0943	249.8791	1629.578	1240.499	913.914	0.736731
LOC112444682	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444719	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444720	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444721	1	0.002083	0.004704	0.003032	0.001663	0	0	0	0.002691	0	0	0.002297	0.000538	0.234388
LOC112444722	1	0	0	0.024679	0.013536	0	0	0	0	0	0	0.007643	0	0
LOC112444723	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444724	1	0.058654	0.105981	0	0	0	0.061391	0.024927	0	0	0	0.032927	0.017264	0.524301
LOC112444725	1	0.004218	0	0.027633	0.010104	0.011445	0	0	0	0	0.021033	0.01068	0.004207	0.393876
LOC112444726	1	0.078492	0.032233	0.68569	0.854768	0.116182	0	0	0	0.073777	0.035585	0.353473	0.021872	0.061879
LOC112444727	1	0.017433	0.104997	0.012691	0.013922	0	0	0.012348	0	0	0.00483	0.029808	0.003436	0.115254
LOC112444728	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444729	1	0	0	0	0	0	0	0.008601	0	0	0	0	0.00172	#DIV/0!
LOC112444730	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444731	1	0.086031	0.075607	0.096503	0.0401	0.013626	0.007007	0.011381	0.038932	0.54166	0.207006	0.062373	0.161197	2.58439
LOC112444732	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444733	1	0.034892	0	0	0	0	0	0	0	0	0	0.006978	0	0
LOC112444734	1	0.082788	0.065767	0.034914	0.013679	0.018592	0.005976	0.002426	0.002951	0.005903	0.009491	0.043148	0.00535	0.123982
LOC112444735	1	0.033478	0.050408	0.121856	0.173777	0.151412	0	0	0	0	0	0.106186	0	0
LOC112444736	1	0.007534	0.008783	0.005308	0.000582	0.001319	0	0.002066	0.004397	0.016334	0.009697	0.004705	0.006499	1.38111
LOC112444737	1	0.015918	0.002247	0	0.002383	0	0	0.008456	0.041138	0.020572	0.033076	0.00411	0.020648	5.024407
LOC112444738	1	0.00731	0.006191	0.051885	0.046701	0.006612	0.003188	0.001294	0.01102	0.012596	0.018227	0.02374	0.009265	0.390284
LOC112444739	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444740	1	0.007855	0	0	0.009409	0	0	0	0	0	0.026115	0.003453	0.005223	1.512661
LOC112444741	1	0.020033	0.013574	0.009844	0.0048	0.008155	0.013105	0.00745	0.007766	0.020713	0.002498	0.011281	0.010306	0.913588
LOC112444742	1	0	0	0.025894	0	0	0.031025	0.327531	0.628176	0.245178	0.098548	0.005179	0.266092	51.38019
LOC112444743	1	0	0	0	0.004915	0	0	0	0	0	0	0.000983	0	0
LOC112444744	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444745	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444746	1	0.002128	0	0	0	0	0	0	0	0	0	0.000426	0	0
LOC112444747	1	0.010623	0.029991	0	0	0	0.055592	0	0	0	0.008829	0.008123	0.012884	1.586208
LOC112444748	1	0.002857	0	0.020276	0.018821	0	0.026162	0.01214	0.110742	0.723618	0.305102	0.008391	0.235553	28.07327
LOC112444749	1	0.022046	0.01611	0.014161	0.001553	0	0	0.005511	0.010055	0.033521	0.021558	0.010774	0.014129	1.311379
LOC112444750	2.05E-05	0	0.006752	0	0.007163	0	0	0	0	0	0.00994	0.002783	0.001988	0.714306
LOC112444751	1	0.001025	0.002315	0.024629	0.001842	0	0	0	0	0.0053	0.008521	0.005962	0.002764	0.463609
LOC112444752	1	0.956748	2.169429	0.542941	1.371689	0.265763	0.23655	0.160082	0	0	0.062616	1.061314	0.091849	0.086543
LOC112444753	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444754	1	0	0	0	0	0	0	0	0	0	0.163627	0	0.032725	#DIV/0!
LOC112444755	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444756	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444757	1	0	0	0	0.015222	0	0	0	0	0	0	0.003044	0	0
LOC112444758	1	0.002741	0.004128	0.015965	0.015325	0.014878	0.009564	0.003883	0.007085	0.033067	0.019747	0.010607	0.014669	1.382937

LOC112444759	1	0.012125	0.036513	0.024273	0.032679	0.005484	0	0.006441	0.005223	0.036563	0.003359	0.022215	0.010317	0.464432
LOC112444760	1	0.01496	0.041029	0	0	0	0	0	0	0	0	0.011198	0	0
LOC112444761	1	0.003106	0	0	0	0	0	0	0.008027	0	0.051629	0.000621	0.011931	19.20778
LOC112444762	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444763	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444764	1	0.014611	0.006	0.005802	0.007956	0.007209	0.159883	0.056452	0.085823	0.089269	0.052994	0.008316	0.088884	10.68872
LOC112444765	1	0.024903	0.009374	0.027193	0.059662	0.022526	0.108604	0.149932	0.246713	0	0	0.028732	0.10105	3.517017
LOC112444766	1	0.003234	0.008218	0.012361	0.00678	0	0	0	0	0	0.001344	0.006119	0.000269	0.043934
LOC112444767	1	0.002146	0.000606	0.002343	0.000643	0.004367	0	0.00342	0.001386	0.011093	0.007134	0.002021	0.004607	2.279476
LOC112444768	1	0.736505	0.600701	0	0	1.332422	0	0	0	0	0	0.533926	0	0
LOC112444769	1	0.026646	0.01467	0.016731	0.006184	0.01514	0.016995	0.006724	0.005165	0.014206	0.018272	0.015874	0.012272	0.773096
LOC112444770	1	0	0	0	0	0	0	0.004847	0.005896	0	0	0	0.002149	#DIV/0!
LOC112444771	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444772	1	0	0.040093	0	0	0	0	0	0	0	0	0.008019	0	0
LOC112444773	1	0.160844	0.128218	0	0	0.025675	0.099029	0.020105	0.183393	0	0	0.062947	0.060506	0.961208
LOC112444774	1	0	0	0.009066	0.009946	0	0	0.035286	0.171664	0.300456	0.110416	0.003802	0.123565	32.49592
LOC112444775	1	0.227844	0.421046	0.348968	0.326102	0.38543	0.216797	0.653927	0.734151	0.550694	0.285295	0.341878	0.488173	1.427914
LOC112444776	1	0.003913	0.002651	0	0	0	0	0.001663	0	0	0	0.001313	0.000333	0.253335
LOC112444777	1	0	0.010989	0	0	0	0	0	0	0	0.064705	0.002198	0.012941	5.887984
LOC112444778	1	0.084924	0.004795	0	0	0.046091	0	0	0.021948	0	0	0.027162	0.00439	0.161609
LOC112444779	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444780	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444781	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444782	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444783	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444784	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444785	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444786	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444787	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444788	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444789	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444790	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444791	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444792	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444793	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444794	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444795	1	0	0.471319	0	0	0	0	0	0	0	0	0.094264	0	0
LOC112444796	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444797	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444798	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444799	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444800	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444801	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444802	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444803	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444804	1	0	0	0	0	0	0	0	0.394619	0	0	0	0.078924	#DIV/0!

LOC112444805	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444806	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444807	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444808	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444809	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444834	1	0.015294	0.017271	0.100204	0.00916	0	0.160076	0.016249	0.039526	4.308978	8.643999	0.028386	2.633765	92.78445
LOC112444835	1	0	0.017855	0.039463	0.005411	0.012259	0	0	0	0	0	0.014998	0	0
LOC112444836	1	0.002946	0.001479	0.001787	0.00098	0.000444	0.018846	0.035131	0.012691	0.003385	0.005442	0.001527	0.015099	9.885071
LOC112444837	1	0	0	0	0.019082	0	0	0	0	0	0	0.003816	0	0
LOC112444838	1	0	0	0.031418	0	0	0	0	0.01859	0	0	0.006284	0.003718	0.591687
LOC112444839	1	0.029028	0.032781	0.063395	0.278176	0	0	0	0	0	0	0.080676	0	0
LOC112444840	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444841	1	0.429725	0.509197	1.202023	0.527444	40.79164	73.43792	7.602033	6.876963	0.065661	0.728422	8.692005	17.7422	2.041209
LOC112444842	1	0.409989	0.684991	14.08109	15.17774	0.655353	0	0.023869	0	6.068147	11.50214	6.201834	3.518831	0.567386
LOC112444843	1	0.145984	0.173104	8.130012	5.088824	0.039615	0	0.01551	0.037729	0.716952	0.703756	2.715508	0.294789	0.108558
LOC112444844	1	0.020201	0.002281	0	0	0	0	0	0	0	0	0.004496	0	0
LOC112444845	1	0.036141	0.06297	0.047358	0.014843	0.005604	0	0.004388	0.005337	0.021353	0.020598	0.033383	0.010335	0.309595
LOC112444846	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444847	0.146161	5.271826	4.61073	1.908481	4.650513	0.54425	0	0	0	0.222175	0.285767	3.39716	0.101588	0.029904
LOC112444848	1	0.007316	0.004131	0	0	0	0	0	0	0.003152	0.001013	0.002289	0.000833	0.36387
LOC112444849	1	0.017479	0.001795	0.013882	0.020939	0.008624	0	0	0.004107	0.008215	0	0.012544	0.002464	0.196458
LOC112444850	1	0	0.053514	0	0	0.042864	0.061997	0	0.020411	0	0	0.019276	0.016482	0.855059
LOC112444851	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444852	1	0.032437	0.028359	0.043418	0.052643	0.017037	0	0	0	0.032455	0	0.034779	0.006491	0.186638
LOC112444853	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444854	1	0.003164	0.001786	0	0	0.001431	0	0	0	0	0	0.001276	0	0
LOC112444855	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444856	1	0.062812	0.040196	0.013718	0.003762	0.005682	0.087658	0.004449	0.021645	0.373424	0.165324	0.025234	0.1305	5.171584
LOC112444858	1	0.001235	0.001394	0.002696	0	0.006701	0	0	0	0	0.004105	0.002405	0.000821	0.34132
LOC112444859	1	0	0	0	0	0	0.408676	0	0	0.605553	0.454346	0	0.293715	#DIV/0!
LOC112444860	1	0.002085	0.000471	0.000911	0.001499	0	0	0	0	0.002156	0.00416	0.000993	0.001263	1.271832
LOC112444861	1.39E-06	0.60656	1.145276	0.371477	0.457485	1.097335	0.016795	0	0	0	0	0.735627	0.003359	0.004566
LOC112444862	1	0.012309	0.0278	0.138888	0.140072	0.005567	0.042943	0.004359	0.021207	0	0.010231	0.064927	0.015748	0.24255
LOC112444863	1	0.033917	0.035662	0.038314	0.088264	0.019043	0	0	0.006045	0.04837	0.015554	0.04304	0.013994	0.325134
LOC112444864	1	0.04751	0.053654	0.124513	0.18212	0.116035	0	0	0	0	0.173752	0.104766	0.03475	0.331694
LOC112444865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444866	1	0	0.022408	0	0	0	0	0	0	8.821733	3.72728	0.004482	2.509803	560.0189
LOC112444867	1	0.003117	0	0	0	0	0	0	0	0	0	0.000623	0	0
LOC112444868	1	0	0.003907	0	0	0	0	0	0	0	0	0.000781	0	0
LOC112444869	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444870	1	0.010348	0.046742	0	0	0.05616	0	0	0	0	0	0.02265	0	0
LOC112444871	1	0	0.099109	0	0.039423	0	0.172231	0.209799	0.793848	0.170135	0.401193	0.027706	0.349441	12.61226
LOC112444872	1	0	0.00231	0.008933	0	0	0	0	0	0	0	0.002249	0	0
LOC112444873	1	0.015445	0.005814	0.003748	0.005139	0.009314	0	0	0	0.004436	0.009984	0.007892	0.002884	0.365443
LOC112444874	1	0.002119	0	0.009257	0.002539	0	0	0	0	0	0	0.002783	0	0
LOC112444875	1	0.000355	0.001204	0	0	0.000965	0.00186	0.006798	0.00643	0	0	0.000505	0.003018	5.977391

LOC112444876	1	0.008258	0	0	0	0	0.007203	0	0	0	0	0.001652	0.001441	0.872221
LOC112444877	1	0	0	0.020648	0.02265	0	0	0	0	0	0	0.00866	0	0
LOC112444878	1	0.00262	0.004699	0.002019	0.002215	0	0	0	0.000398	0.001593	0.006148	0.002311	0.001628	0.704547
LOC112444879	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444880	1	0	0	0	0	0	0.071119	0.028877	0.21073	0	0.067772	0	0.0757	#DIV/0!
LOC112444882	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444883	1	0.006052	0.01367	0.171839	0.123254	0	0	0	0	0.438049	0.211286	0.062963	0.129867	2.062586
LOC112444884	1	0	0.013264	0	0.042209	0	0	0	0	0.182158	0.702891	0.011095	0.17701	15.95451
LOC112444885	1	0	0	0	0	0	0	0	0	0	0.061396	0	0.012279	#DIV/0!
LOC112444886	1	0	0	0	0	0	0	0	0	0	0.487433	0	0.097487	#DIV/0!
LOC112444887	1	0	0	0	0.037843	0	0	0	0	0.081657	0.840238	0.007569	0.184379	24.36122
LOC112444888	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444889	2.97E-09	0.297418	0.339156	0.650817	0.34862	0.335764	0.0152	0.002469	0.004504	0.012012	0.010622	0.394355	0.008961	0.022724
LOC112444890	1	0	0	0.019658	0	0	0	0	0	0	0.10474	0.003932	0.020948	5.328088
LOC112444891	1	0	0	0	0	0.038654	0	0	0.018407	0	0	0.007731	0.003681	0.476189
LOC112444892	1	0.124377	0.151264	0	0	0.233666	0	2.988558	0	0	0.031809	0.101861	0.604073	5.93035
LOC112444893	1	0.009616	0.01086	0	0.00768	0	0	0	0	0	0	0.005631	0	0
LOC112444894	1	0	0.001125	0.026107	0.01432	0	0	0.004234	0	0	0.001656	0.00831	0.001178	0.141741
LOC112444895	1	0.007236	0.003065	0.000988	0	0	0	0.000961	0.001169	0.002338	0.003007	0.002258	0.001495	0.6622
LOC112444896	1	0	0	0.067241	0	0.083549	0	0	0	0	0	0.030158	0	0
LOC112444897	1	0.065853	0.088918	0	0	0.069927	0	0.003042	0	0	0	0.04494	0.000608	0.013538
LOC112444898	1	0.003519	0	0	0	0	0	0	0	0	0.002925	0.000704	0.000585	0.831167
LOC112444899	1	0	0	0	0.021345	0	0	0	0.023026	0	0	0.004269	0.004605	1.078745
LOC112444900	1	0.007113	0.002216	0.001071	0.002644	0	0	0	0	0.001268	0.000408	0.002609	0.000335	0.128461
LOC112444901	1	0	0.017174	0	0	0	0	0	0	0	0	0.003435	0	0
LOC112444902	1	0	0	0	0	0	0.175983	0.107185	0.043454	0.173841	0.19565	0	0.139223	#DIV/0!
LOC112444903	1	0	0	0	0	0	0	0	0	0	0.007184	0	0.001437	#DIV/0!
LOC112444904	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444905	1	0.035417	0.035197	0.037128	0.035638	0	0.029656	0.021073	0.062242	0.065913	0.02826	0.028676	0.041429	1.44473
LOC112444906	1	0	0	0	0	0	0	0.069862	1.784333	0	0	0	0.370839	#DIV/0!
LOC112444907	1	0.222918	0.298945	0.34992	0.375515	0.226848	1.640539	0.325662	0.396083	0.576204	0.277924	0.294829	0.643282	2.181881
LOC112444908	1	0	0	0	0	0	0	0.008666	0	0	0.00678	0	0.003089	#DIV/0!
LOC112444909	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444910	1	0.05339	0.063076	0.007175	0.023614	0.011145	0.017194	0.012218	0.008491	0.06794	0.045059	0.03168	0.03018	0.952659
LOC112444911	1	0	0.059556	0	0	0	0	0	0	0	0	0.011911	0	0
LOC112444912	1	0.005239	0.017748	0	0	0	0	0	0	0	0	0.004597	0	0
LOC112444913	1	0	0	0.017787	0	0	0	0	0	0	0	0.003557	0	0
LOC112444914	1	0.082476	0.09314	0.115794	0.105854	0.127892	0	0	0	0	0.029379	0.105031	0.005876	0.055943
LOC112444915	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444916	1	0	0.007168	0	0	0	0	0	0	0	0	0.001434	0	0
LOC112444917	1	0.009907	0.001865	0	0.011868	0	0	0	0	0	0.00549	0.004728	0.001098	0.232224
LOC112444918	1	0.035503	0.11137	0.060306	0.103958	0.128457	0	0	0	0	0.006557	0.087919	0.001311	0.014917
LOC112444919	1	0	0.054805	0	0	0.438976	0	0	0	0	0	0.098756	0	0
LOC112444920	1	0.237975	0.167966	0.394436	0.539594	0.720742	0	0	0.005491	0.065906	0.088302	0.412143	0.03194	0.077497
LOC112444921	1	0.01149	0.019464	1.166887	0.991019	0.077952	0	0	0.029696	0	0.038201	0.453362	0.013579	0.029953
LOC112444922	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112444923	1	0.091857	0.064834	0.080802	0.065715	0.055393	0.04006	0.029821	0.270371	0.006595	0.010604	0.07172	0.07149	0.996792
LOC112444924	1	0.010777	0	0	0	0	0	0	0	0	0	0.002155	0	0
LOC112444925	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444926	0.085474	0.860775	0.803913	0.951848	1.022416	2.06975	0	0	0	0.168983	0.018113	1.14174	0.037419	0.032774
LOC112444927	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444929	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444930	1	0	0.013604	0	0	0	0	0.025599	0.046701	0	0	0.002721	0.01446	5.314428
LOC112444931	1	0.139047	0.144536	0.641857	0.317986	0.025727	0.91787	0.752102	0.343026	0.514613	0.288929	0.253831	0.563308	2.219228
LOC112444932	1	0	0	0	0.374958	0	0	0	0	0	0	0.074992	0	0
LOC112444933	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444934	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444935	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444936	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444937	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444938	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444939	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444940	1	0	0	0	0.374958	0	0	0	0	0	0	0.074992	0	0
LOC112444941	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444942	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444943	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444944	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444945	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444946	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444947	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444948	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444949	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444950	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444951	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444952	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444953	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444954	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444955	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444956	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444957	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444958	1	1.788655	1.346626	0	0.357103	0	0	0	0	0	0	0.698477	0	0
LOC112444959	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444960	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444961	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444962	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444963	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444964	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444965	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444966	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444967	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444968	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112444969	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444970	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444971	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444972	1	0.887286	2.839048	0.645932	1.417165	0	0	0	0.76438	3.822455	3.441585	1.157886	1.605684	1.386737
LOC112444973	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444974	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444975	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112444976	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445001	1	16.87183	1.165349	4.394647	5.129925	0.140014	0	0	0.133346	1.066927	0	5.540354	0.240055	0.043328
LOC112445002	1	50.9565	42.89193	30.46691	32.58161	30.68896	20.25357	20.93967	28.27841	16.16144	20.74817	37.51718	21.27625	0.567107
LOC112445003	1	0.017899	0.043797	0.048864	0.023228	0.020239	0	0	0	0.077111	0.037193	0.030805	0.022861	0.742104
LOC112445005	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445006	1	0	0	0.046277	0.076148	0	0	0	0	0	0	0.024485	0	0
LOC112445007	1	0.259558	0.235543	0.759194	0.421967	0.088044	0	0.019698	0	0.119805	0.069344	0.352861	0.041769	0.118374
LOC112445008	1	0	0	0.017019	0	0	0	0	0	0	0	0.003404	0	0
LOC112445009	0.00028	0.138997	0.153012	0.066325	0.043375	0.072902	0	0	0	0	0	0.094922	0	0
LOC112445010	1	0	0	0	0	0	0	0	0	0	0.00546	0	0.001092	#DIV/0!
LOC112445011	1	0	0	0	0.045634	0	0	0	0	0	0.063327	0.009127	0.012665	1.387714
LOC112445012	1	0.141476	0.047931	0.030898	0.050842	0.057588	0	0	0	0	0	0.065747	0	0
LOC112445013	1	0	0	0	0	0	0	0.01003	0	0	0.023539	0	0.006714	#DIV/0!
LOC112445014	1	0	0	0.175285	0.096143	0	0	0	0.207428	0	0	0.054286	0.041486	0.764209
LOC112445015	1	0	0	0	0	0	0	0	0	0	0.076333	0	0.015267	#DIV/0!
LOC112445016	1	0	0	0	0.021224	0	0	0	0	0.091595	0	0.004245	0.018319	4.315606
LOC112445017	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445019	1	0	0	0	0	0	0	0	0	0.031199	0	0	0.00624	#DIV/0!
LOC112445020	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445021	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445022	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445023	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445024	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445025	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445026	1	0	0.008897	0	0	0	0	0	0	0	0	0.001779	0	0
LOC112445027	1	0	0	0	0.007061	0	0	0	0	0	0	0.001412	0	0
LOC112445028	1	0	0	0	0.054146	0	0	0	0	0	0	0.010829	0	0
LOC112445029	1	35.41324	40.78867	24.49408	25.89597	52.30454	37.94276	79.96668	33.6701	35.72273	38.45284	35.7793	45.15102	1.261931
LOC112445030	1	11.31477	10.53557	12.53371	14.07519	4.096401	13.66474	12.19504	7.310593	11.45961	20.88875	10.51113	13.10375	1.246655
LOC112445031	1	71.27705	80.91166	35.21915	54.88092	118.1264	155.0848	99.82862	7.584081	18.34448	19.24238	72.08304	60.01686	0.832607
LOC112445033	1	0.725331	1.199426	0.905196	0.713714	0	0.677838	1.26606	1.472881	1.473095	1.593301	0.708733	1.296635	1.829511
LOC112445034	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445035	1	0.000742	0.002514	0	0.000889	0	0.011649	0.006306	0.01534	0.080547	0.050568	0.000829	0.032882	39.67076
LOC112445036	1	0.175113	0.019776	0.229464	0.283185	0	0.36657	0.148843	0.859883	0.090527	0	0.141508	0.293164	2.071722
LOC112445037	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445038	1	0.018635	0.017537	0.210273	0.037204	0	0	0	0	0	0	0.05673	0	0
LOC112445039	1	0.018859	0.039047	0.032035	0.021337	0.039805	0.087731	0.008906	0.002708	0.005416	0.013934	0.030217	0.023739	0.785626
LOC112445040	1	0.188956	0.198147	0.147383	0.105091	0.109878	0	0.114721	0.104646	0.976834	0.875015	0.149891	0.414243	2.763629
LOC112445041	1	37.34589	37.57663	133.3246	18.77913	4.625849	5.064307	11.49957	22.58571	55.41423	23.94406	46.33042	23.70158	0.511577

LOC112445042	1	0.762085	0.547009	0.64882	0.069628	0.175258	0.202792	0.082342	0.500737	0.400648	0.214719	0.44056	0.280248	0.636117
LOC112445043	1	0.085823	0.016153	0.109336	0.017134	0	0.374282	0.334343	0.443608	0.554591	0.606331	0.045689	0.462631	10.12558
LOC112445044	1	0.041581	0.125221	0.060541	0.033207	0	0	0.058905	0.035821	0	0.046081	0.05211	0.028162	0.540426
LOC112445045	1	0	0.014311	0	0	0	0	0	0	0.065513	0	0.002862	0.013103	4.577713
LOC112445046	1	0.051525	0	0	0	0	0	0.054744	0.066582	0.133183	0.72804	0.010305	0.19651	19.06935
LOC112445047	1	0	0	0	0	0	0	0.100021	0	0	0	0	0.020004	#DIV/0!
LOC112445048	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445049	1	0.338487	0.482645	0.851248	0.569298	0.148451	0.214717	0.116245	0.247418	1.148894	0.397853	0.478026	0.425025	0.889126
LOC112445050	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445051	1	0.021501	0	0	0.077267	0	0	0	0	0	0.071483	0.019753	0.014297	0.723748
LOC112445052	1	23.02806	22.87284	15.92413	18.02741	82.87664	188.6073	97.24092	121.0598	143.0338	117.5345	32.54582	133.4952	4.101764
LOC112445053	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445054	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445055	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445056	1	0	0	0	0	0	0.066953	0	0	0.132276	0.106335	0	0.061113	#DIV/0!
LOC112445057	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445058	1	0.11522	0.234214	0.050327	0.082813	0.125068	0	0	0.059556	0	0.229841	0.121528	0.057879	0.476263
LOC112445059	0.832139	0	0	0	0	0	0.747236	0.404546	0.246012	0.098419	0.031647	0	0.305572	#DIV/0!
LOC112445060	1	0.046329	0.082015	0.087508	0.038998	0.013592	0	0.007982	0.003236	0.045312	0.004163	0.053688	0.012139	0.226094
LOC112445061	1	0.084599	0	0	0	0	0	0	0	0	0	0.01692	0	0
LOC112445062	1	0.011966	0	0	0.035835	0	0	0	0	0	0.019892	0.00956	0.003978	0.416131
LOC112445063	1	0.297061	0.465935	0.072086	0.316309	0.403063	3.886549	3.191271	4.22256	1.79165	1.783221	0.310891	2.97505	9.569434
LOC112445064	1	0	0.023192	0	0	0	0	0	0.026538	0.053084	0.059743	0.004638	0.027873	6.009111
LOC112445065	1	0.018872	0.035521	0.109909	0.064053	0.051213	0	0	0	0	0	0.055913	0	0
LOC112445066	0.051707	0.216907	0.152519	0.071504	0.102952	0.288754	0	0	0	0	0	0.166527	0	0
LOC112445067	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445068	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445069	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445070	1	0	0.08924	0	0	0	0	0	0	0	0	0.017848	0	0
LOC112445071	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445073	1	0	0.002556	0.029654	0.024398	0	0	0	0	0.11699	0.011286	0.011322	0.025655	2.266056
LOC112445074	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445075	1	0.001329	0.003001	0	0.001592	0	0	0	0.006868	0.010303	0.008835	0.001184	0.005201	4.391934
LOC112445076	4.46E-06	0.13723	0.044278	0.08563	0.023484	0.159599	2.564888	2.957722	5.066609	9.22257	14.17614	0.090044	6.797585	75.49174
LOC112445077	1	0	0.409843	0	0	0	0	0	0	0	0	0.081969	0	0
LOC112445078	1	14.50493	12.31791	29.05001	24.10775	28.66137	31.6232	27.53056	19.3226	41.89379	65.63242	21.72839	37.20051	1.712069
LOC112445079	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445080	1	0.523144	0.472632	0.457011	0.313336	1.324999	0.365038	0.148221	0.090136	0.180298	0.086964	0.618224	0.174131	0.281664
LOC112445081	1	5.752904	6.77486	4.204335	6.355075	2.186823	2.92868	1.8551	0.404966	0.810051	3.795529	5.054799	1.958865	0.387526
LOC112445082	1	0.411153	0.354457	0.040087	0.031882	0.012452	0	0.019502	0.007116	0.018978	0.01373	0.170006	0.011865	0.069792
LOC112445083	1	0.001916	0.002164	0	0.002295	0	0	0	0	0	0.006369	0.001275	0.001274	0.999239
LOC112445084	0.049915	0.127436	0.143914	0.069579	0.228982	0.086455	6.252322	6.431383	7.986764	0.823498	0.264801	0.131273	4.351754	33.15035
LOC112445085	1	0	0.007326	0	0	0	0	0	0	0	0	0.001465	0	0
LOC112445086	1	0.01024	0	0	0	0	0	0	0	0	0	0.002048	0	0
LOC112445087	1	0	0.049881	0	0	0	0	0	0	0	0	0.009976	0	0
LOC112445088	1	0.009587	0.01392	0.005982	0.008203	0	0.057339	0.058205	0.088489	0.155764	0.113834	0.007538	0.094726	12.56581

LOC112445089	1	0.028322	0	0	0.012722	0.038428	0.12969	0.173024	0.430027	0.036603	0	0.015894	0.153869	9.680671
LOC112445090	0.823331	0.21162	0.141132	0.181957	0.283439	0.330091	0	0	0	0.043071	0.01939	0.229648	0.012492	0.054397
LOC112445091	1	0.088173	0.451014	0.135929	0.074557	0.084449	0.027143	0	0	0.992086	0.31039	0.166824	0.265924	1.594034
LOC112445092	1	0	0	0	0.004824	0	0	0	0	0.010408	0	0.000965	0.002082	2.157803
LOC112445093	0.160776	0.020115	0	0	0.008032	0	3.122991	1.624263	0.797127	0	0.100314	0.005629	1.128939	200.5424
LOC112445094	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445095	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445096	1	0.002259	0.00102	0.003453	0.001082	0	0.003546	0.00048	0.001168	0.011677	0.006008	0.001563	0.004576	2.92768
LOC112445097	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445098	1	0.022553	0.038204	0	0	0	0	0	0	0	0	0.012151	0	0
LOC112445099	1	0.155407	0.307128	0.05091	0.04654	0.189775	0.040665	0	0	0	0	0.149952	0.008133	0.054237
LOC112445100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445101	7.89E-09	0	0	0	0	0	8.267089	1.18109	1.209673	3.175853	7.659134	0	4.298568	#DIV/0!
LOC112445102	1	0	0	0	0	0	0	0	0	0	0.083588	0	0.016718	#DIV/0!
LOC112445103	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445104	1	0.054437	0	0.856001	0.378219	0.05909	0.028489	0.046271	0	0.084426	0.054296	0.269549	0.042696	0.158399
LOC112445105	1	0.019329	0.011906	0.010745	0.009683	0.001907	0.005517	0.008961	0.038147	0.021801	0.009347	0.010714	0.016755	1.563823
LOC112445106	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445107	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445108	1	0.003543	0.002667	0	0	0	0.012361	0.002509	0.006104	0.01221	0.011779	0.001242	0.008993	7.24027
LOC112445109	7.12E-15	0.091614	0.05173	0.200081	0.027436	0	52.37951	26.71918	45.46009	18.94446	6.85319	0.074172	30.07129	405.4246
LOC112445110	1	0	0.001307	0.002527	0.001386	0	0	0	0	0.008972	0.032696	0.001044	0.008334	7.98334
LOC112445111	0.0609	0.164243	0.483864	0.54585	0.230963	1.123946	0	0	0	0.036916	0	0.509773	0.007383	0.014483
LOC112445112	1	0	0	0.004123	0	0	0	0	0	0	0	0.000825	0	0
LOC112445113	1	0	0	0.108942	0	0	0	0	0	0	0	0.021788	0	0
LOC112445114	1	0	0.009519	0	0	0	0	0	0.014524	0	0.037367	0.001904	0.010378	5.451005
LOC112445115	1	0.002177	0.00123	0.002378	0	0	0	0	0	0	0.00181	0.001157	0.000362	0.312865
LOC112445116	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445117	1	0.046461	0.112809	0.314557	0.196187	0.044128	0.042551	0.004936	0	2.203733	2.004234	0.142829	0.851091	5.95883
LOC112445118	1	0.020668	0.042143	0.015046	0.016505	0.006232	0.006009	0.00854	0.007419	0.035615	0.048673	0.020119	0.021251	1.056283
LOC112445119	1	0.010989	0	0	0.487073	0	0.862667	0.163463	0	0.227245	1.169155	0.099612	0.484506	4.86391
LOC112445120	1	0	0	0.055729	0	0	0	0	0	0	0	0.011146	0	0
LOC112445122	1	0.118438	0.114645	0.240188	0.172278	0.137744	0.044273	0	0.043728	0.218672	0.520335	0.156659	0.165402	1.055809
LOC112445123	1	0.005129	0.001502	0.003734	0.003641	0.001031	0	0.002018	0.003437	0.014731	0.021158	0.003007	0.008269	2.749521
LOC112445124	1	0	0.007941	0	0	0	0	0	0	0	0	0.001588	0	0
LOC112445125	1	0	0	0	0	0	0	0	0.007261	0	0	0	0.001452	#DIV/0!
LOC112445126	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445127	1	0	0	0	0	0	0	0	0.103603	0	0	0	0.020721	#DIV/0!
LOC112445128	1	0	0.013746	0	0	0	0	0	0	0	0	0.002749	0	0
LOC112445129	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445131	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445132	1	0.001199	0	0	0	0	0	0	0	0.006197	0.04583	0.00024	0.010405	43.40331
LOC112445133	1	0.117872	0.022186	0	0	0	0.10281	0.041745	0.101544	0	0.130628	0.028011	0.075346	2.689813
LOC112445134	1	0.178402	0.128209	0	0.097139	0.572147	0	0	0.083831	0	0.02696	0.19518	0.022158	0.113528
LOC112445135	1	0.032104	0	0	0	0	0	0	0	0	0	0.006421	0	0

LOC112445136	1	0.001483	0	0	0	0	0	0.006304	0.0345	0.084346	0.01726	0.000297	0.028482	96.01224
LOC112445137	1	0.004789	0	0.041832	0	0	0	0.010176	0.061879	0	0.031841	0.009324	0.020779	2.228518
LOC112445138	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445139	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445140	1	0	0	0.014545	0	0	0	0	0	0	0	0.002909	0	0
LOC112445141	1	0.020868	0	0	0	0	0	0	0	0	0	0.004174	0	0
LOC112445142	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445143	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445144	1	0.036898	0	0.032233	0.044199	0.280358	0.888247	0.454752	0.343295	0.038149	0.184008	0.078738	0.381691	4.847621
LOC112445145	1	0.033359	0	0	0.05994	0.090524	0	0	0	0	0	0.036765	0	0
LOC112445146	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445148	1	0.326057	0	0	0	0	0	0	0	0	0	0.065211	0	0
LOC112445149	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445150	0.847462	0.417785	0.570557	0.403165	0.523739	0.580048	4.423655	11.08682	3.314553	2.410935	1.259786	0.499059	4.49915	9.015272
LOC112445151	1	0.014469	0	0	0	0	0	0	0	0	0	0.002894	0	0
LOC112445152	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445153	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445154	1	0.032119	0.03957	0	0.027982	0	0	0	0	0	0	0.019934	0	0
LOC112445155	1	0	0	0.460075	0.86128	0	0	0	0	0	0	0.264271	0	0
LOC112445156	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445157	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445158	1	0.161564	0.111253	0.051637	0.042484	0	0.247469	0.301448	0.437923	0.061114	0	0.073388	0.209591	2.855942
LOC112445159	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445160	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445161	1	0	0.007141	0.001151	0.005681	0.00286	0.002758	0.003359	0.001362	0.029965	0.010512	0.003367	0.009591	2.848942
LOC112445162	1	0	0	0.047473	0	0.058987	0	0	0	0	0	0.021292	0	0
LOC112445163	1	0.078856	0.044526	0.057406	0	0	0.481459	0.781971	0.611397	0.203829	0.065543	0.036158	0.42884	11.86026
LOC112445164	1	0	0	0	0.19778	0	0	0	0	0	0	0.039556	0	0
LOC112445165	1	0.023668	0	1.628262	1.46014	0	0	0	0	0	0	0.622414	0	0
LOC112445166	1	0	0	0.588053	7.821712	0	0	0	0	0	0	1.681953	0	0
LOC112445167	1	0	0.353981	0	0	0	0	0	0	0	0	0.070796	0	0
LOC112445168	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445169	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445170	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445171	1	0.100972	0.03801	0	0	0	0	0	0	0	0	0.027796	0	0
LOC112445172	1	0	0.153136	0	0	0	0	0	0	0	0	0.030627	0	0
LOC112445173	1	0	0.046975	0	0	0	0	0	0	0	0	0.009395	0	0
LOC112445174	1	0.004979	0.005248	0.000725	0.001193	0	0	0	0	0.006864	0.001104	0.002429	0.001594	0.656042
LOC112445175	1	0	0	0	0.107902	0	0	0	0	0.232831	0.411776	0.02158	0.128921	5.974016
LOC112445176	1	0.66481	0.868082	2.676975	1.169671	0.056377	0.108724	0.397318	0.268463	1.28881	1.036065	1.087183	0.619876	0.570167
LOC112445177	1	4.004906	3.297424	3.408874	4.983132	1.839049	6.244306	3.707424	2.916014	7.249165	2.666591	3.506677	4.5567	1.299435
LOC112445178	1	62.62647	49.83402	46.20805	38.76449	11.81523	56.04055	65.41381	110.6401	97.94203	77.89373	41.84965	81.58605	1.949504
LOC112445179	1	0	0	0	0	0	0	0	0	0	0.067188	0	0.013438	#DIV/0!
LOC112445180	1	0	0.12028	0	0	0	0	0	0	0.091768	0.029509	0.024056	0.024255	1.008285
LOC112445181	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445182	1	0.003974	0.003365	0.000723	0.000793	0	0	0	0	0.003424	0.003853	0.001771	0.001455	0.821718

LOC112445183	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445184	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445185	1	0.372821	0.052629	1.187415	0.632684	0	0	0	0	0	0.077469	0.44911	0.015494	0.034499
LOC112445186	1	0	0	0	0.021549	0	0	0	0	0	0	0.00431	0	0
LOC112445187	1	0.017172	0.005818	0	0.010285	0	0	0	0	0	0.008564	0.006655	0.001713	0.257362
LOC112445188	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445189	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445191	1	0.012677	0.014316	0.027686	0	0.034401	0	0.026938	0	0	0.010537	0.017816	0.007495	0.420683
LOC112445192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445193	1	0.207316	0.159415	0.090116	0.05243	0.04216	0.029725	0.024494	0.059149	0.082044	0.061094	0.110287	0.051301	0.465159
LOC112445194	1	0.242584	0.21766	0.14273	0.095536	0.174343	0	0.004708	0	0.06299	0.012889	0.174571	0.016117	0.092326
LOC112445195	1	0.09377	0	0.029256	0	0	0.140209	0.056931	0.103862	0.761765	0.244951	0.024605	0.261543	10.62957
LOC112445196	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445197	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445198	0.007096	0	0.036694	0	0.038923	0	2.550688	1.104731	1.67952	24.69253	0.594154	0.015123	6.124325	404.9547
LOC112445199	1	0.009762	0.019599	0.023689	0.027285	0.002943	0	0	0	0.011215	0.003606	0.016656	0.002964	0.177967
LOC112445200	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445201	1	0.013652	0.010278	0.011595	0.005451	0.006174	0	0.003223	0.00196	0	0.001261	0.00943	0.001289	0.136673
LOC112445202	1	0.08697	0.064615	0.109964	0.021933	0.024843	0.239548	0.136173	0.124214	0	0	0.061665	0.099987	1.621454
LOC112445203	1	0.001489	0	0	0	0.001347	0	0.001055	0	0	0	0.000567	0.000211	0.371906
LOC112445204	1	0.002609	0.001875	0.033146	0.019885	0.004505	0.002482	0.006551	0.009806	0.152014	0.068591	0.012404	0.047889	3.860877
LOC112445205	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445206	1	0	0.072635	0	0	0	0	0	0	0	0	0.014527	0	0
LOC112445207	1	0.00191	0.006472	0	0.002288	0.010367	0.019993	0	0	0	0.003175	0.004207	0.004634	1.101318
LOC112445208	1	0.069908	0.056992	0.112023	0.082256	0.006735	0.205657	0.06153	0.153947	0.682169	0.274367	0.065583	0.275534	4.201311
LOC112445209	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445210	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445211	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445212	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445213	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445214	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445215	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445216	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445217	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445218	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445219	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445220	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445221	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445222	1	1.690279	2.545123	0	0	0	0	0	0	0	0	0.84708	0	0
LOC112445223	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445224	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445225	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445226	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445227	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445228	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112445229	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445230	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445231	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445232	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445233	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445234	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445235	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445236	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445237	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445238	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445239	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445240	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445241	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445242	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445243	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445244	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445245	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445246	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445247	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445248	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445249	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445250	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445251	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445252	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445253	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445255	1	0	1.002017	0	0	0	0	0	0	0	0	0.200403	0	0
LOC112445256	1	0	0	0	0	0	0	0	0	0	0.484032	0	0.096806	#DIV/0!
LOC112445257	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445258	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445259	1	0.507591	0	0	0	0	0	0	0	0	0	0.101518	0	0
LOC112445260	1	0	0	0	0	0	2.250836	0	0.37052	0	0	0	0.524271	#DIV/0!
LOC112445261	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445262	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445263	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445264	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445265	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445266	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445267	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445268	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445269	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445270	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445271	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445272	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445273	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112445275	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445276	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445277	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445278	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445279	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445280	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445281	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445282	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445283	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445284	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445285	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445286	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445288	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445289	1	0	0	0	0	0	0	0	0	0.907387	0	0	0.181477	#DIV/0!
LOC112445290	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445291	1	0	0	0	0	0	0	0	0	0.907387	0	0	0.181477	#DIV/0!
LOC112445292	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445293	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445294	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445295	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445296	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445297	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445298	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445299	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445300	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445301	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445302	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445303	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445304	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445305	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445306	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445307	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445308	1	0	1.982183	0	0.841028	0	0	0	0	0	0	0.564642	0	0
LOC112445309	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445310	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445311	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445312	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445313	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445854	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445855	9.22E-19	0	0	0	0	0	7.152077	1.949153	2.622064	4.837753	5.067296	0	4.325669	#DIV/0!
LOC112445856	1	0	0	0.031479	0	0	0	0	0	0	0	0.006296	0	0
LOC112445857	1	0.056197	0.025385	0	0	0	0	0	0	0	0	0.016316	0	0
LOC112445858	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445859	1	0	0	0.104634	0	0	0	0	0	0	0.039822	0.020927	0.007964	0.380578
LOC112445860	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112445861	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445862	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445863	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445864	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445866	1	0	0.020532	0	0	0	0	0	0	0	0	0.004106	0	0
LOC112445867	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445868	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445869	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445870	1	0.023476	0	0	0	0	0.068255	0.0388	0.060673	0.02697	0.013008	0.004695	0.041541	8.847506
LOC112445871	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445872	1	0	0.038284	0	0	0	0	0	0	0	0	0.007657	0	0
LOC112445873	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445874	1	0	0	0.091657	0	0	0.109817	0	0	0	0.034883	0.018331	0.02894	1.578705
LOC112445875	1	0.00633	0.005542	0.002175	0.001704	0.000386	0.000372	0.001965	0.001654	0.003677	0.001419	0.003227	0.001817	0.563119
LOC112445876	1	0.014026	0	0	0	0	0	0	0	0	0.046632	0.002805	0.009326	3.324667
LOC112445877	1	0.002653	0	0	0	0	0.005554	0.002255	0.002743	0.002743	0.005292	0.000531	0.003717	7.005816
LOC112445878	1	0.003837	0.005778	0.00838	0.022983	0	0.013388	0.01359	0.033057	0.152086	0.053157	0.008196	0.053056	6.473532
LOC112445879	1	0	0.001324	0	0.001404	0.006361	0	0	0.006058	0	0.017535	0.001818	0.004719	2.595884
LOC112445880	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445881	1	0.00434	0.003921	0.009478	0.014556	0	0.036338	0	0	0	0.004329	0.006459	0.008133	1.259251
LOC112445882	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445883	1	0.003946	0.004457	0	0	0	0	0	0	0	0	0.001681	0	0
LOC112445884	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445885	1	0	0	0	0	0	0	0	0	0.295107	0	0	0.059021	#DIV/0!
LOC112445886	1	0.002585	0.00584	0.011293	0.006194	0	0	0	0	0	0	0.005182	0	0
LOC112445887	1	0.00316	0.002855	0.00138	0.003786	0	0	0	0	0.016337	0.002101	0.002236	0.003688	1.649055
LOC112445888	1	0	0.002967	0.011476	0	0	0	0	0	0	0	0.002889	0	0
LOC112445889	1	0.000849	0.001917	0	0.001017	0	0.004441	0	0.002193	0.013161	0.028214	0.000756	0.009602	12.69456
LOC112445890	1	0.123288	0.13923	0.201942	0.1723	0.641246	0.537672	0.109159	0.026553	0	0.051236	0.255601	0.144924	0.566992
LOC112445891	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445892	1	0.007434	0.005597	0	0	0	0	0	0	0	0	0.002606	0	0
LOC112445893	1	0	0.002789	0.003595	0.000986	0	0	0	0	0	0.001368	0.001474	0.000274	0.185658
LOC112445894	1	0	0	0	0	0	0	0.009159	0	0	0.003582	0	0.002548	#DIV/0!
LOC112445895	1	0	0	0.04051	0.003703	0	0	0	0	0	0	0.008843	0	0
LOC112445896	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445897	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445898	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445899	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445900	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445901	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445902	0.276603	0.002165	0.002445	0.004728	0.002593	0	0.045319	0.050604	0.095118	0.033576	0.25192	0.002386	0.095308	39.93997
LOC112445903	1	0.012235	0	0	0.007328	0	0	0	0	0	0	0.003913	0	0
LOC112445904	1	0	0.032341	0.012509	0	0	0	0	0	0	0	0.00897	0	0
LOC112445905	1	0	0.011276	0	0	0	0	0	0.077413	0	0	0.002255	0.015483	6.865571
LOC112445906	1	0.045673	0.020632	0	0	0	0.047805	0.116464	0.11804	0	0	0.013261	0.056462	4.257734

LOC112445907	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445908	1	0.003875	0.003501	0.133726	0.090061	0.002103	0.004056	0	0	0.040069	0.267995	0.046653	0.062424	1.338038
LOC112445909	1	0	0.023281	0	0	0	0	0	0	0	0	0.004656	0	0
LOC112445910	1	0.028761	0	0	0	0	0	0	0	0	0	0.005752	0	0
LOC112445911	1	0	0.008804	0	0	0	0	0	0	0	0	0.001761	0	0
LOC112445912	1	0.363034	0.477727	0.497213	0.447776	0.61781	0.032201	0.104601	0.107341	0.087476	0.0895	0.480712	0.084224	0.175206
LOC112445913	1	0.038793	0.098572	0.137675	0.156838	0.026318	0	0	0	0	0	0.091639	0	0
LOC112445914	1	0.005585	0	0	0	0	0	0	0	0.038497	0.055706	0.001117	0.018841	16.86685
LOC112445915	1	0	0	1.933447	1.780105	0	0	0	0	0	0.052559	0.742711	0.010512	0.014153
LOC112445916	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445917	1	0	0	0	0	0	0	0.034553	0	0	0	0	0.006911	#DIV/0!
LOC112445918	1	0	0.021956	0	0	0	0	0	0	0	0	0.004391	0	0
LOC112445919	1	0.046315	0	0.202302	0	0	0	0	0	0	0.076992	0.049723	0.015398	0.309679
LOC112445920	1	0.021951	0.011268	0.008716	0.007171	0	0	0	0.002579	0.036106	0.009952	0.009821	0.009727	0.990443
LOC112445921	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445922	1	0	0	0	0.033933	0	0	0	0	0	0	0.006787	0	0
LOC112445923	1	0.042554	0.029719	0	0	0.001519	0	0.013088	0.018812	0	0	0.014759	0.00638	0.432292
LOC112445924	1	0.302004	0.298423	0.302301	0.414527	0.40977	0.065854	0.133697	0	0	0.125508	0.345405	0.065012	0.188219
LOC112445925	1	0.003475	0.008633	0	0	0	0	0	0	0	0	0.002421	0	0
LOC112445926	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445927	1	0.009358	0	0	0	0	0	0	0	0	0	0.001872	0	0
LOC112445928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445929	1	0.005317	0.007005	0	0	0	0	0.003766	0	0	0	0.002465	0.000753	0.305635
LOC112445930	1	0.008601	0	0.006262	0.006869	0	0	0	0	0	0	0.004346	0	0
LOC112445931	1	0.167227	0.169481	0.168562	0.097592	0.127995	0	0	0.011082	0.022167	0.032075	0.146171	0.013065	0.08938
LOC112445932	1.53E-07	0.802602	0.906383	0.920247	0.552823	0.1089	1024.238	171.8706	120.723	17.94512	3.035286	0.658191	267.5624	406.5118
LOC112445933	1	0	0	0	0	0.289164	0	0	0	0	0	0.057833	0	0
LOC112445934	1	0	0.042166	0	0	0	0	0	0	0	0	0.008433	0	0
LOC112445935	1	0.003214	0.001815	0.001755	0.001925	0	0	0	0	0.016617	0	0.001742	0.003323	1.907904
LOC112445936	1	0.001104	0	0.004822	0.001322	0.002996	0	0.009383	0.008559	0.022827	0.009175	0.002049	0.009989	4.875631
LOC112445937	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445938	1	0.066653	0	0	0.012284	0	0	0	0	0	0	0.015787	0	0
LOC112445939	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445940	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445941	1	0.079314	0.153015	0	0	0.26904	0	0	0	0	0	0.100274	0	0
LOC112445942	1	0.304441	0.118554	0	0	0.484297	0	0	0	0	0	0.181459	0	0
LOC112445943	6.54E-18	2.744988	4.014013	5.520987	7.391434	7.512662	0	0	0	0.030322	0	5.436817	0.006064	0.001115
LOC112445944	1	0.341395	0.512485	0.390982	0.219439	0.146874	0.174305	0.132704	0.09684	0.021523	0.006921	0.322235	0.086459	0.268309
LOC112445945	1	0.253484	0.104095	0.033551	0.018403	0.041689	0	0	0	0	0	0.090245	0	0
LOC112445946	1	0	0	0.049767	0	0	0	0	0	0	0	0.009953	0	0
LOC112445947	1	0.018677	0.003013	0.005827	0	0	0.027926	0.00567	0.006896	0.082759	0.004435	0.005503	0.025537	4.640257
LOC112445948	1	0.040195	0.041609	0.065837	0.068211	0	0	0	0	0	0.005568	0.04317	0.001114	0.025796
LOC112445949	1	0.007612	0.008596	0	0	0	0.031867	0	0.019672	0.401362	0.139183	0.003241	0.118417	36.53166
LOC112445950	1	0.05573	0	0	0	0	0	0	0	0	0	0.011146	0	0
LOC112445951	1	0	0.015007	9.702773	11.30181	0.04808	0	0	0.034343	1.442616	0.758413	4.213534	0.447074	0.106104
LOC112445952	0.867944	0.554827	0.689226	0.363516	0.465236	1.355055	0	0	0	0	0	0.685572	0	0

LOC112445953	1	0.024032	0.003392	0.013121	0.003598	0.032607	0.031442	0	0	0.093177	0.084891	0.01535	0.041902	2.729733
LOC112445954	1	1.142457	5.318073	3.286205	1.134889	0.756159	0.291651	0.355268	0	0.432153	0.092641	2.327557	0.234343	0.100682
LOC112445955	1	0	0.035556	0	0.037716	0	0	0	0	0.325533	0	0.014654	0.065107	4.442797
LOC112445956	1	0.012473	0.011862	0.015771	0.003932	0.003563	0.013743	0.006975	0.016967	0.037332	0.038196	0.00952	0.022642	2.378319
LOC112445957	1	0	0.012972	0	0	0	0	0	0	0.029691	0.085927	0.002594	0.023124	8.912838
LOC112445958	1	0	0	0	0	0	0	0	0	0.026725	0	0	0.005345	#DIV/0!
LOC112445959	1	0.021557	0.006351	0.055268	0.016841	0.005087	0	0.003983	0.004845	0.038762	0.038951	0.021021	0.017308	0.823394
LOC112445960	1	0.00297	0.010061	0	0	0	0	0	0	0	0.004937	0.002606	0.000987	0.378843
LOC112445961	1	0.017904	0	0	0	0	0	0	0	0	0	0.003581	0	0
LOC112445962	1	0	0	0	0.051306	0.029057	0	0.045506	0.166037	0	0	0.016072	0.042309	2.632366
LOC112445963	1	0	0.001186	0	0	0	0	0	0	0	0	0.000237	0	0
LOC112445964	1	0.064272	0.053083	0.029331	0.060903	0.088508	0.100405	0.089691	0.074377	0.069428	0.02392	0.059219	0.071564	1.208456
LOC112445965	1	0.101793	0.13651	0.069473	0.221012	0.414351	0.06659	0.027038	0.049327	0	0.042304	0.188628	0.037052	0.196428
LOC112445966	1	0.001897	0.002143	0	0	0	0	0	0	0	0	0.000808	0	0
LOC112445967	1	0.020554	0.025146	0.022444	0.018466	0.004648	0.457147	1.05185	0.008853	0	0.014236	0.018251	0.306417	16.78866
LOC112445968	1	0.089646	0	0	0	0	32.37121	10.85814	1.969327	0	0	0.017929	9.039735	504.1895
LOC112445969	1	0.002913	0.004934	0	0	0	0	0	0	0	0	0.001569	0	0
LOC112445970	1	0.016844	0.152175	0.257504	0.181594	0	0	0.071585	0.087064	0.348306	0.14	0.121623	0.129391	1.063867
LOC112445971	1.96E-19	0	0	0.067684	0.222748	0	36.33032	34.57413	37.0844	46.94303	26.32585	0.058086	36.25155	624.0973
LOC112445972	1	0.055033	0.066349	0.420668	0.301558	0.063571	0	0.00237	0.000961	1.526318	0.856734	0.181436	0.477277	2.630552
LOC112445973	1	0	0.005229	0.192124	0.149749	0	0	0.00328	0	0	0	0.06942	0.000656	0.009448
LOC112445974	1	0	0	0.056536	0	0	0	0	0	0	0	0.011307	0	0
LOC112445975	1	0.006836	0.001103	0	0	0.00265	0	0.006225	0	0	0	0.002118	0.001245	0.587924
LOC112445976	1	0.003207	0.005015	0.002694	0.004433	0.001339	0.003873	0.013107	0.03507	0.090556	0.122628	0.003338	0.053047	15.89299
LOC112445977	1	0.044921	0.004612	0.017837	0.01223	0.011082	0.160285	0.021694	0.031662	0.073889	0.010183	0.018136	0.059543	3.283081
LOC112445978	1	0	0	0.028763	0	0	0	0.006997	0	0.051064	0.005473	0.005753	0.012707	2.208853
LOC112445979	0.266282	0.075398	0.139332	0.089818	0.131372	0.037201	2.224001	1.267165	1.045164	0.602385	0.717834	0.094624	1.17131	12.37857
LOC112445980	1	3.123759	1.320174	1.381175	0.803482	0.260026	6.017541	4.23518	8.469406	12.48305	8.665168	1.377723	7.974068	5.787859
LOC112445981	1	0.011544	0.00163	0.007353	0	0.007831	0	0.004088	0.004972	0.009946	0.006396	0.005672	0.005081	0.895809
LOC112445982	0.203286	0.393898	0.371412	0.300672	0.17408	0.280199	0.040027	0	0.019767	0	0	0.304052	0.011959	0.039332
LOC112445983	1	0.039025	0	0.042615	0	0	0	0	0	0	0	0.016328	0	0
LOC112445984	0.640465	0.161276	0.104074	0.060056	0.097041	0.068572	0	0.012634	0	0.015368	0.003706	0.098204	0.006342	0.064578
LOC112445985	1	0.042628	0.004585	0.119699	0.009727	0.044068	0	0	0.020985	0	0.023621	0.044141	0.008921	0.202104
LOC112445986	1	0.015281	0.009587	0.096414	0.07051	0.009215	0.005924	0.003608	0.001463	0	0.001882	0.040202	0.002575	0.064059
LOC112445987	1	0	0	0	0	0	0	0.010658	0	0	0	0	0.002132	#DIV/0!
LOC112445988	1	0	0.027438	2.387777	2.561164	0	0	0	0	1.632826	5.65435	0.995276	1.457435	1.464353
LOC112445989	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112445990	1	0.086541	0.106543	0.041828	0.026342	0.026949	0	0.006029	0.007333	0.029337	0.011792	0.057641	0.010898	0.189072
LOC112445991	1	0.017312	0.039101	0.023267	0.015952	0.046979	0	0.00283	0.006883	0	0.002214	0.028522	0.002385	0.083632
LOC112445992	1	0	0	0	0	0	0.720576	0.058517	0.07117	0	0	0	0.170053	#DIV/0!
LOC112445993	1	0.071161	0.025716	0.031083	0.034097	0.115865	0	0	0	0	0.075708	0.055584	0.015142	0.272407
LOC112445994	0.470194	0.209791	0.25752	0.119524	0.371498	0.594057	0	0.019382	0	0	0.015163	0.310478	0.006909	0.022253
LOC112445995	1	0.006068	0.116497	0	0	0	0.444592	0.038683	0	0.06274	0.040349	0.024513	0.117273	4.784092
LOC112445996	0.02939	0.055292	0	0	0	0	0.192908	0.665793	0.523964	3.430081	4.503781	0.011058	1.863305	168.4966
LOC112445997	1	0.013647	0.002831	0.025547	0.046375	0.01436	0	0	0.00072	0.00288	0.004167	0.020552	0.001553	0.075577
LOC112445998	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112445999	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446000	1	0.033703	0.028546	0.036803	0	0.022865	0.088189	0	0	0	0	0.024383	0.017638	0.723359
LOC112446001	1	0.103979	0.071759	0.016057	0.012267	0.009441	0.025421	0.015065	0.016117	0.02104	0.012658	0.0427	0.01806	0.42295
LOC112446002	0.014954	0.260577	0.861017	0.484781	0.763019	0.157138	0	0	0	0	0	0.505307	0	0
LOC112446003	1	0.011094	0.008353	0.008077	0.011075	0.010035	0	0	0	0.019118	0.009221	0.009727	0.005668	0.582705
LOC112446004	1	0.658978	0.403102	0.179898	0.065782	0.149021	0.143694	0	0	0.85167	0.091287	0.291356	0.21733	0.745926
LOC112446005	1	0.010223	0	0	0	0	0.021399	0	0.015852	0	0	0.002045	0.00745	3.643997
LOC112446006	1	0	0	0	0	0	0	0	0	0	0.004531	0	0.000906	#DIV/0!
LOC112446007	0.863363	0.131367	0.242051	0.145967	0.317488	0.250166	0.024122	0	0.029782	0	0.003831	0.217408	0.011547	0.053112
LOC112446008	1	0.002424	0.005474	0.001323	0.002178	0	0	0.003863	0.002349	0.006265	0.013095	0.00228	0.005114	2.243298
LOC112446009	1	0.020317	0.00478	0	0	0.009189	0	0	0	0	0	0.006857	0	0
LOC112446010	1	0.098115	0.060018	0	0	0.244065	0	0.017374	0	0	0	0.08044	0.003475	0.043198
LOC112446011	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446012	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446013	1	0.107713	0.150835	0.743363	0.536761	0.163687	0	0.045777	0.089081	0.69048	0.444057	0.340472	0.253879	0.745668
LOC112446014	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446015	1	0.138095	0.241015	0.644313	0.345884	0.102203	0.03285	0.280106	0.989581	0.16225	0.135649	0.294302	0.320087	1.087614
LOC112446016	1	0.04643	0.061172	0.050701	0.157584	0.251991	0.121491	0	0.019999	0	0.012864	0.113576	0.030871	0.271809
LOC112446017	1	0.002713	0.001532	0	0	0	0	0	0	0	0	0.000849	0	0
LOC112446018	1	0.001242	0.007012	0.005424	0.001488	0	0	0	0.006419	0	0	0.003033	0.001284	0.423251
LOC112446019	1	0.000866	0.001956	0.024581	0.017631	0	0	0	0	0.004476	0.007196	0.009007	0.002334	0.259185
LOC112446021	1	0.010961	0.024756	0.059843	0.01313	0.044615	0.05736	0.023291	0.014163	0.056662	0	0.030661	0.030295	0.988076
LOC112446022	1	3.309558	2.301991	2.826151	2.743598	4.568216	1.198616	2.360437	2.269058	2.387791	2.132104	3.149903	2.069601	0.657037
LOC112446023	1	0.037487	0.096764	0.43274	0.07698	0	0.112103	0.022759	0.193765	0.747488	0.222556	0.128794	0.259734	2.016662
LOC112446024	1	0.118353	0.103106	0	0	0.055058	0.654771	0.165267	0.393269	0	0	0.055303	0.242661	4.387826
LOC112446025	1	0.041164	0	0	0	0	0	0	0.053192	0	0	0.008233	0.010638	1.292222
LOC112446026	1	0.046334	0	0	0	0.083824	0	0	0	0	0	0.026032	0	0
LOC112446027	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446028	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446029	1	0.231033	0.250563	0.35342	0.325521	0.414283	0.015979	0.108135	0.149931	0.099968	0.104896	0.314964	0.095782	0.304104
LOC112446030	1	0	0	0.018858	0.020687	0	0	0	0	0.02232	0.208134	0.007909	0.046091	5.827538
LOC112446031	1	0.004701	0	0	0	0	0	0	0	0	0	0.00094	0	0
LOC112446033	1	0.109387	0.070154	0.070785	0.080886	0.1246	0	0	0	0.013963	0.069592	0.091162	0.016711	0.183311
LOC112446034	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446035	1	0.260946	0.286502	0.189965	0.138927	0.11802	0.075868	0.092416	0.149867	0	0	0.198872	0.06363	0.319955
LOC112446036	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446037	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446038	1	0	0	0	0	0.003768	0	0	0	0	0	0.000754	0	0
LOC112446039	1	0.007003	0.003163	0	0	0.003801	0	0	0	0	0	0.002793	0	0
LOC112446040	1	0.00388	0	0	0	0	0	0	0	0	0	0.000776	0	0
LOC112446041	1	0	0.012815	0	0	0	0	0	0	0	0	0.002563	0	0
LOC112446042	1	0.425177	0.078775	1.233258	0.063665	0.018028	0.034767	0	0	0	0.027609	0.363781	0.012475	0.034293
LOC112446043	1	0.001311	0.001481	0.011453	0.007853	0	0	0	0	0	0	0.004419	0	0
LOC112446044	1	0	0	0	0.011121	0.025193	0	0	0	0	0	0.007263	0	0
LOC112446045	1	0	0.053593	0	0	0	0	0	0	0	0	0.010719	0	0
LOC112446046	0.00717	2.019012	1.239508	0.355123	0.762902	0.2574	0	0	0	0	0	0.926789	0	0

LOC112446047	1	0	0	0.023614	0.012952	0	0	0	0	0	0	0.007313	0	0
LOC112446048	2.05E-05	0.41417	1.044731	0.380411	0.774337	1.575592	0	0.024675	0	0	0	0.837848	0.004935	0.00589
LOC112446049	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446051	1	0	0.097291	0	0	0.116893	0	0	0	0	0	0.042837	0	0
LOC112446052	1	0	0.119602	0.308396	0.169154	0	1.662742	1.275269	1.003608	0.365001	0.058684	0.11943	0.873061	7.310205
LOC112446053	0.014244	0.31832	0.394724	0.381678	0.246732	0.220188	0	0	0	0	0.020751	0.312328	0.00415	0.013288
LOC112446054	1	0	0	0.043017	0	0	0	0	0	0	0	0.008603	0	0
LOC112446055	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446056	1	0.103381	0.038916	0	0	0	0	0	0	0	0	0.028459	0	0
LOC112446057	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446058	1	0.031301	0.035349	0	0	0	0	0	0	0.161817	0	0.01333	0.032363	2.427851
LOC112446059	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446060	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446061	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446062	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446063	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446064	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446065	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446066	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446067	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446068	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446069	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446070	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446071	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446072	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446073	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446074	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446075	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446076	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446077	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446078	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446079	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446080	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446081	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446082	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446083	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446084	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446085	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446086	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446087	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446088	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446089	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446090	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446091	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446092	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446093	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112446094	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446095	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446096	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446097	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446098	1	0.313015	0	0	0	0	0	0	0	0	0	0.062603	0	0
LOC112446099	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446101	1	0	0	0	0	0	0	0.295618	0	0	0	0	0.059124	#DIV/0!
LOC112446102	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446103	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446104	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446105	1	0	1.073892	0	0	0	0	0	0	0	0	0.214778	0	0
LOC112446106	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446107	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446108	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446109	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446110	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446111	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446112	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446113	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446114	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446115	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446116	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446117	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446118	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446119	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446120	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446121	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446123	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446125	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446126	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446127	1	0.954225	0.587788	2.08399	1.818505	0.47081	0	0	0	0	0.432611	1.183063	0.086522	0.073134
LOC112446128	1	1.145176	0	0	0	0	0	0	0	0	0	0.229035	0	0
LOC112446129	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446131	1	0.229035	0	0	0	0	0	0	0	0	0.190366	0.045807	0.038073	0.831167
LOC112446132	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446133	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446134	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446135	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446136	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446137	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446138	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446139	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112446140	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446142	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446143	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446144	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446145	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446146	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446147	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446148	1	0	0	0.485405	0	0	0	0	0	0	0	0.097081	0	0
LOC112446149	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446150	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446151	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446152	1	0.16052	0	0	0	0	0	0	0	0	0	0.032104	0	0
LOC112446153	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446154	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446155	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446156	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446157	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446158	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446159	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446160	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446161	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446162	1	0	0.198218	0	0.420514	0	0	0	0	0	0	0.123746	0	0
LOC112446163	1	0	0.396437	0	0	0	0	0	0	0	0	0.079287	0	0
LOC112446164	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446320	1	0.083719	0.015757	0	0.003343	0	0	0	0	0	0	0.020564	0	0
LOC112446321	1	0.060486	0.034154	0	0.072456	0	0.949628	0	0	0	0	0.033419	0.189926	5.683156
LOC112446322	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446323	1	0	0.001608	0	0	0	0	0	0	0	0	0.000322	0	0
LOC112446324	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446325	1	0.055647	0	0	0	0	0	0	0	0	0	0.011129	0	0
LOC112446326	1	0.001367	0	0.002985	0	0	0	0	0	0	0	0.00087	0	0
LOC112446327	8.94E-14	0.008151	0	0	0	0	2.559544	3.083203	3.1179	3.286913	3.116589	0.00163	3.03283	1860.307
LOC112446328	1	0.234305	0.176402	0.068229	0.074846	0.127166	4.550553	2.63327	0	0	0	0.136189	1.436765	10.54975
LOC112446329	1	0.000884	0.000998	0.00193	0	0	0	0	0	0.009138	0.036731	0.000762	0.009174	12.03209
LOC112446330	1	0	0.018803	0	0	0	0	0	0	0	0	0.003761	0	0
LOC112446331	1	0	0.024741	0.011962	0	0	0	0	0	0	0	0.007341	0	0
LOC112446332	1	0.005046	0.002137	0.008264	0.009822	0	0.006601	0.00134	0	0.009781	0	0.005054	0.003545	0.701385
LOC112446333	1	0.006764	0.005092	0.007386	0	0	0.047196	0	0.002913	0.011656	0.033731	0.003848	0.019099	4.962905
LOC112446334	1	0	0.012251	0	0	0	0	0	0	0	0	0.00245	0	0
LOC112446335	1	0	0	0.019705	0.005404	0	0	0	0	0	0	0.005022	0	0
LOC112446336	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446337	1	0.001675	0.001891	0.007315	0.002006	0	0.035055	0.014234	0.008656	0.069257	0.005568	0.002577	0.026554	10.30312
LOC112446338	1	0	0	0	0	0	0.228043	0.138892	0.112617	0.225268	0.760582	0	0.293081	#DIV/0!
LOC112446339	1	0	0	0	0	0.020879	0	0	0	0	0	0.004176	0	0
LOC112446340	1	0.00325	0	0	0	0	0	0	0	0	0	0.00065	0	0

LOC112446341	1	0	0.03119	0	0	0	0	0	0	0	0	0.006238	0	0
LOC112446342	1	0.0277	0.031282	0.302483	0.066364	0	0	0	0	0	0	0.085566	0	0
LOC112446343	1	0.220627	0.186867	0	0.099108	0	0	0	0	0	0	0.10132	0	0
LOC112446344	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446345	1	0.027631	0.008915	0.008621	0	0	0	0	0	0	0	0.009033	0	0
LOC112446346	1	0	0	0	0.054342	0	0	0	0	0	0	0.010868	0	0
LOC112446347	1	0.52377	0.337998	4.453009	2.442458	0.812193	0.685264	0.397494	1.595376	8.413208	8.115979	1.713885	3.841465	2.241378
LOC112446348	1	0.025431	0	0	0	0	0	0	0	0	0	0.005086	0	0
LOC112446349	0.668264	0.014343	0.048592	0.116347	0.063816	0.050042	0	0	0	0	0	0.058628	0	0
LOC112446350	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446351	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446352	1	0.001758	0	0	0	0	0	0	0	0	0	0.000352	0	0
LOC112446353	1	0.012371	0.015523	0	0.003293	0.00746	0	0	0	0	0.002285	0.00773	0.000457	0.059124
LOC112446355	1	0.026502	0.014964	0.021222	0.055027	0.04315	0.009246	0.01314	0.025114	0.0137	0.035244	0.032173	0.019289	0.599535
LOC112446356	1	0.054651	0.046906	0.019097	0.011129	0.011864	0.00286	0	0.001412	0.002825	0.013627	0.028729	0.004145	0.144277
LOC112446357	1	0.008969	0.009646	0.069257	0.030825	0.003477	0.008382	0.005218	0.064848	0.178842	0.200213	0.024435	0.091501	3.744672
LOC112446358	1	0.004276	0.001207	0	0	0	0	0	0	0	0	0.001097	0	0
LOC112446359	1	0	0.005402	0	0	0	0	0	0	0	0	0.00108	0	0
LOC112446360	1	0.014495	0	0	0	0	0	0	0	0	0	0.002899	0	0
LOC112446361	1	0.009213	0.010404	0	0	0	0	0	0	0	0	0.003923	0	0
LOC112446362	1	0	0	0.087316	0	0	0	0	0	0	0	0.017463	0	0
LOC112446363	1	0.00167	0	0	0	0	0	0.003548	0	0	0	0.000334	0.00071	2.12495
LOC112446364	1	0	0	0	0	0.031853	0	0	0	0	0.039025	0.006371	0.007805	1.225155
LOC112446365	1	0	0	0	0	0	0	0.01032	0.012552	0	0	0	0.004574	#DIV/0!
LOC112446366	1	0.009585	0.070355	0	0	0.026009	0.050159	0	0	0	0	0.02119	0.010032	0.473426
LOC112446367	1	0.008161	0.001536	0	0	0	0	0.007225	0.024606	0	0	0.001939	0.006366	3.282715
LOC112446368	1	0	0.005526	0	0	0	0	0	0.031617	0	0	0.001105	0.006323	5.721309
LOC112446369	1	0.002894	0.003269	0	0	0	0	0	0	0	0	0.001233	0	0
LOC112446370	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446371	1	0.061176	0.023029	0	0	0	1.067172	1.299949	0.948628	0	0	0.016841	0.66315	39.3775
LOC112446373	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446374	1	0.000759	0.002999	0	0	0	0.029785	0.013706	0.037263	0	0.012615	0.000752	0.018674	24.84362
LOC112446375	1	0.497937	0.366732	0.378252	0.635376	0.411246	0.453194	0.069006	0.139879	0.279799	0.053983	0.457909	0.199172	0.434961
LOC112446376	1	0	0	0	0	0	0	0.027986	0	0	0	0	0.005597	#DIV/0!
LOC112446377	1	0	0	0	0.01326	0	0	0	0	0	0	0.002652	0	0
LOC112446378	1	0.002919	0.013184	0	0	0	0	0	0.022628	0	0	0.00322	0.004526	1.405296
LOC112446379	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446380	1	0.017318	0.007179	0.01149	0.004464	0.005354	0.003442	0.001397	0.005099	0.009066	0.007653	0.009161	0.005331	0.581956
LOC112446381	1	0.094437	0.101179	0.703355	0.359682	0.065711	0.012672	0	0	0.037554	0.028177	0.264873	0.015681	0.059201
LOC112446382	1	0.005904	0.002667	0	0.005658	0	0	0.005018	0	0.018313	0.009815	0.002846	0.006629	2.329464
LOC112446383	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446384	1	0.002028	0.00458	0.008857	0	0	0	0	0.005241	0	0	0.003093	0.001048	0.338875
LOC112446385	1	0.010737	0.008715	0.002931	0.010451	0.025496	0.038633	0.063459	0.056368	0.027754	0.004462	0.011666	0.038135	3.268881
LOC112446386	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446387	1	0.001787	0.008747	0	0	0	0.012472	0.011394	0.021557	0	0	0.002107	0.009085	4.311983
LOC112446388	1	0.157115	0.088716	7.328351	12.15954	0.334996	0.029366	0.13116	0.348047	3.103875	3.749769	4.013744	1.472443	0.36685

LOC112446389	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446390	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446391	0.165604	0.59931	0.626044	0.343578	0.296138	0.609874	0	0	0	0.077455	0	0.494989	0.015491	0.031296
LOC112446392	1	0.028243	0.074248	0.043481	0.031614	0.015077	0.033923	0.010822	0.028719	0	0.007697	0.038533	0.016232	0.421255
LOC112446393	1	0.030613	0.120999	0.083571	0.073341	0.041536	0	0	0	0	0.012722	0.070012	0.002544	0.036343
LOC112446394	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446395	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446396	1	0	0.003657	0	0	0	0	0	0	0	0	0.000731	0	0
LOC112446397	1	0.033988	0.076766	0.222686	0.087245	0.013176	0	0.010318	0.012549	0	0.024214	0.086772	0.009416	0.108515
LOC112446398	1	0.003265	0.004793	0.002139	0.000391	0	0.003417	0.002081	0.005906	0.17384	0.098231	0.002118	0.056695	26.77359
LOC112446399	1	0.002609	0.000786	0.002659	0.001875	0.000944	0.00182	0	0.000449	0.013486	0.004047	0.001774	0.00396	2.232129
LOC112446400	1	0	0	0	0	0	0	0.022792	0	0	0	0	0.004558	#DIV/0!
LOC112446401	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446402	1	0.007533	0.005105	0.013162	0.010829	0	0	0	0	0	0	0.007326	0	0
LOC112446403	1	0.010401	0.003356	0.016225	0.035597	0	0.015552	0.015787	0.03072	0.161305	0.079038	0.013116	0.06048	4.611262
LOC112446404	1	0	0	0.050776	0.044561	0	0	0	0	0.024038	0.45605	0.019067	0.096018	5.035729
LOC112446405	1	0	0.006997	0.05413	0.022267	0	0	0	0	0.016016	0.051501	0.016679	0.013504	0.809616
LOC112446406	1	4.811631	3.73431	8.96089	12.43304	17.21424	6.286381	4.717884	3.749801	3.732903	12.27265	9.430822	6.151923	0.652321
LOC112446407	1	0.230676	0.043417	0.209912	0.046054	0	0.1006	0	0	0.099376	0.19173	0.106012	0.078341	0.738987
LOC112446408	1	0.003939	0	0	0.014155	0	0	0	0	0.020363	0.032739	0.003619	0.01062	2.93475
LOC112446409	1	0.01171	0.047608	0.02046	0.016833	0.012711	0.024513	0.034837	0.108952	0.084753	0.042826	0.021864	0.059176	2.706506
LOC112446410	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446411	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446412	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446413	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446414	1	0.001349	0.003046	0	0	0	0	0	0	0	0	0.000879	0	0
LOC112446415	1	0	0	0	0	0	0.447022	0.055242	0	0	0	0	0.100453	#DIV/0!
LOC112446416	1	0	0	3.548422	3.725168	0.094819	0	0	0	0.722533	0.493713	1.473682	0.243249	0.165062
LOC112446417	1	0	0	0.133837	0.02447	0.011087	0	0	0	0.696972	0.241095	0.033879	0.187613	5.53779
LOC112446418	1	0	0	0	0	0	0	0	0	0	0.116804	0	0.023361	#DIV/0!
LOC112446419	1	0	0	0	0	0	0	0	0	0.040095	0.012893	0	0.010598	#DIV/0!
LOC112446420	0.001246	1311.326	993.4222	0	0	55.01953	0	0.016239	0.029627	0	0	471.9535	0.009173	1.94E-05
LOC112446421	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446422	1	0.085613	0.077767	0.040647	0.037901	0.010101	0.08766	0.039549	0.0481	0.288644	0.210382	0.050406	0.134867	2.67563
LOC112446423	1	0.013622	0.009614	0	0	0.027724	0	0	0	0	0	0.010192	0	0
LOC112446424	1	0.003781	0.000854	0.004955	0.008153	0.004104	0.003958	0.014463	0.0215	0.074282	0.056572	0.00437	0.034155	7.816484
LOC112446425	1	0.008217	0.01856	0	0	0.01115	0	0	0	0	0	0.007585	0	0
LOC112446426	1	0.006342	0.025066	0.04155	0.034185	0	0	0	0	0	0.015813	0.021428	0.003163	0.147588
LOC112446427	1	0.190427	0.032258	0.020794	0.011406	0	0	0	0	0.049222	0	0.050977	0.009844	0.193115
LOC112446428	1	0.01135	0	0.05784	0.022661	0.071869	0	0	0.039112	0	0.006289	0.032744	0.00908	0.277312
LOC112446429	1	0	0	0	0	0	0	0	0	0	0.017403	0	0.003481	#DIV/0!
LOC112446430	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446431	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446432	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446433	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112446435	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446436	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446437	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446438	1	0	0.002325	0	0	0	0	0	0	0	0	0.000465	0	0
LOC112446439	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446440	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446441	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446442	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446443	1	0	0	0	0	0	0	0	0	0.340071	0.164028	0	0.10082	#DIV/0!
LOC112446444	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446445	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446446	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446447	1	0	0	0	0	0.005485	0	0	0	0	0	0.001097	0	0
LOC112446448	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446449	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446450	1	0.038825	0.015944	0.015417	0.016912	0.019156	0	0.150003	0.18244	0.018247	0.064541	0.021251	0.083046	3.907883
LOC112446451	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446452	3.61E-09	1.041029	1.18116	1.038938	0.805991	0.534939	0.008526	0	0	0.016844	0.021666	0.920411	0.009407	0.010221
LOC112446453	1	0.037175	0	0.032476	0.053438	0.040352	0.07782	0.015799	0	0	0.037078	0.032688	0.026139	0.799659
LOC112446454	0.001267	6.59802	6.897693	5.86467	5.431962	16.99955	1.013041	0.4726	0.117088	0.447127	1.7664	8.35838	0.763251	0.091316
LOC112446455	1	0	0	0	0	0	0.305238	0.123939	0	0.603046	0.193914	0	0.245227	#DIV/0!
LOC112446456	1	0.009369	0.010581	0	0	0.025425	0	0	0	0	0	0.009075	0	0
LOC112446457	1	0	0.008205	0	0.034812	0	0	0	0	0	0	0.008603	0	0
LOC112446458	1	0.029698	0.053661	0.025944	0.07115	0.064472	0	0	0	0.030705	0.029621	0.048985	0.012065	0.246305
LOC112446459	1	0.004896	0.001106	0.010694	0.001173	0	0	0	0	0.025313	0.004884	0.003574	0.006039	1.689877
LOC112446460	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446461	1	0	0.00504	0	0	0	0	0	0	0	0	0.001008	0	0
LOC112446462	1	0.055637	0.027646	0.019442	0.013329	0.030196	0	0	0.011503	0	0	0.02925	0.002301	0.078655
LOC112446463	1	0	0	0	0	0	0	0	0	0	0.008211	0	0.001642	#DIV/0!
LOC112446464	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446465	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446466	0.92201	0.223977	0.24357	0.217403	0.139119	0.315155	0	0	0	0	0.02758	0.227845	0.005516	0.024209
LOC112446467	1	0	0.004842	0.571237	0.226002	0	0	0	0	0	0	0.160416	0	0
LOC112446468	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446469	1	0.003477	0.00349	0	0	0.001398	0.000674	0.001916	0.00466	0	0	0.001673	0.00145	0.866562
LOC112446470	2.92E-12	0.037249	0.016826	0	0	0	4.015672	6.522123	5.96859	2.657372	2.674946	0.010815	4.367741	403.8594
LOC112446471	1	0	0.035231	0	0	0	0	0	0	0	0	0.007046	0	0
LOC112446472	1	0.075806	0	0	0	0	0	0	0	0	0	0.015161	0	0
LOC112446473	1	0	0	0	0.039889	0	0	0	0	0	0	0.007978	0	0
LOC112446474	1	0.004431	0.010008	0.009677	0	0.006012	0	0	0	0	0	0.006026	0	0
LOC112446475	1	0.095442	0.127169	0	0	0.109935	0.22279	0.18822	0.262637	0	0	0.066509	0.134729	2.025721
LOC112446476	1	0.004558	0.005393	0	0	0.004712	0.002272	0.00369	0.014585	0	0	0.002933	0.004109	1.401274
LOC112446477	1	0.178229	0.062898	0	0	0	0	0.035506	0	0	0	0.048225	0.007101	0.147249
LOC112446478	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446479	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446480	1	0.00426	0.003848	0	0	0	0.013375	0.00181	0.057246	0	0	0.001622	0.014486	8.933325

LOC112446481	1	0.045164	0.103956	0	0	0.042935	0.03312	0.042178	0.046838	0	0	0.038411	0.024427	0.635943
LOC112446482	1	0.007132	0.009564	0.012655	0.004806	0	0	0	0	0.009217	0.00741	0.006831	0.003325	0.486783
LOC112446483	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446484	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446485	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446486	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446487	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446488	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446489	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446490	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446491	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446492	1	0.259047	0.292543	0	0	0	0	0	0	0	0	0.110318	0	0
LOC112446493	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446494	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446495	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446496	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446497	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446498	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446499	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446500	1	1.138235	1.285416	0.621465	0.170436	0	0	0	0	0	0.946063	0.64311	0.189213	0.294215
LOC112446501	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446502	1	0	0	0	0	0	1.424442	0	0	0	0	0	0.284888	#DIV/0!
LOC112446503	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446504	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446505	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446506	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446507	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446508	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446509	1	0	0	0	0	0	0.599308	0.486688	0.591928	0	0.761466	0	0.487878	#DIV/0!
LOC112446510	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446511	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446512	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446513	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446514	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446515	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446516	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446517	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446518	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446519	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446520	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446521	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446522	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446523	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446524	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446525	1	0.351044	0.792873	0	0	0	0	0	0	0	0	0.228784	0	0
LOC112446526	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112446527	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446528	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446529	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446530	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446531	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446532	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446533	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446534	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446535	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446536	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446537	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446538	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446539	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446540	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446541	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446542	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446543	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446607	1	0	0	0.076027	0	0	0	0	0	0	0	0.015205	0	0
LOC112446608	1	0.001788	0	0.023425	0.004283	0.009702	0	0	0.00462	0.06469	0.011887	0.007839	0.016239	2.071485
LOC112446609	1	0.066285	0	0	0	0	0	0.093902	0.114207	0.57112	0.073459	0.013257	0.170538	12.86388
LOC112446610	1	0	0.039132	0	0	0	0	0	0	0.179134	0	0.007826	0.035827	4.577713
LOC112446611	1	0	0.002667	0	0	0	0	0	0	0	0	0.000533	0	0
LOC112446612	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446613	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446614	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446615	1	0.008321	0	0	0	0	0	0	0	0.043017	0	0.001664	0.008603	5.169638
LOC112446616	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446617	1	0	0.001425	0	0	0	0	0	0	0	0	0.000285	0	0
LOC112446618	1	0.013006	0	0	0	0	0	0	0	0	0	0.002601	0	0
LOC112446619	1	0	0	0	0	0	0	0	0	0	1.138232	0	0.227646	#DIV/0!
LOC112446620	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446621	1	0.055979	0	0	0	0	0	0	0	0	0	0.011196	0	0
LOC112446622	1	0	0	0.087956	0.00268	0	0	0	0	0	0.003719	0.018127	0.000744	0.041036
LOC112446623	1	0	0.217532	0	0.115372	0	0	0	0	0	0.480309	0.066581	0.096062	1.442787
LOC112446624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446625	1	0.001981	0.002237	0	0	0	0	0	0	0.020483	0	0.000844	0.004097	4.855703
LOC112446626	1	0	0.033436	0	0	0	0	0	0	0	0	0.006687	0	0
LOC112446627	1	0.038397	0.021681	0.062893	0.051745	0.039074	0	0	0	0.049625	0	0.042758	0.009925	0.232119
LOC112446628	1	0	0	0	0.049188	0	0	0	0	0	0.017065	0.009838	0.003413	0.346928
LOC112446629	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446630	1	0	0	0.270202	0.059282	0	0	0	0	0.895431	0.740397	0.065897	0.327166	4.964817
LOC112446631	1	0	0.005735	0	0	0	0	0	0	0	0	0.001147	0	0
LOC112446632	1	0.020961	0	0	0	0	0	0	0	0	0	0.004192	0	0
LOC112446633	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446634	1	0	0	0	0.057318	0	0.87644	0.40671	0.247328	0.742092	0.47725	0.011464	0.549964	47.97441
LOC112446635	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112446636	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446637	1	0	0	0	0.049994	0	0	0	0	0	0	0.009999	0	0
LOC112446638	1	0.009365	0.005288	0.020452	0.005609	0	0	0	0	0.266266	0.054485	0.008143	0.06415	7.878252
LOC112446639	9.44E-05	0.411972	0.326644	0.35062	0.380654	0.225032	0.010415	0.007048	0.012002	0.048014	0.004411	0.338984	0.016378	0.048315
LOC112446640	1	0.759716	1.237046	1.543432	0.984133	0.647252	0.739691	0.769636	2.785348	0.456681	0.881094	1.034316	1.12649	1.089116
LOC112446641	1	0	0.002161	0	0	0	0	0	0	0	0	0.000432	0	0
LOC112446642	1	0.102615	0.169963	0	0	0.210395	0.047735	0	0.011787	0	0	0.096595	0.011904	0.12324
LOC112446643	1	0.003035	0	0	0	0	0	0	0	0	0	0.000607	0	0
LOC112446644	1	0.031214	0.035843	0.075617	0.080752	0.032031	0.032945	0.016721	0.014914	0.085429	0.044476	0.051091	0.038897	0.76132
LOC112446645	1	0.386239	0.654273	0	0	1.572189	9.095923	0.923331	0.499107	0.748769	0	0.52254	2.253426	4.312444
LOC112446646	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446647	1	0.006958	0.001123	0.006513	0.005954	0	0.010404	0.004224	0.010276	0.041109	0.001652	0.004109	0.013533	3.293256
LOC112446648	1	0.00162	0.002827	0.00193	0.001411	0	0	0	0	0.012181	0.001958	0.001558	0.002828	1.815499
LOC112446649	1	0	0.003398	0.013144	0	0	0	0	0	0	0	0.003309	0	0
LOC112446650	1	0	0.002328	0.01801	0.027165	0	0	0	0	0.287754	0.010281	0.009501	0.059607	6.27408
LOC112446651	1	0.003793	0.001168	0.007531	0.002892	0.000936	0.001805	0	0.000891	0.005348	0.017197	0.003264	0.005048	1.546634
LOC112446652	1	0	0.005776	0.007447	0	0	0	0	0	0	0	0.002645	0	0
LOC112446653	1	0	0.005641	0.003636	0.000997	0	0	0	0.002152	0.025823	0.001384	0.002055	0.005872	2.857365
LOC112446654	1	0	0.004058	0.011771	0	0	0	0	0	0	0	0.003166	0	0
LOC112446655	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446656	1	0	0	0	0	0	0	0	0	0.023373	0.015031	0	0.007681	#DIV/0!
LOC112446657	1	0.118275	0.02812	0.353475	0.305733	0	0	0.026456	0.402205	0.482716	0.507055	0.161121	0.283686	1.760707
LOC112446658	1	0	0	0.020522	0.007504	0	0	0.013312	0	0	0.01562	0.005605	0.005786	1.032325
LOC112446659	1	0.15269	0	0	0	0	0	0.046351	0.056374	0	0	0.030538	0.020545	0.67277
LOC112446660	1	0.011417	0.05802	0.037401	0.041029	0.030982	0	0	0	0.029511	0.028468	0.03577	0.011596	0.324179
LOC112446661	1	0.007404	0.008362	0	0	0	0	0.015734	0.038272	0.057416	0.018463	0.003153	0.025977	8.238269
LOC112446662	1	0	0	0	0	0	0.067831	0.605925	2.529074	0.033503	0	0	0.647266	#DIV/0!
LOC112446663	1	0.130683	0.119716	0.011975	0.019705	0.064478	0.033478	0.071851	0.222013	0	0.004557	0.069311	0.06638	0.957704
LOC112446664	1	0	0	0	0	0	0	0.054744	0.432782	0	0	0	0.097505	#DIV/0!
LOC112446665	1	0	0	0	0.009887	0	0.021597	0.219229	0.085323	0.042668	0.130341	0.001977	0.099831	50.48704
LOC112446666	1	0.010711	0.024191	0	0	0	0.112103	0.113796	0.055361	0	0	0.00698	0.056252	8.058736
LOC112446667	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446668	1	0.22956	0.162027	0.438681	0.9109	1.168032	0.450511	0	0	0	0	0.58184	0.090102	0.154857
LOC112446669	8.55E-09	0.18175	0.102626	0.198468	0.254004	0	26.63247	6.56558	8.533314	12.84098	31.47186	0.14737	17.20884	116.7733
LOC112446670	1	0.002021	0.013697	0.013244	0.004843	0	0	0.004295	0.005224	0.01045	0.006721	0.006761	0.005338	0.789529
LOC112446671	0.007438	0.038104	0.05508	0.039945	0.043819	0.041361	0.255248	0.365984	0.55148	0.614596	1.135092	0.043662	0.58448	13.38648
LOC112446672	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446673	1	0	0	0.033252	0	0	0	0	0	0.039356	0	0.00665	0.007871	1.183546
LOC112446674	1	0.009247	0.0731	0.020195	0.044308	0.90337	0	0	0	0	0	0.210044	0	0
LOC112446675	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446676	1	0.091614	0	0	0.164616	0.124305	0	0	0	0	0.038073	0.076107	0.007615	0.100052
LOC112446677	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446678	1	0	0	0	0	0	0.082265	0.016702	0.020313	0.020316	0.052262	0	0.038372	#DIV/0!
LOC112446680	1	0.052011	0.016782	0.081136	0.089005	0.20835	0.609187	0.715752	0.384055	0.051215	0.024703	0.089457	0.356982	3.99056
LOC112446681	1	0.04837	0.08442	0.067225	0.005268	0.095463	0	0	0	0	0	0.060149	0	0
LOC112446682	1	0.045619	0.055363	0.111527	0.040781	0.036954	0.04276	0.099833	0.158374	0.320314	0.189021	0.058049	0.16206	2.791784

LOC112446683	1	0	0.002502	0.009676	0	0	0.011593	0.002354	0	0.011452	0.009206	0.002436	0.006921	2.841664
LOC112446684	1	0.055065	0.0188	0.00839	0.013806	0.003475	0	0.005442	0	0	0.004257	0.019907	0.00194	0.09745
LOC112446685	1	0.006987	0	0.015259	0.004185	0	0	0	0	0	0	0.005286	0	0
LOC112446686	1	0.028065	0.001585	0.014097	0.003698	0.007616	0.013219	0.000596	0.004352	0.026116	0.006531	0.011012	0.010163	0.922864
LOC112446687	1	0.036503	0.371009	0.279025	0.524723	1.386806	0	0	0	0	0	0.519613	0	0
LOC112446688	1	0	0.005554	0.02148	0.005891	0	0	0	0	0.025423	0.008175	0.006585	0.00672	1.02044
LOC112446689	1	0.053735	0.123948	0	0	0.06205	0	0	0	0	0	0.047947	0	0
LOC112446690	1	0.258843	0.355216	0	0	0.364545	0	0	0.016936	0	0	0.195721	0.003387	0.017306
LOC112446691	1	0	0	0	0	0	0.281257	0.249168	0.353555	0	0	0	0.176796	#DIV/0!
LOC112446692	1	0.00135	0	0	0	0	0	0	0	0	0	0.00027	0	0
LOC112446693	1	0	0	0	0	0	0	0.025599	0	1.058715	0.160206	0	0.248904	#DIV/0!
LOC112446694	1	0	0	0	0	0	0	0.024912	0.022724	0.015151	0.009744	0	0.014506	#DIV/0!
LOC112446695	1	0	0	0	0.003477	0	0	0.012336	0.007502	0	0.004825	0.000695	0.004933	7.093013
LOC112446696	1	0.080786	0.047599	0	0	0.038126	0.018382	0.029855	0.018155	0	0	0.033302	0.013278	0.398723
LOC112446697	1	0.009159	0	0.005455	0.010971	0.006778	0	0	0	0	0	0.006473	0	0
LOC112446698	1	0.004887	0.001226	0.00593	0.005204	0.001474	0.008525	0.003462	0.002807	0.014036	0.05055	0.003744	0.015876	4.24022
LOC112446699	1	0.012158	0.025745	0.009958	0.001821	0	0.015907	0	0.003928	0	0	0.009936	0.003967	0.399246
LOC112446700	1	0	0.014187	0.027436	0	0	0	0	0	0	0	0.008325	0	0
LOC112446701	1	0.034816	0.112338	0.293287	0.095328	0.026994	0	0	0	0.077137	0.016536	0.112553	0.018735	0.166453
LOC112446702	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446703	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446704	1	0.041087	0.00232	0	0.002461	0	0.064507	0.021827	0.021237	0.138063	0.003415	0.009174	0.04981	5.429705
LOC112446705	1	0.587525	0.860295	0	0	0.081069	0.312682	1.978493	0.823552	0	0	0.305778	0.622946	2.03725
LOC112446706	1	0.016958	0	0.333319	0.121883	0	0	0	0.021913	0.175332	0.281897	0.094432	0.095829	1.014791
LOC112446707	1	0.007541	0	0.115285	0.076783	0.020464	0.019732	0	0.019489	0.448319	0.225642	0.044015	0.142637	3.240666
LOC112446708	1	0.006307	0.009496	0.027546	0.015109	0.011409	0.011001	0	0.016299	0.054338	0.003495	0.013973	0.017026	1.218485
LOC112446709	1	0.665112	0.775189	0	0	1.631347	0.780937	0.036239	0.352604	0	0	0.61433	0.233956	0.380831
LOC112446710	1	0.048782	0.091815	0.213074	0.214262	0.099283	0.063822	0.103658	1.134657	0.462335	0.412213	0.133443	0.435337	3.262344
LOC112446711	1	0	0.047184	0.273749	0.1001	0	0.109329	0.355136	0.971842	0	0.104183	0.084207	0.308098	3.658831
LOC112446712	1	0.002864	0.000809	0	0	0.000972	0	0.000761	0.002776	0	0	0.000929	0.000707	0.761491
LOC112446713	1	0.005464	0.002644	0	0.00187	0	0	0	0	0.016141	0.003893	0.001996	0.004007	2.007677
LOC112446714	1	0.004697	0.001768	0.00171	0.006564	0.004248	0	0	0	0	0	0.003797	0	0
LOC112446715	1	0.004201	0.004744	0	0	0.0114	0	0	0	0	0	0.004069	0	0
LOC112446716	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446717	1	0.00278	0.003139	0.069813	0.096563	0	0	0	0	0.02874	0.004621	0.034459	0.006672	0.193625
LOC112446718	1	0.008796	0.008278	0	0	0	0	0	0	0	0	0.003415	0	0
LOC112446719	0.025894	0.081708	1.080364	0.059482	0.053017	0.050813	0	0.003617	0	0	0	0.265077	0.000723	0.002729
LOC112446720	1	0.005989	0.006407	0.017898	0.020389	0.001711	0.013196	0.021433	0.041545	0.027701	0.00524	0.010479	0.021823	2.082603
LOC112446721	0.000691	0.00176	0.004372	0.008455	0.008432	0	0.075517	0.058335	0.109152	0.362074	0.353963	0.004604	0.191808	41.66295
LOC112446722	1	0.18449	0.246346	0.149511	0.20988	0.19522	0.018217	0.014794	0.002999	0.191949	0.003858	0.19709	0.046363	0.23524
LOC112446723	1	0	0	0	0	0	0	0	0	0.360094	0.130265	0	0.098072	#DIV/0!
LOC112446724	1	0.014129	0.007092	0	0.003761	0	0	0	0.016229	0	0	0.004996	0.003246	0.649643
LOC112446725	0.134669	0.103889	0.234646	0.27731	0.221242	0.093974	0	0	0	0	0	0.186212	0	0
LOC112446726	1	0	0.347954	0.978773	0.167767	0	0	0	0	0	0.046562	0.298899	0.009312	0.031156
LOC112446727	1	0	0	0.260699	0.103272	0	0	0	0	0	0.016536	0.072794	0.003307	0.045432
LOC112446728	1	0.005952	0.013444	0	0	0	0.03115	0.018972	0.053842	0	0	0.003879	0.020793	5.360044

LOC112446729	1	0.007076	0.015983	0	0	0.038406	0	0	0.036577	0	0	0.012293	0.007315	0.595086
LOC112446730	1	0.003665	0.004599	0.019567	0.020489	0.00221	0	0	0	0.002105	0.000677	0.010106	0.000556	0.055061
LOC112446731	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446732	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446733	0.225395	0.125782	0.133169	0.892787	0.282514	0.042667	0	0	0	0	0	0.295384	0	0
LOC112446734	1	0.981244	0.457198	0.239776	0.295912	1.564147	0.071821	0.087486	0.070936	0.177366	0.114067	0.707656	0.104335	0.147438
LOC112446735	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446736	1	0.08026	0.120851	0.116857	0.160239	0.1452	0	0	0	0.276611	0	0.124681	0.055322	0.443709
LOC112446737	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446738	1	0.004877	0	0	0	0	0.102089	0.103631	0.050416	0.025212	0.097284	0.000975	0.075727	77.63822
LOC112446739	1	0.020407	0.00192	0.01857	0.010185	0.009229	0.0089	0.003614	0.013185	0.123077	0.110248	0.012062	0.051805	4.294758
LOC112446740	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446741	1	0	0	0.061288	0.067232	0	0	0	0.036263	0	0	0.025704	0.007253	0.28216
LOC112446742	0.046981	0.042684	0.036152	0.04661	0.076696	0.144787	0	0	0	0	0	0.069386	0	0
LOC112446743	1	0	0	0	0	0	0	0.037021	0	0	0	0	0.007404	#DIV/0!
LOC112446744	1	0.122079	0.058048	0	0.04618	0.034872	0	0	0	0	0	0.052236	0	0
LOC112446745	1	0	0	0.04661	0	0	0	0	0.036771	0	0	0.009322	0.007354	0.788916
LOC112446746	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446747	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446748	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446749	1	0	0	0.068878	0	0	0	0	0	0	0.209707	0.013776	0.041941	3.044622
LOC112446750	1	0	0	0	0.023459	0	0	0	0	0.101241	0.06511	0.004692	0.03327	7.091034
LOC112446751	1	0.003562	0	0	0.042665	0	0	0	0	0	0	0.009245	0	0
LOC112446752	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446753	1	0.031334	0.002722	0.01316	0.005775	0.026163	0	0	0	0	0	0.015831	0	0
LOC112446754	1	0	0	0	0	0	0	0	0	0.023089	0.111368	0	0.026891	#DIV/0!
LOC112446755	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446756	1	0.13639	0.215636	0.089361	0.196057	0	0.142755	0.463714	4.406147	3.172887	0.476123	0.127489	1.732325	13.58807
LOC112446757	1	0.001379	0.003894	0	0.002479	0	0	0	0	0	0.002293	0.001551	0.000459	0.295783
LOC112446758	1	0	0	0	0	0	0	0	0	0	0.063932	0	0.012786	#DIV/0!
LOC112446759	1	1.939526	1.986252	0.210477	0.303045	2.277467	0.084059	0.221856	0.176427	0	0.206932	1.343353	0.137855	0.10262
LOC112446760	1	0.350816	0.078314	0	0	0.642046	0	0.017336	0.010543	0	0	0.214235	0.005576	0.026027
LOC112446761	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446762	0.146825	0.121106	0.110843	0.271405	0.672261	0.345825	0	0	0.004091	0.045012	0.011842	0.304288	0.012189	0.040058
LOC112446763	1	0.043804	0.049468	0	0	0	0.05731	0.04654	0.141511	0	0	0.018654	0.049072	2.630604
LOC112446764	1	0.006992	0.039481	0.183247	0.150765	0	0	0	0	0.126514	0.058116	0.076097	0.036926	0.485249
LOC112446765	1	0.05536	0.093778	0	0	0	0	0	0	0	0	0.029828	0	0
LOC112446766	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446767	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446768	1	0.117171	0.17958	1.242931	1.12287	0.102203	0.0657	0.115599	0.205487	1.016766	0.598246	0.552951	0.40036	0.724042
LOC112446769	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446770	1	0.026647	0.003009	0	0	0.028925	0	0	0	0	0	0.011716	0	0
LOC112446771	1	0.039779	0.028077	0	0	0.013494	0	0	0.07068	0	0	0.01627	0.014136	0.868842
LOC112446772	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446773	1	0.180585	0.143955	0.185596	0.114523	0.115306	0	0	0	0	0.017658	0.147993	0.003532	0.023864
LOC112446774	1	0.01509	0.012172	0	0	0.0234	0	0	0	0	0	0.010133	0	0

LOC112446775	1	0.001201	0.002713	0	0	0	0.015718	0.002553	0.009315	0	0	0.000783	0.005517	7.046436
LOC112446777	1	0.001199	0.001355	0.009169	0.00934	0.001627	0	0	0.0031	0	0.015952	0.004538	0.00381	0.839652
LOC112446779	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446780	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446781	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446782	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446783	1	0.04334	0	0	0	0	0	0	0	0	0	0.008668	0	0
LOC112446784	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446785	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446786	1	0.00434	0	0	0	0	0	0	0	0	0	0.000868	0	0
LOC112446787	1	0.009861	0.01028	0.003313	0	0	0	0	0	0	0	0.004691	0	0
LOC112446788	1	0	0.003716	0.014374	0	0	0	0	0	0	0	0.003618	0	0
LOC112446789	1	0.015428	0.034846	0.022463	0.036962	0	0	0	0	0	0	0.02194	0	0
LOC112446790	1	0	0	0	0.0024	0	0	0	0	0.020715	0	0.00048	0.004143	8.631213
LOC112446791	1	0.013624	0.034618	0	0	0	0	0	0	0	0	0.009648	0	0
LOC112446792	1	0.120944	0.019512	0.075468	0.020697	0	0	0	0	0	0	0.047324	0	0
LOC112446793	1	0.147301	0	0	0	0	0.770875	0.626015	0.190346	0	0	0.02946	0.317447	10.77545
LOC112446794	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446795	1	0.236186	0.262128	0.480248	0.424389	0.20996	0.127866	0.043266	0.14734	0.105258	0.230157	0.322582	0.130778	0.405408
LOC112446796	1	0.255274	0.288283	0	0	0.46182	0	0	0	0	0	0.201075	0	0
LOC112446797	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446798	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446799	1	0	0	0.906582	2.513162	0.182671	3.992522	1.52577	2.841539	1.15998	1.641199	0.720483	2.232202	3.098203
LOC112446800	1	0	0.015347	0.089038	0.065116	0.036878	0	0.014439	0	0.140507	0	0.041276	0.030989	0.750785
LOC112446801	1	0.001102	0.002489	0.000344	0.001697	0	0.000824	0	0.002035	0.003256	0.000262	0.001127	0.001275	1.131967
LOC112446802	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446803	0.000676	0	0	0.128418	0.084524	0	1.046256	2.099128	2.066745	4.681251	3.772998	0.042588	2.733276	64.17884
LOC112446804	1	0.065871	0.003542	0.00274	0.00526	0	0	0.002666	0.006485	0.019459	0.005214	0.015483	0.006765	0.436931
LOC112446805	1	0	0	0	0	0	0	0	0	0.113689	0.018279	0	0.026394	#DIV/0!
LOC112446806	1	0	0.00778	0	0	0	0	0	0	0	0	0.001556	0	0
LOC112446807	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446808	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446809	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446810	1	0.001756	0.005948	0.003834	0	0	0	0	0	0	0	0.002307	0	0
LOC112446811	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446812	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446813	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446814	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446815	1	0.019412	0.010961	0	0	0	0	0	0	0	0	0.006075	0	0
LOC112446816	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446817	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446818	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446819	1	0.058296	0.07132	0	0	0.052732	0	0.041292	0.050221	0.050228	0	0.036469	0.028348	0.77731
LOC112446820	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446821	1	0.002187	0.001976	0.002866	0.004191	0	0.0206	0.019517	0	0	0	0.002244	0.008024	3.575666
LOC112446822	1	0.005964	0.003929	0.027136	0.029768	0	0.007803	0.009505	0.002569	0.043679	0.054529	0.013359	0.023617	1.767807

LOC112446823	1	0.009668	0.016378	0.13725	0.098445	0	0	0.010272	0.074962	0.049982	0.072325	0.052348	0.041508	0.792926
LOC112446824	1	0.573462	0.215871	0.104368	0.049068	0	0.250093	0.710837	0.017644	0	0	0.188554	0.195715	1.037978
LOC112446825	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446826	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446827	1	0.008844	0.007491	0.009658	0.002649	0	0	0	0	0.01143	0	0.005728	0.002286	0.399085
LOC112446828	1	0	0	0.15052	0	0	0	0	0	0	0	0.030104	0	0
LOC112446829	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446830	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446831	1	0.000885	0	0	0	0	0	0	0	0	0.039739	0.000177	0.007948	44.88301
LOC112446832	1	0.02133	0.012044	0.011646	0.025551	0	0	0	0.013781	0	0	0.014114	0.002756	0.195286
LOC112446833	9.95E-05	0	0	0	0.014408	0	0.912683	0.460039	0.310843	0.435243	1.529514	0.002882	0.729665	253.2217
LOC112446834	1	0.007843	0	0	0	0	0	0	0	0.010136	0	0.001569	0.002027	1.29241
LOC112446835	1	0.003114	0.001758	0.0034	0.005595	0	0	0	0	0	0	0.002774	0	0
LOC112446836	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446837	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446838	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446839	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446840	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446841	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446842	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446843	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446844	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446845	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446846	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446847	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446848	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446849	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446850	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446851	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446852	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446853	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446854	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446855	1	0	0.141396	0	0.599933	0	0.655243	1.596337	1.29435	7.11996	6.035884	0.148266	3.340355	22.5295
LOC112446856	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446857	1	0	0	0	0.499944	0	0	1.47809	3.235874	2.876751	0.23126	0.099989	1.564395	15.64569
LOC112446858	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446859	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446860	1	0	0.589149	0.569676	0	0	0	0	0	0	0	0.231765	0	0
LOC112446861	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446862	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446863	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446864	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446866	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446867	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446868	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112446869	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446870	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446871	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446872	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446873	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446874	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446875	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446876	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446877	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446878	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446879	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446880	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446881	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446882	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446883	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446884	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446885	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446886	1	0.250412	0.706979	0	0.299967	0	1.310487	2.128449	0	0	0	0.251471	0.687787	2.735051
LOC112446887	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446888	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446889	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446890	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446891	1	0.351044	0	0	0	0	0	0	0	0	0	0.070209	0	0
LOC112446892	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446893	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446894	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446895	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446896	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446897	1	0	0	0	0	0	0	0	0	1.814773	1.167106	0	0.596376	#DIV/0!
LOC112446898	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446899	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446900	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446901	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446902	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446903	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446904	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446905	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446906	1	0	0	0	0	0	0	0	0	0	0.600386	0	0.120077	#DIV/0!
LOC112446907	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446908	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446909	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446910	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446912	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446913	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446914	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112446915	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446916	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446917	1	0	0	0	0.463866	0	0	0	0	0	0	0.092773	0	0
LOC112446918	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446919	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446920	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446921	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446936	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446952	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446968	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446980	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446981	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446982	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446983	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446984	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446985	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446986	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446987	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446988	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446989	1	0.007592	0.001319	0.005102	0.006996	0	0.006113	0.004964	0.007547	0.033212	0.006796	0.004202	0.011726	2.790702
LOC112446990	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446991	1	0.038407	0.03253	0	0	0.052112	0.100497	0	0	0.099274	0	0.02461	0.039954	1.623528
LOC112446992	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112446993	1	0	0	0.008303	0	0	0	0	0	0	0	0.001661	0	0
LOC112446994	1	0.005144	0.005083	0.000702	0.00154	0	0	0	0.001662	0.003324	0.003741	0.002494	0.001745	0.699856
LOC112446995	1	0.002432	0	0	0.005827	0	0	0.005168	0.006286	0.075439	0	0.001652	0.017379	10.52104
LOC112446996	1	0.104921	0	0	0.125684	0	0	0	0	0	0	0.046121	0	0
LOC112446997	0.165256	0	0	0	0	0	3.25452	2.114354	0.321444	2.57193	1.343911	0	1.921232	#DIV/0!
LOC112446998	0.051179	0.109657	0.090496	0.17501	0.22735	0.137341	0	0	0	0	0	0.147971	0	0
LOC112446999	1	0	0.049948	0.024149	0.013246	0.090018	0	0	0	0	0	0.035472	0	0
LOC112447000	1	0	0	0	0	0	0.070055	0	0	0.121103	0.033379	0	0.044907	#DIV/0!
LOC112447001	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447002	1	0.001755	0.004954	0	0.002102	0	0	0	0	0	0.001459	0.001762	0.000292	0.165533
LOC112447003	0.004504	0.041322	0.069998	0	0	0	0.054063	2.831786	1.468425	4.539428	5.976123	0.022264	2.973965	133.5774
LOC112447004	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447005	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447006	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447007	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447008	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447009	1	0.016317	0.018427	0	0.039092	0	0	0.069346	0	0	0	0.014767	0.013869	0.939185
LOC112447010	1	0.014037	0.079258	0	0.016814	0.038091	0	0	0	0	0	0.02964	0	0
LOC112447011	1	0.073703	0.111987	0.022437	0.026219	0.105458	0	0.006644	0.069266	0.004618	0.006683	0.067961	0.017442	0.256653
LOC112447012	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447013	1	0.01072	0.012106	0	0	0	0	0	0	0	0	0.004565	0	0
LOC112447014	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447015	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112447016	1	0.003604	0.00862	0.003704	0.002286	0.002301	0	0	0	0	0	0.004103	0	0
LOC112447017	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447018	1	0	0.018347	0	0	0	0	0	0	0	0	0.003669	0	0
LOC112447019	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447020	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447021	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447022	1	0	0.001771	0	0.001878	0	0	0.003332	0.012158	0.008106	0.002607	0.00073	0.005241	7.180411
LOC112447023	1	0.012864	0.014527	0	0.015409	0	0	0	0	0.0665	0	0.00856	0.0133	1.553751
LOC112447024	1	0	0	0	0.017399	0	0	0	0	0	0	0.00348	0	0
LOC112447025	1	0.019939	0.020266	0	0.009554	0.064931	0	0	0	0	0.003315	0.022938	0.000663	0.0289
LOC112447026	1	0	0	0.353465	0.525076	0	0	0	0	0	0.05605	0.175708	0.01121	0.063799
LOC112447027	1	0.356533	0.153948	0.412228	0.288913	0.4553	0.329268	0.155979	0.325214	0.216841	0.156885	0.333384	0.236837	0.710403
LOC112447028	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447029	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447030	1	0.02974	0.018085	0.017487	0.013702	0.012416	0	0.007292	0.02365	0.03548	0.015212	0.018286	0.016327	0.892849
LOC112447031	1	0.034303	0.029054	0.037458	0.010273	0	0.314158	0.309791	0.199472	0.465502	0.220964	0.022218	0.301977	13.59182
LOC112447032	1	0.047485	0.049725	0.047139	0.052745	0.032801	0.009037	0.003669	0	0	0.007176	0.045979	0.003976	0.086482
LOC112447033	1	0	0.050938	0.024627	0.013508	0	0	0	0	0.145738	0.03749	0.017815	0.036646	2.057045
LOC112447034	1	0.004074	0.023004	0.035589	0	0	0	0	0	0.294851	0.115128	0.012533	0.081996	6.542203
LOC112447035	1	0.03919	0.027046	0.004755	0.003912	0.005908	0	0.004627	0	0.05065	0.014477	0.016162	0.013951	0.863157
LOC112447036	1	0.019905	0.009773	0.011341	0.002073	0.014091	0.004529	0.025746	0.017893	0.02237	0.007193	0.011437	0.015546	1.359342
LOC112447037	1	0.048676	0.009162	0	0	0	0	0.051717	0.041934	0	0	0.011568	0.01873	1.619195
LOC112447038	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447039	1	0	0.027907	0	0	0	0	0	0	0.063875	0	0.005581	0.012775	2.288857
LOC112447040	1	0.039405	0.082154	0.046339	0.039941	0.082255	0	0	0	0	0	0.058019	0	0
LOC112447041	1	0.257241	0.261715	0.779439	0.444176	0.213822	0	0	0	1.030327	0.685732	0.391278	0.343212	0.877155
LOC112447042	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447043	1	0.148694	0.144599	0.189433	0.094008	0.470758	0.30262	0.193091	0.106748	0.042705	0.274643	0.209498	0.183961	0.878105
LOC112447044	1	0	0.005128	0	0	0	0	0	0	0	0	0.001026	0	0
LOC112447045	1	0.002058	0	0.004494	0	0	0	0	0	0	0	0.00131	0	0
LOC112447046	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447047	1	0.186433	0.533254	0.016687	0.021967	0.049763	0.031989	0.032472	0.055292	0	0	0.161621	0.023951	0.14819
LOC112447048	1	0.010398	0.03288	0	0.014117	0.013168	0	0	0	0.014335	0.010371	0.014113	0.004941	0.350126
LOC112447049	1	0	0.0136	0	0	0	0	0	0	0	0	0.00272	0	0
LOC112447050	1.23E-25	0.005552	0.01254	0	0.003991	0	3.010253	3.237413	1.76784	2.370858	2.04159	0.004417	2.485591	562.7827
LOC112447051	1	0.005236	0	0	0	0	0	0	0	0	0	0.001047	0	0
LOC112447052	1	0.006087	0.007111	0.003897	0.002263	0.00057	0.009337	0.006244	0.008408	0.014107	0.007327	0.003986	0.009085	2.279454
LOC112447053	1	0.004366	0.003052	0.004314	0.003487	0	0.012513	0.028717	0.015851	0.030095	0.0197	0.003044	0.021375	7.022611
LOC112447054	1	0.011259	0.003912	0	0	0	0	0	0.02686	0	0	0.003034	0.005372	1.770447
LOC112447055	1	0	0	0	0	0	0	0	0	0	0.069766	0	0.013953	#DIV/0!
LOC112447056	1	0	0	0	0	0	0	0	0	0.006049	0	0	0.00121	#DIV/0!
LOC112447057	1	0.001016	0.006882	0	0.001217	0	0	0	0	0	0	0.001823	0	0
LOC112447058	1	0	0	0.009176	0	0	0.043976	0.062496	0.032576	0	0.034922	0.001835	0.034794	18.95927
LOC112447059	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447060	1	0	0.03687	0	0.039109	0.044298	0	0.017344	0.084377	0.08439	0.013568	0.024055	0.039936	1.660159
LOC112447061	1	0.012624	0.010368	0.007519	0.010998	0	0	0	0	0	0	0.008302	0	0

LOC112447062	1	0.026097	0.029471	0.009499	0	0	0	0	0	0.04497	0.028921	0.013013	0.014778	1.135618
LOC112447063	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447064	0.680903	0.056765	0.047738	0.036928	0.023149	0.006555	0	0	0	0	0.002008	0.034227	0.000402	0.011732
LOC112447065	1	0.169077	0.233523	0.063757	0.085968	0.07922	0.012731	0.018093	0.062873	0.2138	0.123344	0.126309	0.086168	0.682203
LOC112447066	0.011537	0.637841	0.430959	0.15478	0.124079	0.207115	0	0	0	0	0	0.310955	0	0
LOC112447067	1	0.090558	0.086231	0.036098	0.032348	0.087811	0.018275	0.024734	0.00361	0.015645	0.013931	0.066609	0.015239	0.228783
LOC112447068	1	0.202959	0.209834	0.124861	0.078758	0.155145	0.05984	0.036446	0.007388	0	0.004752	0.154311	0.021685	0.140528
LOC112447069	1	0	0	0	0.004154	0.009409	0	0	0	0	0	0.002713	0	0
LOC112447070	1	0.122073	0.148263	0.070424	0.016554	0.062503	0.024108	0.044049	0.041669	0.107164	0.03063	0.083963	0.049524	0.589827
LOC112447071	1	0.001727	0.008774	0.003771	0.002068	0	0.022589	0	0	0.013389	0.017221	0.003268	0.01064	3.255775
LOC112447072	1	0.008926	0.00504	0.029242	0.010693	0.024223	0	0	0	0	0	0.015625	0	0
LOC112447073	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447074	1	0.031832	0.020542	0.009931	0.005447	0	0	0.038652	0.105773	0.188068	0.030237	0.01355	0.072546	5.353769
LOC112447075	1	0	0.061917	0.054428	0.041795	0	0	0	0	0	0	0.031628	0	0
LOC112447076	1	0	0.129457	0	0	0	0	0	0	0	0.06352	0.025891	0.012704	0.490665
LOC112447077	1	0.021314	0.003282	0.014811	0.005803	0	0	0	0	0.005009	0.012884	0.009042	0.003579	0.395763
LOC112447078	1	0.047892	0.016641	0.024137	0.04413	0.019994	0	0.015657	0.047605	0.057134	0.128604	0.030559	0.0498	1.629642
LOC112447079	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447080	1	0.027003	0.030495	0.058974	0.064694	0.073278	0	0	0	0	0.089777	0.050889	0.017955	0.352835
LOC112447081	1	0	0	0	0.001183	0	0	0	0	0	0	0.000237	0	0
LOC112447082	2.21E-06	1.567434	1.428886	1.134198	1.470425	0.461223	0	0	0	0	0	1.212433	0	0
LOC112447083	1	0.206509	0.466424	0	0	0.062267	0	0	0	0	0	0.14704	0	0
LOC112447084	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447085	1	0	0	0	0	0.035148	0	0	0	0	0	0.00703	0	0
LOC112447086	1	0	0.019325	0	0	0	0	0	0	0	0	0.003865	0	0
LOC112447087	1	0.113308	0.09597	0	0.135732	0.307482	0	0	0	0	0	0.130498	0	0
LOC112447088	1	0	0.01275	0	0.020286	0	0	0	0	0	0	0.006607	0	0
LOC112447089	1	0	0	1.022223	0.981199	0	0	0	0	0	0.097259	0.400685	0.019452	0.048546
LOC112447090	1	0.001297	0.002929	0.002832	0.001553	0	0	0.013779	0.013406	0.170957	0.145516	0.001722	0.068732	39.90621
LOC112447091	1	0.0013	0.002937	0	0.003115	0	0	0.005526	0.010081	0.060492	0.023774	0.00147	0.019975	13.58511
LOC112447092	1	0.003595	0	0.015703	0.047372	0	0	0	0	0	0	0.013334	0	0
LOC112447093	2.07E-10	0.242699	0.533737	0.189302	0.150829	0.576898	0	0	0	0	0	0.338693	0	0
LOC112447094	1	0.006054	0.018992	0	0	0.003651	0	0	0	0	0	0.005739	0	0
LOC112447095	1	0.017658	0.013805	0	0	0.007372	0.021325	0.017318	0.052656	0	0	0.007767	0.01826	2.350953
LOC112447096	1	0.012921	0.020203	0.018993	0.013096	0.004046	0.014304	0.011088	0.025044	0.020552	0.004957	0.013852	0.015189	1.096535
LOC112447097	1	0	0.006716	0	0	0	0	0	0.01537	0	0	0.001343	0.003074	2.288524
LOC112447098	1	0.188044	0	0.051335	0.028157	0	0.061506	0	0	0	0	0.053507	0.012301	0.229898
LOC112447099	1	0.003603	0.002959	0.006437	0.006669	0.001777	0.006856	0.010439	0.028778	0.003386	0.010344	0.004289	0.01196	2.788602
LOC112447100	1	0	0	0	0.002676	0	0	0.004748	0	0	0	0.000535	0.00095	1.773905
LOC112447101	1	0.001894	0.006111	0.001182	0.001296	0	0	0.001725	0	0.005595	0.002249	0.002097	0.001914	0.91275
LOC112447102	1	0.009944	0.002807	0	0	0	0.039028	0	0	0	0	0.00255	0.007806	3.06084
LOC112447103	1	0.203674	0.487258	0.16388	0.12199	0.349076	0	0.011389	0.034631	0.083125	0.102463	0.265176	0.046322	0.174683
LOC112447104	1	0.018881	0.016584	0.018326	0.030156	0	0	0.004458	0	0.005423	0.010462	0.016789	0.004068	0.242324
LOC112447105	1	0.022523	0	0	0	0	0	0	0.049894	0	0	0.004505	0.009979	2.215237
LOC112447106	1	0.024512	0.091348	0.03212	0.020554	0.013303	0.128278	0.072921	0	0	0.008149	0.036367	0.04187	1.151298
LOC112447107	1	0.007901	0.007436	0.017256	0.003155	0.007147	0	0	0	0	0	0.008579	0	0

LOC112447108	1	0.040947	0.046241	0.014904	0.089925	0.018519	0	0	0	0	0	0.042107	0	0
LOC112447109	1	0.001748	0.001974	0	0	0	0	0.014857	0	0	0	0.000744	0.002971	3.991817
LOC112447110	1	0.003249	0.011008	0	0	0	0	0	0	0	0	0.002852	0	0
LOC112447111	1	0.020626	0.040234	0.028667	0.021339	0.01781	0.002453	0.000996	0	0.012117	0.005455	0.025735	0.004204	0.163368
LOC112447112	1	0	0	0.121928	0.120379	0	0.116869	0.047454	0	0	0.092806	0.048461	0.051426	1.061167
LOC112447113	1	0.001212	0.004107	0.007942	0.00726	0	0	0	0.003133	0	0.014105	0.004104	0.003448	0.840011
LOC112447114	1	0.009766	0	0	0	0	0	0	0	0	0	0.001953	0	0
LOC112447115	0.481068	0.005834	0.001757	0.04162	0.033544	0.002111	0	0	0	0	0	0.016973	0	0
LOC112447116	1	0.01179	0	0	0	0.031993	0	0	0	0	0	0.008757	0	0
LOC112447117	1	0.000805	0.007277	0.005277	0	0	0	0.005135	0	0.024984	0.008034	0.002672	0.00763	2.855766
LOC112447118	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447119	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447120	1	0.010745	0.006067	0.015645	0.017162	0	0	0	0	0.018516	0.014885	0.009924	0.00668	0.673151
LOC112447121	1	0.004139	0	0	0	0	0	0	0.010698	0	0	0.000828	0.00214	2.584443
LOC112447122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447123	1	0.004346	0.019634	0	0.026033	0	0	0	0	0	0	0.010003	0	0
LOC112447124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447125	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447126	1	0.002747	0.002908	0.004874	0.002056	0	0	0.000365	0	0.001775	0.01227	0.002517	0.002882	1.145063
LOC112447127	1	0.004728	0	0.006884	0.035869	0	0	0	0	0	0.010479	0.009496	0.002096	0.220704
LOC112447128	1	0.319523	0.160373	0	0.085057	0.096342	0.55739	0.075441	0.091754	0.183536	0.059017	0.132259	0.193428	1.462491
LOC112447129	1	0.01248	0.003523	0	0.003737	0.008467	0	0	0.012095	0	0	0.005642	0.002419	0.428793
LOC112447130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447131	1	0.063541	0.066278	0.042388	0.017714	0.006897	0.001209	0.000982	0.001791	0.009556	0.004993	0.039364	0.003706	0.094157
LOC112447132	1	0.008286	0.012997	0.009048	0.008272	0	0.002409	0.001956	0.007138	0.007139	0.015305	0.00772	0.00679	0.879423
LOC112447133	1	0.004009	0	0.008755	0	0	0	0	0	0.082895	0.019992	0.002553	0.020577	8.060889
LOC112447134	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447135	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447136	1	0.005514	0	0	0	0	0	0	0	0	0	0.001103	0	0
LOC112447137	0.000228	0.159991	0.343873	0.789	1.323019	0.280105	0	0	0	0	0	0.579197	0	0
LOC112447138	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447139	1	0.045474	0	0	0.054473	0	0	0	0	0	0	0.01999	0	0
LOC112447140	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447141	1	0.004117	0.041842	0	0	0	0	0	0	0	0	0.009192	0	0
LOC112447142	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447143	1	0.001778	0.004684	0.003882	0.00071	0	0.012403	0.002518	0.010719	0	0	0.002211	0.005128	2.319727
LOC112447144	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447145	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447146	1	0.087042	0.045368	0.029245	0.080205	0	0	0	0	0.138453	0.122432	0.048372	0.052177	1.078663
LOC112447147	1	0.00474	0.003569	0	0.001893	0	0	0	0	0	0	0.00204	0	0
LOC112447148	1	0.00081	0	0.00354	0.000971	0.004398	0.004241	0.001722	0.010472	0.012568	0.005388	0.001944	0.006878	3.538579
LOC112447149	1	0.011803	0.004998	0	0.012371	0	0	0	0	0	0	0.005834	0	0
LOC112447150	1	0.003863	0.008725	0.016872	0.009254	0	0	0	0	0.019969	0.032106	0.007743	0.010415	1.345128
LOC112447151	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447152	1	0.00436	0.000985	0	0	0	0	0	0	0	0.008696	0.001069	0.001739	1.627264
LOC112447153	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112447154	1	0.001723	0.006487	0.005018	0.003441	0	0.003006	0.021971	0.072744	0.038605	0.008594	0.003334	0.028984	8.694025
LOC112447155	1	0.030316	0	0.066209	0	0	0	0	0	0	0	0.019305	0	0
LOC112447156	1	0	0	0.003037	0	0	0	0	0	0.035943	0.004623	0.000607	0.008113	13.35778
LOC112447157	1	0.007196	0	0	0	0	0	0.015291	0	0	0.011962	0.001439	0.00545	3.787283
LOC112447158	1	0	0	0.022183	0.024335	0	0	0	0	0	0	0.009304	0	0
LOC112447159	1	0.000737	0.001664	0.003218	0.00353	0	0	0	0	0	0	0.00183	0	0
LOC112447160	1	0	0.009842	0	0	0	0	0	0	0	0	0.001968	0	0
LOC112447161	1	0.002988	0.00092	0.004746	0.001952	0	0	0.000577	0	0.014043	0.007677	0.002121	0.004459	2.10211
LOC112447162	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447163	1	0.0248	0.04481	0.07041	0.071298	0.02019	0	0	0	0	0	0.046302	0	0
LOC112447164	1	0	0.037539	0	0	0	0	0	0.085908	0	0	0.007508	0.017182	2.288524
LOC112447165	1	0	0.035736	0	0	0	0	0	0	0	0	0.007147	0	0
LOC112447166	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447167	1	0	0	0.018576	0	0	0	0	0	0	0.01414	0.003715	0.002828	0.761155
LOC112447168	1	0	0.098078	0	0.026009	0	0	0	0	0	0	0.024817	0	0
LOC112447169	1	0.002923	0.006603	0.001277	0.001401	0	0	0	0	0	0	0.002441	0	0
LOC112447170	1	0	0.01581	0.030575	0.01677	0	0	0	0	0	0	0.012631	0	0
LOC112447171	1	0.006056	0.013679	0	0.02902	0.03287	0	0	0	0	0	0.016325	0	0
LOC112447173	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447174	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447175	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447176	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447177	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447178	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447179	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447180	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447181	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447182	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447183	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447184	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447185	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447186	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447187	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447188	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447189	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447191	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447193	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447194	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447195	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447196	1	0	0	0	0	0	0	0.486688	0.591928	0	0.761466	0	0.368016	#DIV/0!
LOC112447197	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447198	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447199	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447200	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112447201	1	0	1.101785	0	0	0	0	0	0	0	0	0.220357	0	0
LOC112447202	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447203	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447204	1	0	0	0	0	0	0	0	0	1.814773	0.291777	0	0.42131	#DIV/0!
LOC112447205	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447206	1	1.755222	0.792873	0	0	0	0	0	0	0	0	0.509619	0	0
LOC112447207	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447208	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447209	1	0.175522	0	0.383334	0.420514	0	0	0	0	0	0	0.195874	0	0
LOC112447210	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447211	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447212	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447213	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447214	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447215	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447216	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447217	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447218	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447219	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447220	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447221	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447222	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447223	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447224	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447225	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447226	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447227	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447228	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447229	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447230	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447231	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447232	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447233	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447279	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447286	1	0.003485	0.007178	0.003134	0.001719	0.000556	0	0.002178	0.00106	0.009539	0.01261	0.003215	0.005077	1.57952
LOC112447287	1	0.008641	0.00122	0	0	0.005862	0	0	0	0	0	0.003145	0	0
LOC112447288	1	0.003595	0.002707	0	0.002871	0	0	0	0	0.037173	0	0.001835	0.007435	4.052288
LOC112447289	1	0.00172	0	0	0.002061	0	0.027009	0.007311	0	0.026681	0	0.000756	0.0122	16.13308
LOC112447290	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447291	1	0.325708	0.086547	0.062765	0.057377	0	0	0.010178	0	0	0.015925	0.106479	0.005221	0.049029
LOC112447292	1	0	0	0	0	0	0.017105	0.013891	0.016895	0	0.070634	0	0.023705	#DIV/0!
LOC112447293	1	0.003775	0.004264	0.001031	0.001413	0.001281	0.008644	0.010028	0.021344	0.028056	0.021181	0.002353	0.017851	7.587321
LOC112447294	1	0.003812	0.01851	0.01998	0.005023	0.003103	0	0	0	0	0.017109	0.010086	0.003422	0.33927
LOC112447295	1	0.002722	0.001845	0.002378	0.004566	0	0.008548	0.004628	0.004221	0.078812	0.018102	0.002302	0.022862	9.930878
LOC112447296	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447297	1	0	0	0.005616	0	0	0	0	0	0	0	0.001123	0	0

LOC112447298	1	0.00102	0.002304	0	0	0.011074	0.002669	0.001084	0	0	0	0.00288	0.000751	0.260686
LOC112447299	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447300	1	28.67124	34.85048	18.29522	18.5483	62.84478	89.37708	62.30308	27.58641	23.60902	54.80361	32.64201	51.53584	1.57882
LOC112447301	1	0.002605	0.001961	0	0	0	0	0	0.002244	0	0	0.000913	0.000449	0.491469
LOC112447302	0.175081	0.357782	0.440228	0.454834	0.371014	0.318804	0.027946	0	0	0.027606	0.044385	0.388532	0.019987	0.051443
LOC112447303	1	0.065202	0.02241	0	0	0.092314	0	0	0	0	0	0.035985	0	0
LOC112447304	1	0.274173	0.12385	0	0	0.093002	0.143484	0.116521	0.425151	0	0	0.098205	0.137031	1.395357
LOC112447305	0.000284	0.142028	0.187693	0.17819	0.235292	0.328014	0	0	0	0	0	0.214243	0	0
LOC112447306	1	0.0267	0	0.023325	0.051174	0	0	0	0	0	0	0.02024	0	0
LOC112447307	1	0.03194	0.03607	0	0	0	0	0	0	0	0	0.013602	0	0
LOC112447308	1	0.020179	0.033726	0.026442	0.027073	0.032855	0.004224	0.022297	0.008344	0.025036	0.017443	0.028055	0.015469	0.551376
LOC112447309	1	0.349497	0.368723	1.01437	1.580995	1.410152	0.673855	1.446241	1.580698	1.331308	1.41423	0.944747	1.289266	1.364668
LOC112447310	1	0.009866	0.011142	0	0	0	0	0	0	0	0	0.004202	0	0
LOC112447311	1	0.236643	0.145769	0.046984	0	0	0	0	0	0	0	0.085879	0	0
LOC112447312	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447313	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447314	1	0	0	0	0	0	0	0	0	0.058878	0.075731	0	0.026922	#DIV/0!
LOC112447315	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447316	1	0.459752	0.1298	0.276122	0.385514	0.311904	0	0.024424	0	0.356513	0.99354	0.312619	0.274895	0.879331
LOC112447317	1	0.383703	0.162494	0.673386	0.287272	0	5.773122	0.596952	0.265623	0.814695	0.227801	0.301371	1.535638	5.095507
LOC112447318	1	0	0	0	0	0	0.128647	0	0.254126	0	0	0	0.076555	#DIV/0!
LOC112447319	1	0.017392	0.006547	0	0.013889	0.031465	0	0	0	0.014985	0	0.013859	0.002997	0.216259
LOC112447320	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447321	1	0	0.006615	0.006396	0	0.007948	0	0.012447	0.034062	0.052993	0.036515	0.004192	0.027203	6.489596
LOC112447322	1	0.111592	0.037806	0.146227	0.133675	0.151412	0.0584	0	0.05768	0.057689	0.064926	0.116142	0.047739	0.411038
LOC112447323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447324	1	0	0	0.253759	0.316332	0	0	0	0	0.054607	0.333623	0.114018	0.077646	0.680996
LOC112447325	1	0	0.00776	0	0	0	0	0	0	0	0.005711	0.001552	0.001142	0.735998
LOC112447326	1	0.196757	0.073052	0	0	0.17554	0	0	0	0	0	0.08907	0	0
LOC112447327	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447328	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447329	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447330	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447331	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447332	1	0	0	0.41431	0.23036	0	0.0136	0	0	0.161213	0.600469	0.128934	0.155056	1.202602
LOC112447333	1	0	0	0	0	0	0	0	0.027831	0	0.304324	0	0.066431	#DIV/0!
LOC112447334	0.016722	0.007608	0	0.016616	0	0	0	0	0	0	0	0.004845	0	0
LOC112447335	1	0.523828	0.54192	0.277338	0.193074	0.265081	0.044731	0.101192	0.138852	0.34718	0.083221	0.360248	0.143035	0.397046
LOC112447337	1	0.002931	0.00662	0.010669	0	0.015908	0.005113	0	0	0.030304	0.011369	0.007225	0.009357	1.295038
LOC112447338	1	0.243439	0.264735	0.20085	0.181449	0.445303	0.150992	0.298882	0.671098	0.298309	1.010194	0.267155	0.485895	1.818775
LOC112447339	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447340	1	0.231658	0.180638	0	0	0.209548	0	0	0	0	0	0.124369	0	0
LOC112447341	1	0.045474	0.051354	0	0	0	0.555291	0.289892	0.195876	0	0	0.019366	0.208212	10.75156
LOC112447342	1	0.01443	0.032592	0.031515	0	0.039159	0	0	0	0	0	0.023539	0	0
LOC112447343	1	0.017819	0.036587	0.024764	0.013583	0	0.008477	0.010326	0	0.008374	0.005386	0.018551	0.006513	0.351079
LOC112447344	1	0.003304	0.014926	0	0	0	0.259377	0.17553	0.128091	0	0	0.003646	0.1126	30.88334

LOC112447345	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447346	1	0.094398	0.125987	0	0	0.116439	0.089821	0.127649	0.365949	0	0	0.067365	0.116684	1.732122
LOC112447347	1	0.026681	0.018079	0	0	0.028962	0	0.00378	0.004597	0	0	0.014744	0.001675	0.113628
LOC112447348	1	0.004726	0.002669	0.024083	0.028306	0.021374	0	0	0	0.008144	0.024878	0.016232	0.006604	0.40688
LOC112447349	1	0.002229	0.002518	0	0	0	0	0.004737	0.040333	0	0	0.000949	0.009014	9.494198
LOC112447350	1	0.749226	0.564858	0.041136	0.027577	0.28396	0.010952	0.071154	0.091949	0.075734	0.069579	0.333351	0.063873	0.19161
LOC112447351	1	0.061242	0.023054	0	0	0	0	0	0	0	0	0.016859	0	0
LOC112447352	1	0.018802	0.036401	0	0	0	0.056228	0	0	0	0	0.011041	0.011246	1.01857
LOC112447353	1	0	0	0	0.043769	0	0	0	0	0	0	0.008754	0	0
LOC112447354	1	0.00323	0	0	0	0	0	0	0	0	0	0.000646	0	0
LOC112447355	0.921534	0.00378	0.002134	0	0	0	0.00989	0.017402	0.045585	0.042335	0.059688	0.001183	0.03498	29.57493
LOC112447356	1	0.002763	0.0039	0	0.001655	0	0	0	0.001785	0.032133	0.00574	0.001663	0.007932	4.768423
LOC112447357	1	0	0.011558	0	0	0	0	0	0	0	0	0.002312	0	0
LOC112447358	1	0.05233	0.02182	0.501104	0.057864	0.013108	0	0.005132	0.012484	0.070753	0.037473	0.129245	0.025168	0.194734
LOC112447359	1	1.579161	1.862512	0.099052	0.148172	1.734269	0.107889	0.008761	0.21312	0	0.054832	1.084633	0.07692	0.070918
LOC112447360	1	0.248518	0.380886	0	0	1.396965	0	0	0	0	0	0.405274	0	0
LOC112447361	1	1.347166	1.170279	7.498732	8.76397	0.928002	5.314738	0.513811	0.151765	0.053572	0.183749	3.94163	1.243527	0.315485
LOC112447362	1	0.099465	0.034038	0.296221	0.3755	0.351709	0.047321	0.019214	0	0	0.025052	0.231387	0.018318	0.079164
LOC112447363	1	0.067924	0.138072	0.281851	0.366144	0.110593	0	0	0	0.035114	0.033874	0.192917	0.013798	0.071521
LOC112447364	1	0.134269	0.126359	0.134401	0.08042	0	0	0	0	0.086765	0.0186	0.09509	0.021073	0.221612
LOC112447366	1	0	0	0.646527	0.124346	0	0	0	0	0	0	0.154175	0	0
LOC112447367	1	0.002101	0.004746	0	0	0	0	0	0.005431	0	0	0.00137	0.001086	0.793112
LOC112447368	1	0	0	0.039401	0	0	0	0.019168	0	0	0.014995	0.00788	0.006833	0.867068
LOC112447370	1	0	0.011324	3.153447	2.053963	0	0	0	0	0.15551	0.700077	1.043747	0.171117	0.163945
LOC112447371	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447372	1	0.003257	0.003678	0.014225	0.007802	0.017675	0.034086	0	0	0.168355	0.054136	0.009327	0.051315	5.501704
LOC112447373	1	0	0.018945	0.036638	0.030144	0	0	0	0	0	0.013944	0.017146	0.002789	0.162652
LOC112447374	1	0	0.164286	1.270851	0.261396	0.355295	0	0	0	0.150411	0.072549	0.410366	0.044592	0.108664
LOC112447375	1	0.064238	0.03957	0	0	0.039618	0.229213	0.124093	0.045278	0	0	0.028685	0.079717	2.779021
LOC112447376	1	0.123966	0	0	0	0	0	0	0	0	0	0.024793	0	0
LOC112447377	1	0.047916	0.03451	0.052857	0.017278	0.03118	0.016632	0.021299	0.048018	0.09605	0.02479	0.036748	0.041358	1.125434
LOC112447378	1	0.013035	0.017233	0.053463	0.007236	0.005176	0.006655	0.012836	0.00986	0.034514	0.025896	0.019229	0.017952	0.933613
LOC112447379	1	0.028673	0	0	0	0	0	0	0	0	0.035748	0.005735	0.00715	1.24675
LOC112447380	1	0.048479	0.043798	0	0.058073	0.052623	0	0	0	0	0	0.040595	0	0
LOC112447381	1	0.004845	0	0.084658	0.179934	0	0	0	0.012523	0.050098	0.249696	0.053887	0.062463	1.159148
LOC112447382	1	0.003742	0.002113	0.010215	0.006723	0	0	0	0	0	0	0.004559	0	0
LOC112447383	1	0.000593	0.00268	0	0	0	0	0	0	0	0	0.000655	0	0
LOC112447385	1	0.23858	0.43487	0	0	0.136301	0	0	0.032452	0	0	0.16195	0.00649	0.040077
LOC112447386	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447387	1	0.008417	0.007723	0.006319	0.006616	0.004996	0.001376	0	0	0.004079	0.000874	0.006814	0.001266	0.185792
LOC112447388	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447389	1	0.006039	0.010993	0.003914	0.00545	0.002469	0.001443	0.001992	0.001782	0.010834	0.006372	0.005773	0.004485	0.776791
LOC112447390	1	0.01408	0.024827	0	0	0.005363	0.001293	0.0021	0.004469	0	0	0.008854	0.001572	0.177573
LOC112447391	1	0.050807	0.037189	0	0	0.00766	0.014772	0	0	0	0	0.019131	0.002954	0.154426
LOC112447392	1	0.153823	0.347427	0	0	0.14349	0.251565	0.561803	0.795096	0	0	0.128948	0.321693	2.494744
LOC112447393	1	0.157642	0.202302	0.187791	0.025751	0.194449	0	0	0	0	0	0.153587	0	0

LOC112447394	1	0.004468	0.004573	0.00183	0.002174	0.000379	0.000365	0.001335	0.000722	0.005414	0.002901	0.002685	0.002148	0.799868
LOC112447395	1	0.124664	0.098122	0.10313	0.029414	0.015377	0	0.004014	0	0.019529	0.031399	0.074142	0.010988	0.148209
LOC112447396	1	0.00196	0.001107	0.00428	0.002348	0	0.005128	0.014577	0	0.05066	0.174305	0.001939	0.048934	25.23741
LOC112447397	1	0.004659	0.001315	0.003179	0.00279	0.00079	0.010666	0.006806	0.009783	0.027094	0.045498	0.002547	0.019969	7.841028
LOC112447398	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447399	1	0.028673	0.010794	0.438346	0.595354	0	0	0	0	0	0	0.214633	0	0
LOC112447400	1	0.074857	0.112716	0.445044	0.269014	0.259566	0	0.017674	0.021496	0.042998	0	0.232239	0.016434	0.070762
LOC112447401	1	0	0	0.002297	0.00126	0	0	0.002235	0.002718	0.01631	0.006993	0.000711	0.005651	7.944647
LOC112447402	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447403	1	0	0.011455	0.011077	0.006075	0	0	0	0	0	0	0.005721	0	0
LOC112447404	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447405	1	0.009386	0.019432	0.006833	0	0	0	0	0	0	0	0.00713	0	0
LOC112447406	1	0.02692	0.0304	0	0.003583	0	0.02348	0	0.00773	0.046388	0.044749	0.012181	0.024469	2.008892
LOC112447407	1	0.024457	0.038668	0.053414	0.026368	0.112828	0.051198	0.031183	0.208589	0	0.073182	0.051147	0.07283	1.423937
LOC112447408	1	0.004991	0	0	0	0	0	0	0	0	0	0.000998	0	0
LOC112447409	1	0.066032	0.091409	0.032564	0.035722	0.069364	0	0.049789	0.187172	0.06607	0.042491	0.059018	0.069104	1.170897
LOC112447410	1	0.005258	0	0.022966	0	0	0	0	0	0	0	0.005645	0	0
LOC112447411	1	0.288791	0.219204	0	0	0.693753	0	0	0	0	0	0.24035	0	0
LOC112447412	0.051619	0.44633	0.316263	0.114679	0.283053	1.424934	0	0	0	0	0	0.517052	0	0
LOC112447414	1	0	0	0	0	0	0.076786	0.015589	0.00948	0	0	0	0.020371	#DIV/0!
LOC112447415	1	0	0.014827	0	0	0	0	0	0	0	0	0.002965	0	0
LOC112447416	1	0.067695	0.07025	0	0	0.049649	0.0383	0.019439	0.061471	0	0	0.037519	0.023842	0.635461
LOC112447417	1	0.001732	0	0.007567	0	0.009402	0	0	0.008955	0.089558	0.086394	0.00374	0.036982	9.887232
LOC112447418	1	0.355567	0.264936	0.360252	0.265658	0.363077	0.172651	0.081788	0.033158	0.2653	0.012187	0.321898	0.113017	0.351095
LOC112447419	1	0	0	0.016428	0.027032	0	0	0	0	0.894394	0.062521	0.008692	0.191383	22.01821
LOC112447420	1	0.639919	0.840307	0	0	1.292301	0.778815	0.126493	0.461535	0	0	0.554506	0.273369	0.492995
LOC112447421	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447422	1	0.027989	0.031609	0	0	0	0	0	0	0	0	0.01192	0	0
LOC112447424	1	0.019771	0.039401	0	0	0.003156	0	0	0	0	0	0.012465	0	0
LOC112447425	1	0	0.011932	0	0	0	0	0	0	0	0	0.002386	0	0
LOC112447426	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447427	1	0.006867	0	0	0	0	0.574985	0.357498	0.266205	0	0	0.001373	0.239738	174.5612
LOC112447429	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447430	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447431	1	0.002557	0.002887	0	0	0	0	0	0	0	0	0.001089	0	0
LOC112447432	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447433	1	0.495343	0.190432	0	0	0.428999	0.055155	0.067186	0.108952	0	0	0.222955	0.046259	0.20748
LOC112447434	1	0	0	0	0	0	0.240898	0	0	0	0.07652	0	0.063484	#DIV/0!
LOC112447435	1	0	0.046124	0	0	0.018472	0.071248	0	0.035185	0	0	0.012919	0.021287	1.647667
LOC112447436	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447437	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447438	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447439	1	0.012275	0.003466	0.013404	0	0	0	0.013042	0	0.015864	0.096925	0.005829	0.025166	4.317458
LOC112447440	1	0	0.076776	0.074238	0.040719	0	0.088947	0.108349	0.043926	0	0	0.038347	0.048244	1.258107
LOC112447441	1	0.426691	0.189826	0	0	0.324563	0.033834	0.212937	0.208856	0	0	0.188216	0.091125	0.484152
LOC112447443	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112447444	1	0.050546	0.136732	0.079584	0.050692	0.082938	0.024607	0.019983	0.078988	0.571227	0.146555	0.080098	0.168272	2.100815
LOC112447445	1	0.026627	0.007517	0.067844	0.045186	0.04215	0.011612	0.004715	0	0.217949	0.147543	0.037865	0.076364	2.016739
LOC112447446	1	0	0	0	0	0.037571	0	0	0	0	0	0.007514	0	0
LOC112447447	1	0.080432	0	0	0	0	0	0	0	0	0	0.016086	0	0
LOC112447448	0.012037	0	0	0	0	0	0.114154	0.37081	0.620115	0.338294	0.072521	0	0.303179	#DIV/0!
LOC112447449	1	0	0	0	0	0.063946	0	0	0	0	0	0.012789	0	0
LOC112447450	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447451	1	0.001174	0.00928	0	0	0	0.015359	0	0	0	0	0.002091	0.003072	1.469187
LOC112447452	1	0.003172	0.003917	0.098705	0.010092	0.001883	0.010374	0.010741	0.008965	0.077369	0.073317	0.023554	0.036153	1.534931
LOC112447453	1	0	0.007314	0	0	0	0.067784	0	0	0	0	0.001463	0.013557	9.26822
LOC112447454	1	0	0	0	0	0	0.059218	0.012022	0.003656	0	0	0	0.014979	#DIV/0!
LOC112447455	1	0.021602	0.008809	0.014415	0.005032	0.001628	0.00628	0.00765	0.027914	0.052734	0.013965	0.010297	0.021709	2.108223
LOC112447456	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447457	1	0.003584	0.012142	0.011182	0.010426	0.002779	0.104497	0.014143	0.014555	0.068817	0.091068	0.008023	0.058616	7.306425
LOC112447458	1	0.017187	0	0	0.005147	0	0	0	0	0	0	0.004467	0	0
LOC112447459	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447460	1	0.011603	0	0.033786	0	0	0	0	0	0.059982	0.006429	0.009078	0.013282	1.463146
LOC112447461	1	2.044315	1.448625	0.939356	1.445683	2.210801	0.582595	0.069892	0.052311	0.170036	0.063088	1.617756	0.187584	0.115953
LOC112447462	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447463	1	0.001747	0.008878	0.007631	0.004186	0	0.096001	0.064967	0.081273	0.045158	0.00726	0.004488	0.058932	13.12985
LOC112447464	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447465	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447466	1	0	0.001397	0	0	0	0	0.001314	0	0	0	0.000279	0.000263	0.940821
LOC112447467	1	0.001461	0.003301	0.001064	0.000584	0	0	0	0	0	0.00081	0.001282	0.000162	0.126339
LOC112447468	1	0.004899	0	0	0	0	0.005128	0	0.005065	0.020262	0.006515	0.00098	0.007394	7.54602
LOC112447469	1	0.00325	0.001835	0.042589	0.02336	0	0	0.01036	0.0084	0.050406	0.048625	0.014207	0.023558	1.658224
LOC112447470	1	0.414947	0.692717	0.472815	0.929292	0.783326	0	0.11501	0.186506	0	0.089971	0.658619	0.078297	0.118881
LOC112447471	1	0.009187	0.007263	0.006019	0.004402	0	0.009616	0.003905	0	0.009499	0.003055	0.005374	0.005215	0.97032
LOC112447472	1	0.002019	0.00304	0	0.001612	0	0	0.00429	0.005218	0.010438	0.011188	0.001334	0.006227	4.666638
LOC112447473	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447474	1	0.358238	0.70097	0	0	0.231003	0	0	0	0	0	0.258042	0	0
LOC112447475	1	0.006976	0.011817	0	0	0.009465	0	0	0	0	0	0.005652	0	0
LOC112447476	1	0.029134	0.044651	0	0	0.022588	0.065343	0.013266	0.075295	0	0	0.019275	0.030781	1.596947
LOC112447477	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447478	1	1.310712	2.412919	0.862684	0.68826	2.143849	1.973247	4.082411	0.092807	0	0	1.483685	1.229693	0.82881
LOC112447479	1	0.002886	0.00163	0.009455	0.017287	0	0	0.001533	0	0	0	0.006252	0.000307	0.049052
LOC112447481	1	0.005865	0.002944	0.165097	0.139736	0.003537	0.010231	0	0.010105	0.023583	0.028166	0.063436	0.014417	0.227272
LOC112447482	1	0.01021	0.017571	0.226178	0.181718	0	0	0.0031	0.018849	0.020108	0.008891	0.087135	0.010189	0.116938
LOC112447483	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447484	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447485	1	0	0	0	0	0	0	0	0	0	0.02915	0	0.00583	#DIV/0!
LOC112447486	1	0.01137	0.028248	0	0.008172	0	0	0	0	0	0	0.009558	0	0
LOC112447487	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447488	1	0.042293	0.098779	0.004198	0.010363	0.065209	0	0	0	0.014907	0.004794	0.044169	0.00394	0.089207
LOC112447489	0.017092	0.623174	0.605114	0.344832	0.466812	0.419354	0.079114	0.003569	0.026047	0.017367	0.011169	0.491857	0.027453	0.055816
LOC112447490	1	0.018632	0.007671	0.001272	0.006277	0	0.002031	0	0	0.002007	0.001936	0.006771	0.001195	0.176469

LOC112447491	1	0.02098	0.012543	0.006468	0.002957	0.010047	0	0.002098	0	0.002552	0	0.010599	0.00093	0.087742
LOC112447492	1	0.271235	0.183785	1.184735	0.848781	0.101774	0	0.021347	0.074426	3.365254	1.800196	0.518062	1.052245	2.031117
LOC112447494	1	0.004735	0	0	0	0	0	0	0	0.024478	0.031484	0.000947	0.011192	11.81897
LOC112447495	1	0.211616	0.139404	0.246485	0.202794	0.373266	0.166118	0.292287	0.282569	1.203373	0.639059	0.234713	0.516681	2.201332
LOC112447496	1	0.00829	0.000936	0.004979	0.003228	0.001125	0.001085	0.000881	0	0.019286	0.003101	0.003712	0.00487	1.312226
LOC112447497	1	0.002054	0.003092	0.004485	0.00205	0	0.001791	0	0.000885	0.00177	0.001138	0.002336	0.001117	0.477972
LOC112447498	1	0.001098	0.00124	0	0.001315	0	0	0.002333	0.005674	0.017024	0.009124	0.00073	0.006831	9.351533
LOC112447499	1	0.023061	0.011838	0.012973	0.012138	0.007586	0.007314	0.002227	0.009933	0.043352	0.012778	0.013519	0.015121	1.118503
LOC112447500	1	0.000897	0	0	0	0	0	0.003811	0	0	0	0.000179	0.000762	4.249899
LOC112447501	0.567316	0.009307	0.016243	0.007391	0.008108	0.004018	0	0	0	0.001093	0.000352	0.009013	0.000289	0.032065
LOC112447502	1	0.00716	0.013477	0	0.005718	0	0	0	0	0	0	0.005271	0	0
LOC112447503	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447504	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447505	1	0.008155	0.004456	0.003447	0.008824	0.002856	0.009637	0.012298	0.016317	0.051679	0.065159	0.005548	0.031018	5.591313
LOC112447506	0.012885	0.487653	0.589541	2.020797	0.464329	0.288418	0.065437	0.019928	0.040395	0.03232	0.005196	0.770147	0.032655	0.042401
LOC112447507	0.000659	0	0	0	0	0	0.037992	0.617061	0.675443	1.163433	1.074058	0	0.713598	#DIV/0!
LOC112447508	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447509	3.11E-12	0	0.020403	0	0	0	6.807723	4.05035	2.778276	2.75533	3.619068	0.004081	4.002149	980.7544
LOC112447510	1	0.00368	0.006234	0	0	0	0.038521	0.027372	0.021401	0	0	0.001983	0.017459	8.804506
LOC112447511	1	0.135929	0	0	0	0	0	0	0	0	0	0.027186	0	0
LOC112447512	1	0	0	0.012096	0	0	0	0	0	0	0.009207	0.002419	0.001841	0.761155
LOC112447513	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447514	1	0	0	0	0	0	0	0	0	0	0.066004	0	0.013201	#DIV/0!
LOC112447515	1	0	0	0	0	0	0	0	0	0	0.03276	0	0.006552	#DIV/0!
LOC112447516	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447517	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447518	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447519	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447520	1	0	0	0	0.041662	0	0	0	0	0	0	0.008332	0	0
LOC112447521	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447522	1	0.004712	0.003193	0.109076	0.092564	0	0	0.004005	0	0.029229	0.004699	0.041909	0.007587	0.18103
LOC112447523	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447524	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447525	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447526	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447527	1	0.065591	0	0	0.02619	0	0	0	0	0	0	0.018356	0	0
LOC112447528	1	0.002318	0.00349	0	0.000926	0	0	0	0	0.003994	0	0.001347	0.000799	0.593181
LOC112447529	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447530	1	0.147881	0.07591	0	0	0.145927	0.070355	0	0	0	0	0.073944	0.014071	0.190294
LOC112447531	1	0.012256	0.005091	0.002769	0.002531	0.000765	0	0.000898	0.00182	0.012381	0.007494	0.004682	0.004519	0.965018
LOC112447532	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447533	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447534	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447535	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447536	1	0.008969	0.003683	0.001781	0.007813	0.001106	0.0128	0.025121	0.061107	0.056901	0.032528	0.00467	0.037692	8.070436
LOC112447537	1	0.007547	0.004261	0.020603	0.024862	0	0.187607	0.148344	0.229183	0.04877	0.04391	0.011455	0.131563	11.48553

LOC112447538	1	0.27979	0	0	0.08379	0	0	0	0	0	0	0.072716	0	0
LOC112447539	1	0.077699	0.07521	0.048483	0.026593	0.120485	0	0.141519	0.172121	0.57382	0.369032	0.069694	0.251298	3.605739
LOC112447540	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447541	1	0	0	0	0	0	0	0	0	0	0.008253	0	0.001651	#DIV/0!
LOC112447542	1	0.003249	0.001467	0.002838	0.003891	0	0	0	0.005037	0.013435	0.02484	0.002289	0.008663	3.784375
LOC112447543	1	0.000892	0.001511	0.000974	0.002671	0.00121	0	0	0	0	0	0.001452	0	0
LOC112447544	1	0.088904	0	0	0.053249	0	0	0	0	0	0	0.02843	0	0
LOC112447545	1	0.046835	0.317347	0	0.112207	0	0	0	0	0	0.077856	0.095278	0.015571	0.163429
LOC112447546	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447547	1	0.055157	0.020763	0.040153	0.022024	0.033262	0	0	0.007919	0	0	0.034272	0.001584	0.046215
LOC112447548	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447549	1	0.006141	0.017336	0.053643	0.029423	0.016663	0	0	0	0	0	0.024641	0	0
LOC112447550	1	0	0.055961	0.108224	0	0	0	0	0	0	0	0.032837	0	0
LOC112447551	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447552	1	0	0	0.063322	0.017366	0	0	0	0	0	0.012049	0.016138	0.00241	0.149334
LOC112447553	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447554	1	0	0	0	0	0.006211	0	0	0	0	0	0.001242	0	0
LOC112447555	1	0	0	0.078426	0.043016	0	0	0	0	0	0	0.024288	0	0
LOC112447556	1	0	0.027607	0	0	0	0	0	0	0	0	0.005521	0	0
LOC112447557	1	0	0.055668	0	0	0	0	0	0	0.127415	0.163885	0.011134	0.05826	5.232848
LOC112447558	1	0.003148	0	0	0.000943	0.004271	0	0.001672	0	0.004069	0.010466	0.001672	0.003241	1.938146
LOC112447559	1	0	0.017104	0	0	0	0	0	0	0	0	0.003421	0	0
LOC112447560	1	0	0	0	0.040318	0	0	0	0	0	0	0.008064	0	0
LOC112447561	1	0	0	0	0	0	0	0	0	0.138998	0.067044	0	0.041208	#DIV/0!
LOC112447562	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447563	1	0	0	0	0.028334	0	0	0	0	0	0	0.005667	0	0
LOC112447564	1	0.007992	0.018051	0.034908	0.02872	0.162655	0.334592	0.433049	1.28058	2.127725	0.445052	0.050465	0.9242	18.31367
LOC112447565	1	0.019571	0.015655	0.008905	0.000977	0	0.008535	0.003466	0.002108	0	0.001356	0.009022	0.003093	0.342819
LOC112447566	1	0.002679	0.001512	0.00585	0.001604	0	0	0	0	0	0	0.002329	0	0
LOC112447567	6.92E-06	0.002744	0.002817	0.003813	0.004781	0.000677	0.546943	0.524727	0.20564	0.083815	0.010366	0.002966	0.274298	92.47253
LOC112447568	1	0	0	0	0.003963	0	0	0	0	0	0	0.000793	0	0
LOC112447569	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447570	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447571	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447572	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447573	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447574	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447575	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447576	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447577	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447578	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447579	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447580	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447581	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447582	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447583	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112447584	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447585	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447586	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447587	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447589	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447590	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447591	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447592	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447593	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447594	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447595	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447596	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447597	1	0	1.357399	0	0	0	0	0	0	0	0	0.27148	0	0
LOC112447598	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447599	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447600	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447601	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447602	1	0.894328	2.019939	0	0	0	0	0	0	0	0	0.582853	0	0
LOC112447603	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447604	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447605	1	0	0	0	0.167892	0	0	0.297824	0.72445	0	0	0.033578	0.204455	6.088883
LOC112447606	1	0	0	0.607655	0.666593	0	0	0	0	0	0	0.25485	0	0
LOC112447607	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447608	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447609	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447610	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447611	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447612	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447613	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447614	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447615	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447616	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447617	1	0	0	1.025418	0	0	0	0	0	0	0	0.205084	0	0
LOC112447618	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447619	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447620	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447621	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447622	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447623	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447625	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447626	1	0.119769	0.296274	0	0	0.309536	0	0	0	0	0	0.145116	0	0
LOC112447627	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447628	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447629	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112447630	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447631	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447632	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447633	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447634	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447635	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447636	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447637	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447638	1	0.184126	0	0	0	0	0	0	0	0	0	0.036825	0	0
LOC112447639	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447640	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447641	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447642	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447643	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447644	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447645	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447646	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447647	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447648	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447649	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447650	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447651	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447653	1	0	0	0.766667	0.420514	0	0	0	0	0	0	0.237436	0	0
LOC112447654	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447655	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447656	1	0	0	0	0	0	0	0	0	1.79797	0	0	0.359594	#DIV/0!
LOC112447657	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447658	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447659	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447660	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447661	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447662	1	0.020984	0.023698	0	0	0	0	0	0	0	0	0.008936	0	0
LOC112447663	1	0.351044	0	0	0	0	0	0	0	0	0	0.070209	0	0
LOC112447664	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447665	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447666	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447667	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447668	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447725	1	0	0.014256	0	0	0	0	0	0	0	0	0.002851	0	0
LOC112447726	1	0.006526	0.005732	0.009502	0.003475	0	0	0.004623	0.001874	0.014995	0.420704	0.005047	0.088439	17.52252
LOC112447727	1	0.016497	0	0	0	0.012791	0	0.005008	0	0	0	0.005858	0.001002	0.17099
LOC112447728	1	0.00224	0.001265	0.007337	0.002683	0	0	0	0	0	0	0.002705	0	0
LOC112447729	1	0.002024	0.006859	0	0	0	0.005297	0.012906	0.007848	0	0	0.001777	0.00521	2.932639
LOC112447730	1	0.069073	0.046803	0	0	0	0	0	0	0	0	0.023175	0	0
LOC112447731	1	0.093148	0.052596	0	0	0	0	0	0	0	0	0.029149	0	0

LOC112447732	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447733	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447734	1	0.0109	0	0	0	0	0	0	0	0	0.01812	0.00218	0.003624	1.662334
LOC112447735	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447736	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447737	1	0.004496	0	0	0	0	0.011764	0	0.005809	0	0	0.000899	0.003515	3.908885
LOC112447738	1	0.525339	0.474615	0.458928	0.157325	1.496878	0	0	0.067885	0.135791	0	0.622617	0.040735	0.065426
LOC112447739	1	0	0	0.979921	0.69105	0	0	0	0.331318	2.650931	0.31966	0.334194	0.660382	1.976042
LOC112447740	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447741	1	0.017632	0.009956	0.015753	0.015361	0.006525	0.192941	0.073233	0.051784	0.120156	0.09193	0.013046	0.106009	8.126004
LOC112447742	1	0	0.009604	0.018572	0	0	0.089007	0.216845	0	0.087924	0	0.005635	0.078755	13.97573
LOC112447743	1	0	0.003748	0.144961	0.019878	0	0.017368	0.021157	0.008577	0.068627	0.066203	0.033717	0.036386	1.07916
LOC112447744	1	0	0	0	0	0.006769	0	0	0	0	0	0.001354	0	0
LOC112447745	1	0.002561	0	8.556799	1.809862	0	0	0	0	38.70905	33.44219	2.073844	14.43025	6.958212
LOC112447746	1	0.05614	0.078144	0.094095	0.034407	0.042515	0	0.008323	0.010123	0	0	0.06106	0.003689	0.060418
LOC112447747	1	0.157823	0.089115	0.344678	0.094527	0	0.412968	0	0	2.243685	2.820302	0.137229	1.095391	7.982236
LOC112447748	1	0.002907	0.002052	0.001587	0.002177	0.000986	0	0	0	0.001879	0.012686	0.001942	0.002913	1.500085
LOC112447750	1	0.008792	0.01117	0.0084	0.004608	0.005964	0	0	0.00142	0.014203	0.004567	0.007787	0.004038	0.518583
LOC112447751	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447752	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447753	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447754	1	0	0.017959	0	0	0	0	0	0	0	0	0.003592	0	0
LOC112447755	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447756	1	3.900249	5.183218	5.596252	5.707585	0.279261	0.753979	3.564424	1.675562	0.585202	0.427672	4.133313	1.401368	0.339042
LOC112447757	1	0.006933	0.008241	0.001594	0.000874	0	0.028643	0.002326	0.001886	0.013204	0.004852	0.003528	0.010182	2.885838
LOC112447758	1	0.007158	0.002695	0.005211	0.001905	0	0	0.01014	0.004111	0.004112	0.006611	0.003394	0.004995	1.471714
LOC112447759	1	0	0	0	0	0	0	0	0	0	0.02009	0	0.004018	#DIV/0!
LOC112447760	1	0.017836	0	0	0	0	0	0	0	0	0	0.003567	0	0
LOC112447761	1	0.006039	0.005456	0.010551	0.013021	0	0	0.002566	0.006243	0.012488	0	0.007013	0.004259	0.607324
LOC112447762	1	0.023562	0	0.010291	0.01129	0.012788	0	0	0	0	0	0.011586	0	0
LOC112447763	1	0.107319	0.31511	0	0	0.334914	0	0.011402	0	0	0	0.151469	0.00228	0.015056
LOC112447764	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447765	1	0.037598	0.049253	0.034487	0.017115	0.038771	0.011806	0.009587	0.095226	0.081634	0.0925	0.035445	0.058151	1.640606
LOC112447766	1	0.004193	0.001973	0.000763	0.001465	0	0.012801	0.012994	0.029802	0.055097	0.015974	0.001679	0.025334	15.08941
LOC112447767	1	0	0.04125	0	0.014585	0	0	0	0	0	0	0.011167	0	0
LOC112447768	1	0.046894	0.026479	0	0.028087	0	0	0.049823	0.060597	4.545429	6.333664	0.020292	2.197902	108.3149
LOC112447769	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447770	1.16E-16	0.082644	0.046665	0	0.098999	0	11.02885	22.21525	19.75699	23.71184	13.4291	0.045662	18.02841	394.8259
LOC112447771	1	0.271884	0.047237	0.137027	0	0	0	0	0	0	0	0.091229	0	0
LOC112447772	1	0.022053	0.008034	0.018644	0.004261	0	0.014892	0.019652	0.060673	0.077231	0.056764	0.010598	0.045842	4.325392
LOC112447773	1	0.063664	0.195717	0	0.008474	0.134371	0	0	0.018282	0.073138	0	0.080445	0.018284	0.227284
LOC112447774	1	1.963019	1.945398	0.734941	1.343707	3.130964	0.041931	0.493748	0.08283	0	0	1.823606	0.123702	0.067834
LOC112447775	1	0.001364	0.001541	0	0	0	0	0	0	0	0	0.000581	0	0
LOC112447776	1	0.009756	0.017027	0	0	0.009627	0.004641	0.0245	0.041258	0	0	0.007282	0.01408	1.933546
LOC112447777	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447778	1	0	0.017739	0	0.004342	0	0	0	0	0	0.020086	0.004416	0.004017	0.909639

LOC112447779	1	0.038999	0.006292	0.066921	0.006674	0	0.029156	0.023677	0.021598	0	0.009261	0.023777	0.016739	0.70398
LOC112447780	1	0	0	0.091828	0.067157	0	0	0	0	0	0	0.031797	0	0
LOC112447781	1	0	0	0.062147	0	0	0	0	0	0	0	0.012429	0	0
LOC112447782	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447783	1	0.020896	0.010891	0.059679	0.009627	0.017448	0.033648	0.092222	0.066468	0.00831	0.016032	0.023708	0.043336	1.827886
LOC112447784	1	0.049315	0	0.107703	0.039383	0.089217	0	0	0	0	0	0.057124	0	0
LOC112447785	1	0.09353	0.018107	0.12256	0.137648	0	0	0	0	0.151963	0.013327	0.074369	0.033058	0.444511
LOC112447786	1	0.013051	0	0	0.015634	0	0	0	0	0.033735	0	0.005737	0.006747	1.176044
LOC112447787	1	0	0	0	0.052687	0	0	0	0	0	0	0.010537	0	0
LOC112447788	1	0.120972	0	0.066049	0	0	0	0	0	0	0	0.037404	0	0
LOC112447789	1	0.023301	0	0	0	0	0	0	0	0	0	0.00466	0	0
LOC112447790	1	0	0.026045	0	0	0	0	0	0	0	0	0.005209	0	0
LOC112447791	1	0.015887	0.019062	0.030359	0.007136	0.010778	0.005196	0.00844	0.020529	0.010266	0.004952	0.016644	0.009876	0.593385
LOC112447792	1	0.002484	0	0	0	0	0	0.005279	0	0	0	0.000497	0.001056	2.12495
LOC112447793	1	0.073228	0.044754	0.071497	0.04128	0.023379	0.009017	0	0.004453	0.004454	0.005728	0.050827	0.00473	0.093069
LOC112447794	0.000598	0.002441	0.001838	0.000888	0.001949	0.001104	0.014903	0.036308	0.054673	0.168249	0.142693	0.001644	0.083365	50.70642
LOC112447795	1	0	0	0	0	0	0	0	0.003767	0	0	0	0.000753	#DIV/0!
LOC112447796	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447797	0.581468	0.758415	1.145356	1.499536	0.967634	0.231383	0	0.057216	0.150776	0	0.01492	0.920465	0.044582	0.048435
LOC112447798	1	0.003851	0.0021	0.00174	0.000159	0.001081	0.00139	0.001411	0.006178	0.004806	0.009713	0.001786	0.0047	2.630985
LOC112447799	1	0.001209	0.001365	0.009239	0.012308	0	0	0	0	0	0.006028	0.004824	0.001206	0.249909
LOC112447800	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447801	1	0.006659	0.008773	1.061592	0.455986	0	0	0	0.005736	0.785994	0.520243	0.306602	0.262395	0.855816
LOC112447802	6.25E-05	7.557992	6.293226	0.598056	0.738071	3.418318	0.09554	0.019397	0.070772	0	0	3.721133	0.037142	0.009981
LOC112447803	1	0.003856	0	0	0.00462	0	0	0	0	0	0	0.001695	0	0
LOC112447804	0.000456	0.078192	0.083305	0.15788	0.136081	0.100089	0	0	0	0	0.002452	0.111109	0.00049	0.004415
LOC112447805	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447806	1	0.103263	0.029154	0.098666	0.046387	0	0	0	0	0	0	0.055494	0	0
LOC112447807	1	0	0	0	0	0	0	0	0	0.375207	0.177427	0	0.110527	#DIV/0!
LOC112447808	1	0	0.02506	0	0	0	0.058066	0	0.133819	0	0.012296	0.005012	0.040836	8.147609
LOC112447809	1	0.00132	0.001703	0.013587	0.010162	0	0	0.000401	0.000974	0.016568	0.029145	0.005355	0.009418	1.758848
LOC112447810	1	0.005276	0.017873	0.276517	0.246461	0	0.151847	0.089682	0.299955	0.449997	0.491103	0.109225	0.296517	2.714723
LOC112447811	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447812	1	0.014213	0.007408	0.035816	0.023574	0	0	0	0	0	0.065428	0.016202	0.013086	0.807641
LOC112447813	1	0	0	0	0	0	0	0	0	0	0.040731	0	0.008146	#DIV/0!
LOC112447814	1	0	0.017432	0.022475	0.015409	0	0	0	0.006649	0	0	0.011063	0.00133	0.1202
LOC112447815	1	0	0.026331	0	0	0	0	0	0	0	0	0.005266	0	0
LOC112447816	1	0	0.070651	0	0	0	0	0	0	0	0.727983	0.01413	0.145597	10.30397
LOC112447817	1	0.039594	0.022357	0.230593	0.071145	0	0	0	0	0	0	0.072738	0	0
LOC112447818	1	0	0.014298	0	0	0	0	0	0	0	0	0.00286	0	0
LOC112447819	0.004518	0.950818	0.426495	1.407008	1.101723	0.277312	0	0	0.057414	0	0	0.832671	0.011483	0.01379
LOC112447820	1	0.002467	0.001671	0	0	0	0.012909	0.017822	0.028051	0	0	0.000828	0.011756	14.20478
LOC112447821	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447822	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447823	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447824	1	0.014478	0.011529	0.004054	0.001556	0.00403	0.024285	0.02406	0.04989	0.009596	0.018513	0.007129	0.025269	3.544325

LOC112447825	1	0.082013	0.555704	0	0	0.667666	0	0	0	0	0	0.261076	0	0
LOC112447826	1	0.055301	0.037471	0.092358	0.123917	0.012359	0.003405	0.002765	0.008407	0.127808	0.068135	0.064281	0.042104	0.655001
LOC112447827	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447828	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447829	1	0.003797	0.004288	0.005529	0.003791	0	0.006624	0.005379	0.027806	0.029446	0.009469	0.003481	0.015745	4.523074
LOC112447830	1	0	0.048116	0	0	0	0	0	0	0	0.049578	0.009623	0.009916	1.030397
LOC112447831	1	0	0.124322	0.048085	0	0	0	0	0	0	0	0.034481	0	0
LOC112447832	0.069477	0.156507	0.320607	0.27424	0.307379	0.395079	0	0.003867	0	0.04704	0.001513	0.290762	0.010484	0.036057
LOC112447833	1	0.012391	0.007668	0.003336	0.003253	0.000461	0.002665	0.003607	0	0.05616	0.034706	0.005422	0.019428	3.583251
LOC112447834	1	0.031406	0.070934	0	0	0	0	0	0	0	0	0.020468	0	0
LOC112447835	1	0.003463	0.002173	0.404242	0.299168	0	0.002014	0.004089	0.011934	0.037798	0.225811	0.141809	0.056329	0.397217
LOC112447836	1	0.001003	0.003399	0	0.006008	0	0	0	0	0	0.001668	0.002082	0.000334	0.160188
LOC112447837	1	0.006524	0.004421	0	0	0.003541	0.013658	0	0.030351	0.006746	0	0.002897	0.010151	3.503668
LOC112447838	0.092162	0.1962	0.10485	0.149207	0.151089	0.128352	0.018335	0	0.009055	0	0.002912	0.145939	0.00606	0.041527
LOC112447839	1	0.012991	0.005947	0.007668	0.002103	0	0.003675	0.002984	0.002722	0.009075	0.005836	0.005742	0.004859	0.846184
LOC112447840	1	0.062382	0.046587	0.057132	0.032542	0.030034	0.068452	0	0	0.031209	0.011708	0.045735	0.022274	0.487013
LOC112447841	0.003042	0.193068	0.105257	0.048466	0.156842	0.120442	0	0	0	0	0.003689	0.124815	0.000738	0.005911
LOC112447842	1	0.807288	0.550446	0	0	0.496011	0	0.032367	0.236195	0	0	0.370749	0.053712	0.144875
LOC112447843	1	0.166111	0.18759	0.453474	0.223856	0.619808	0	0	0	0.053671	0.017258	0.330168	0.014186	0.042965
LOC112447844	1	0.066343	0.117269	9.594294	6.057152	0.093931	0	0	0.037274	0.402617	0.767196	3.185798	0.241417	0.075779
LOC112447845	1	0.219877	0.225388	0.22902	0.174242	0.146874	0	0	0	2.028545	1.045918	0.19908	0.614893	3.08867
LOC112447846	1	0.57045	0.627656	0.151364	0.183607	0.542529	0.041851	0.484305	0.323794	0	0	0.415121	0.16999	0.409495
LOC112447847	1	0	0	0	0.009623	0	0	0	0	0	0	0.001925	0	0
LOC112447848	1	0	0.015997	0.010312	0.005656	0.121727	0	0	0	0	0	0.030738	0	0
LOC112447849	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447850	2.66E-05	0.62315	1.282037	1.522631	2.054634	1.741253	0.064577	0.026221	0	0	0	1.444741	0.01816	0.012569
LOC112447851	1	0.043075	0.072968	0.156792	0.171999	0	0	0	0	0	0	0.088967	0	0
LOC112447852	1	0	0	0	0.021816	0	0	0.01935	0	0	0	0.004363	0.00387	0.886952
LOC112447853	1	0.010571	0.001705	0	0.023518	0	0	0	0	0	0	0.007159	0	0
LOC112447854	1	0	0.012952	0	0.013739	0	0	0	0	0	0	0.005338	0	0
LOC112447855	1	0	0.066141	0	0	0	0	0	0	0	0	0.013228	0	0
LOC112447856	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447857	1	0.016491	0.029265	0	0	0.012786	0	0	0	0	0	0.011708	0	0
LOC112447858	1	1.175104	1.378948	0.389497	0.403684	8.040407	29.861	3.041085	4.131325	0.073532	0.336482	2.277528	7.488685	3.288076
LOC112447859	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447860	1	0	0.003524	0	0	0	0	0	0	0	0	0.000705	0	0
LOC112447861	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447862	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447863	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447864	1	0.012615	0.007123	0.003367	0.003526	0.002282	0.001467	0.000894	0.002898	0.006522	0.008155	0.005783	0.003987	0.689477
LOC112447865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447866	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447867	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447868	1	0.008111	0.020609	0.008857	0.002429	0	0	0	0	0.010483	0	0.008001	0.002097	0.262025
LOC112447869	1	0	0.006393	0.008242	0.009041	0.010241	0	0	0	0.126813	0.034504	0.006784	0.032264	4.756168
LOC112447870	1	0	0	0	0	0	0	0	0.197309	0	0	0	0.039462	#DIV/0!

LOC112447873	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447874	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447875	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447876	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447877	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447878	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447879	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447880	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447881	1	0.00048	0.002713	0.004197	0.010935	0	0	0	0	0.024838	0.003195	0.003665	0.005606	1.529683
LOC112447882	1	0	0	0	0.04455	0	0	0	0	0	0.061822	0.00891	0.012364	1.387714
LOC112447883	1	0	0.017257	0	0	0	0	0	0	0	0	0.003451	0	0
LOC112447884	1	0.011016	0.009953	0.014436	0	0	0	0	0	0	0	0.007081	0	0
LOC112447885	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447886	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447887	1	0.016526	0.034148	0.019965	0.009266	0.018129	0.00368	0.000747	0.008178	0.025448	0.007598	0.019607	0.00913	0.465671
LOC112447888	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447890	1	0.013509	0.041953	0	0.020228	0.018329	0	0	0	0	0	0.018804	0	0
LOC112447891	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447892	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447893	1	0	0.008167	0.00351	0.002888	0	0.012616	0.001708	0.002077	0.340639	0.082819	0.002913	0.087972	30.19993
LOC112447894	1	0.005585	0.003504	0	0.002973	0	0.003247	0	0.003207	0	0.006189	0.002412	0.002529	1.048261
LOC112447895	1	0.040725	0.038326	0.037059	0.048784	0	0	0	0	0	0.005642	0.032979	0.001128	0.034213
LOC112447896	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447897	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447898	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447899	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447900	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447901	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447902	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447903	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447904	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447905	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447906	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447907	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447908	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447909	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447910	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447912	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447913	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447914	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447915	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447916	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447917	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447918	1	0	0.302991	0	0	0	0	0	0	0	0	0.060598	0	0
LOC112447919	1	0.828568	0.623805	0.603187	1.323382	0.374744	0	0	0	0	0	0.750737	0	0

LOC112447920	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447921	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447922	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447923	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447924	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447925	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447926	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447927	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447929	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447930	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447931	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447932	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447933	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447934	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447935	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447936	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447937	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447938	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447939	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447940	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447941	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447942	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447943	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447944	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447945	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447946	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447947	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447948	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447949	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447950	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447951	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447952	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447953	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447954	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447955	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447956	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447957	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447958	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447959	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447960	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447961	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447962	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447963	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447964	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447965	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112447966	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112447967	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448000	1	0.015768	0.011871	0.026783	0.024134	0.019017	0	0.001861	0.004528	0	0.008737	0.019515	0.003025	0.155024
LOC112448001	1	0	0	0.052653	0.02888	0	0	0	0	0	0.040077	0.016307	0.008015	0.491545
LOC112448002	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448003	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448004	1	0.003521	0	0	0	0	0	0	0	0	0.005852	0.000704	0.00117	1.662334
LOC112448005	1	0.003753	0	0	0	0	0	0	0	0	0.006239	0.000751	0.001248	1.662334
LOC112448006	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448007	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448008	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448009	1	0	0.003079	0.011908	0	0	0.014267	0	0	0	0	0.002997	0.002853	0.951994
LOC112448010	1	0.020593	0.170543	0.119932	0.016446	0.07451	0	0.102105	0.354811	0.496807	0.159752	0.080405	0.222695	2.769673
LOC112448011	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448012	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448013	1	0.048848	0.071953	0.041745	0.030529	0.08645	0	0	0	0	0.007061	0.055905	0.001412	0.025261
LOC112448014	1	0.038803	0	0	0	0	0	0	0	0	0	0.007761	0	0
LOC112448015	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448016	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448017	0.143688	0.039591	0.067065	0.021616	0.047426	0.026859	0.647474	2.355596	2.698694	0.153503	0.139853	0.040511	1.199024	29.59722
LOC112448018	1	0.011117	0.005947	0.007667	0.002103	0.003176	0.033683	0.008703	0.003024	0.024198	0.123526	0.006002	0.038627	6.435816
LOC112448019	1	0	0.007497	0	0	0	0	0	0	0	0	0.001499	0	0
LOC112448020	1	0.018558	0.020958	0.020265	0	0	0	0	0	0	0	0.011956	0	0
LOC112448021	1	0.191085	0	0	0.0327	0	0	0.580064	0.705496	0.14112	0.181512	0.044757	0.321638	7.186346
LOC112448022	1	0.006356	0.000897	0.00694	0.00571	0	0	0.025323	0.016426	0.012321	0.002641	0.003981	0.011342	2.84935
LOC112448023	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448024	1	0.009366	0.005876	0	0.028672	0.016944	0	0	0	0.01076	0.00173	0.012172	0.002498	0.205225
LOC112448025	1	0.036562	0	0.079851	0.043798	0	0	0	0	0	0	0.032042	0	0
LOC112448026	1	0.028054	0.031681	0.037704	0.04136	0	0	0.064198	0.535408	0.11156	0.007175	0.02776	0.143668	5.175408
LOC112448027	1	0.00505	0	0	0	0.006852	0	0.021462	0	0	0.004197	0.00238	0.005132	2.155885
LOC112448028	1	0.004801	0.001998	0.003863	0.001816	0.000686	0.007934	0.009665	0.005224	0.013063	0.017222	0.002633	0.010622	4.034573
LOC112448029	1	0.00197	0.002909	0.002317	0.001634	0.000411	0.007931	0.009661	0.005483	0.011752	0.010077	0.001848	0.008981	4.85895
LOC112448030	0.210479	0.196499	0.282521	0.124174	0.143574	0.080232	0.007141	0.009182	0.01058	0.051732	0.026842	0.1654	0.021096	0.127543
LOC112448031	1	0	0	0	0	0	0	0.041313	0	0	0	0	0.008263	#DIV/0!
LOC112448032	1	0.036362	0.035931	0.03375	0.025046	0.002467	0.028544	0.019317	0.023494	0.023497	0.0272	0.026711	0.02441	0.913869
LOC112448033	1	0.004741	0.00438	0.005647	0.005679	0	0	0	0	0.162638	0.01791	0.004089	0.03611	8.830175
LOC112448034	1	0.002146	0.009696	0	0	0	0	0	0	0	0.014272	0.002368	0.002854	1.205196
LOC112448035	1	0.001449	0.003272	0	0	0	0	0	0	0	0	0.000944	0	0
LOC112448036	1	0	0.006737	0	0	0	0	0	0	0	0	0.001347	0	0
LOC112448037	1	0.03961	0.044732	0.111223	0.077952	0.015356	0	0.006012	0.021936	0	0	0.057775	0.00559	0.096751
LOC112448038	1	0.102269	0.189738	0	0	0	0	0	0.056637	0	0	0.058401	0.011327	0.193959
LOC112448039	1	0.003374	0.00127	0	0	0	0.005886	0	0.005814	0	0	0.000929	0.00234	2.519119
LOC112448040	1	0.017668	0.039905	0.077172	0.042328	0	0	0.187716	0.547937	0.365345	5.169083	0.035414	1.254016	35.4097
LOC112448041	1	0.026197	0.01225	0.016091	0.006129	0.004443	0.006426	0.003479	0.007405	0.165051	0.154117	0.013022	0.067296	5.167917
LOC112448042	1	0.044582	0.13536	0	0	0.247914	0	0	0	0	0	0.085571	0	0
LOC112448043	1	0	0.02207	0	0	0	0	0	0	0	0	0.004414	0	0

LOC112448044	1	0.043983	0.049671	0	0	0	0.460358	0	0	0.113689	0.073115	0.018731	0.129432	6.910143
LOC112448045	1	0.010556	0.00867	0.03563	0.012646	0	0	0.002039	0	0.044651	0.019144	0.0135	0.013167	0.975278
LOC112448046	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448047	1	0.001505	0	0.003288	0.012623	0	0	0	0	0	0	0.003483	0	0
LOC112448048	1	0.001093	0.004938	0	0	0	0	0	0	0	0	0.001206	0	0
LOC112448049	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448050	1	0.00456	0.003433	0	0	0	0.007955	0	0.007857	0	0	0.001599	0.003162	1.978129
LOC112448051	1	0.002633	0.010408	0.014378	0.015772	0	0.055124	0.005596	0.030626	0.034033	0.013132	0.008638	0.027702	3.206898
LOC112448052	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448053	1	0	0.005562	0	0	0	0	0	0	0	0	0.001112	0	0
LOC112448054	1	0.001649	0.003726	0	0	0	0.034529	0.02804	0.021315	0	0	0.001075	0.016777	15.60638
LOC112448055	1	0.002654	0	0	0	0	0	0	0	0	0	0.000531	0	0
LOC112448056	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448057	1	0.283762	0.408669	0.355123	0.282627	0.216302	0.050057	0.115176	0.185402	0.098895	0.119252	0.309297	0.113756	0.36779
LOC112448058	1	0.007844	0.059054	0	0	0	0.013683	0	0	0	0	0.01338	0.002737	0.204538
LOC112448059	1	0.067128	0.033692	0.008145	0.02457	0.040481	0	0	0	0	0	0.034803	0	0
LOC112448060	1	0	0	0	0	0.097262	0	0	0	0	0	0.019452	0	0
LOC112448062	1	0	0.037706	0	0.079991	0	0	0	0	0	0	0.023539	0	0
LOC112448063	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448064	1	0.006648	0.002502	0.006452	0.002654	0	0	0	0	0.003818	0	0.003651	0.000764	0.209149
LOC112448065	1	0.005731	0.009708	0	0	0	0.029993	0	0	0	0	0.003088	0.005999	1.942616
LOC112448066	1	0.007548	0.00341	0	0.003617	0	0.0158	0.012831	0.011704	0	0	0.002915	0.008067	2.767628
LOC112448067	1	0.001713	0.001935	0	0.030785	0.004649	0	0	0	0	0	0.007816	0	0
LOC112448068	1	0	0.017793	0	0	0	0	0	0	0	0	0.003559	0	0
LOC112448069	1	0.000648	0.002928	0.002124	0.001941	0	0	0.000689	0.000838	0.006702	0.003233	0.001528	0.002292	1.499926
LOC112448070	1	0.105033	0.101669	0.043693	0.095862	0.135726	0	0.095653	0.168041	0	0.016629	0.096397	0.056065	0.581603
LOC112448071	1	0.072796	0.056287	0.007161	0.006088	0.008676	0.005577	0.002613	0.007627	0.0089	0.007495	0.030202	0.006442	0.213312
LOC112448072	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448073	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448074	1	0.205718	0.075162	0.026428	0.007248	0	0	0	0	0	0	0.062911	0	0
LOC112448075	1	0.188288	0.204903	0.04486	0.069715	0.06503	0	0.021824	0.026543	0.017698	0.051218	0.114559	0.023456	0.204754
LOC112448076	1	0.009495	0.010723	0	0	0	0	0	0	0	0	0.004044	0	0
LOC112448077	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448078	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448079	1	0.045255	0.029812	0	0	0	0	0	0	0	0	0.015013	0	0
LOC112448080	1	0	0.013944	0.053934	0.029583	0	0	0	0	0	0.020526	0.019492	0.004105	0.210608
LOC112448081	1	0.04461	0	0	0	0	2.85988	0.829451	0.951163	0	0	0.008922	0.928099	104.0232
LOC112448082	1	0.000571	0.00129	0	0	0.003099	0	0.001213	0.002951	0	0	0.000992	0.000833	0.839728
LOC112448083	1	0.005745	0	0	0.006882	0	0	0	0	0	0	0.002525	0	0
LOC112448084	1	0.115246	0.159875	0.189996	0.122286	0.084501	0.0168	0.021829	0.038164	0.021574	0.026682	0.134381	0.02501	0.186112
LOC112448085	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448086	1	0.001819	0.002054	0.003973	0.001634	0	0	0.004832	0.004702	0.030565	0.015877	0.001896	0.011195	5.903886
LOC112448087	1	0.005483	0	0	0	0.02232	0	0	0	0	0	0.005561	0	0
LOC112448088	1	0.102132	0.103675	0.140348	0.206197	0.146362	0	0.014631	0	0.083054	0.076305	0.139743	0.034798	0.249014
LOC112448089	1	0	0.021631	0	0	0	0	0	0	0	0	0.004326	0	0
LOC112448090	1	0.012042	0	0.0263	0.006182	0	0	0	0	0	0	0.008905	0	0

LOC112448092	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448093	1	0	0	0.039363	0.059374	0	0	0	0	0	0.00749	0.019748	0.001498	0.075862
LOC112448094	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448095	1	0	0	0.004572	0	0	0	0	0	0	0	0.000914	0	0
LOC112448096	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448097	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448098	1	0.078812	0.089003	0.068849	0.084967	0.042774	0	0	0	0	0	0.072881	0	0
LOC112448099	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448100	1	0.003975	0.000898	0.006946	0.002857	0	0	0	0	0	0	0.002935	0	0
LOC112448102	2.15E-09	0.025597	0	0.039931	0	0	0	0	0	0.018904	0	0.013106	0.003781	0.288487
LOC112448103	1	0.123998	0	0.124987	0.171388	0.20707	0	0	0	0	0	0.125489	0	0
LOC112448105	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448106	1	0.006346	0.014333	0.034648	0	0	0	0	0	0	0	0.011065	0	0
LOC112448107	1	0.001347	0.001521	0	0.001613	0	0	0	0	0	0	0.000896	0	0
LOC112448108	1	0	0.021865	0	0.023193	0	0	0	0	0	0.096557	0.009012	0.019311	2.142919
LOC112448109	1	0.225499	0.291038	0.527659	0.347303	0.087419	0	0	0	0.083268	0.107102	0.295784	0.038074	0.128722
LOC112448110	1	0.012126	0.009928	0.057599	0.019246	0.025502	0.007932	0.003221	0.00235	0.01097	0.005543	0.02488	0.006003	0.241291
LOC112448111	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448112	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448113	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448114	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448115	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448116	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448117	1	0.030563	0.086287	0.133496	0.036611	0.124406	0	0	0	0	0	0.082273	0	0
LOC112448118	1	0.005185	0.005855	0.005662	0.004141	0	0	0	0	0	0	0.004168	0	0
LOC112448119	1	0	0.012966	0.025075	0.037822	0.031157	0	0	0	0	0	0.021404	0	0
LOC112448120	1	0	0	0	0	0	0	0	0	0	0.021726	0	0.004345	#DIV/0!
LOC112448121	1	0.053135	0.114557	0.021099	0.040505	0.131083	0	0	0	0	0.01606	0.072076	0.003212	0.044563
LOC112448122	1	0.013115	0	0	0	0	0	0	0	0	0.021802	0.002623	0.00436	1.662334
LOC112448123	1	0.004465	0.015969	0.003251	0.003566	0	0	0	0	0	0.001237	0.00545	0.000247	0.045399
LOC112448124	1	0.081215	0.175789	0.073904	0.05675	0	0	0	0	0	0	0.077532	0	0
LOC112448125	1	0.021626	0.013956	0.006747	0.025906	0	0	0	0	0	0	0.013647	0	0
LOC112448126	1	0.002684	0.001515	0	0.001608	0	0	0	0	0	0	0.001161	0	0
LOC112448127	1	0.005165	0	0.011281	0.012375	0	0	0.003659	0.0089	0	0	0.005764	0.002512	0.435733
LOC112448128	1	0.004359	0	0.003173	0.00174	0	0	0	0	0	0	0.001855	0	0
LOC112448129	1	0	0	0	0	0	0	0	0.043728	0	0	0	0.008746	#DIV/0!
LOC112448130	1	0.006471	0.009135	0.007066	0.015503	0	0.067731	0.006875	0.008362	0	0	0.007635	0.016594	2.173331
LOC112448131	1	0.147913	0.148769	0.005678	0.003807	0.005488	0.003024	0.000614	0	0.013441	0.002401	0.062331	0.003896	0.062505
LOC112448132	1	0.001618	0.002741	0.001767	0.001939	0	0.029643	0.015475	0.010456	0.004183	0.00538	0.001613	0.013028	8.076016
LOC112448133	1	0.002068	0.001946	0.002258	0.001445	0.000234	0.013977	0.008604	0.00334	0.019152	0.090513	0.00159	0.027117	17.0546
LOC112448134	0.161627	0.198467	0.112658	0.061921	0.203779	0.139631	0	0	0.008142	0.021714	0	0.143291	0.005971	0.041672
LOC112448135	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448136	1	0	0	0	0	0	0.300111	0	0	0	0	0	0.060022	#DIV/0!
LOC112448137	1	0.003542	0.016001	0	0.016973	0	0.074151	0	0.018309	0.018312	0.047107	0.007303	0.031576	4.32354
LOC112448138	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448139	1	0.026443	0	0	0.015838	0	0.069191	0.056189	0.017085	0	0.021978	0.008456	0.032889	3.889367

LOC112448140	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448141	1	0.008729	0	0.019064	0.015685	0.023688	0	0	0	0	0	0.013433	0	0
LOC112448142	1	0	0	0	0	0	0	0.169583	0.068751	4.400696	5.306531	0	1.989112	#DIV/0!
LOC112448143	1	0	0	0	0	0	0	0.005736	0.003488	0.083735	0	0	0.018592	#DIV/0!
LOC112448144	1	0.199325	0.025011	0	0	0	0.231808	0.047062	0	0.68696	0.257713	0.044867	0.244709	5.454053
LOC112448145	1	0.059527	0.067225	0.520022	0.071307	0.161538	0	0	0	0	0.049477	0.175924	0.009895	0.056248
LOC112448146	1	0.008541	0	0	0	0	0	0	0	0	0.014197	0.001708	0.002839	1.662334
LOC112448147	1	0	0.06875	0	0	0	0	0	0	0	0	0.01375	0	0
LOC112448148	1	0.021851	0.197411	0	0.157051	0.296481	0	0	0	0	0	0.134559	0	0
LOC112448149	1	0.034909	0.015769	0.030496	0	0	0	0	0	0	0	0.016235	0	0
LOC112448150	1	0	0	0	0	0	0	0	0	0	0.054061	0	0.010812	#DIV/0!
LOC112448152	1	0.013033	0.007359	0.028464	0.015612	0.017684	0	0.034619	0.025263	0.151598	0.016249	0.016431	0.045546	2.772014
LOC112448153	1	0.036726	0.010369	0.05013	0.027496	0.024916	0	0	0	0	0	0.029928	0	0
LOC112448154	1	0.070871	0	0	0.084896	0	0.370892	0.602391	0	0	0	0.031153	0.194657	6.248312
LOC112448155	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448156	1	0.004506	0.002181	0.002531	0.003239	0.001398	0	0.000274	0.000333	0.004659	0.002782	0.002771	0.00161	0.580891
LOC112448157	1	0.004665	0.002634	0.002547	0	0	0	0.004956	0	0	0	0.001969	0.000991	0.503389
LOC112448158	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448159	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448160	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448161	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448162	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448163	1	0	0.294574	0	0	0	0	0	0	0	0	0.058915	0	0
LOC112448164	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448165	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448166	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448167	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448168	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448169	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448170	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448171	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448172	1	0	0	0	0.357103	0	0	0	0	0	0	0.071421	0	0
LOC112448173	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448174	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448175	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448176	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448177	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448178	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448179	1	0	0.471319	0	0.499944	0	0	0	0	0	0	0.194253	0	0
LOC112448180	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448181	1	0.175522	0	0	0	0	0	0	0	0	0	0.035104	0	0
LOC112448182	1	0	1.585746	1.533335	0.420514	0	0	0	0	0	0	0.707919	0	0
LOC112448183	1	0	0	0	0	0	0	0	0	0	0.291777	0	0.058355	#DIV/0!
LOC112448184	1	2.457311	0.792873	0	0	0	0	0	0	0	0	0.650037	0	0
LOC112448185	1	0.175522	0	0	0.210257	0	0	0	0	0	0	0.077156	0	0
LOC112448186	1	0.001881	0.004957	0.00137	0.000751	0	0	0	0	0.032417	0.017721	0.001792	0.010028	5.596422

LOC112448187	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448188	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448189	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448191	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448193	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448194	1	0	0	0	0	0	0	0	0	0.915947	0	0	0.183189	#DIV/0!
LOC112448195	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448196	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448197	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448198	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448199	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448200	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448201	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448202	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448203	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448204	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448205	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448206	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448207	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448208	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448209	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448210	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448237	1	0	0	0.002259	0	0	0	0	0.002673	0	0.001719	0.000452	0.000878	1.94453
LOC112448253	1	0.038788	0.019911	0.017023	0.007781	0	0.003885	0.001183	0.001919	0.01631	0.00216	0.016701	0.005091	0.304856
LOC112448254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448255	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448256	1	0	0	0	0	0	0	0.026187	0	0.25483	0.614569	0	0.179117	#DIV/0!
LOC112448258	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448259	1	0.005879	0.002213	0	0	0.005318	0	0	0	0	0.006515	0.002682	0.001303	0.485851
LOC112448260	1	0.020868	0	0.045574	0	0	0	0	0	0	0	0.013288	0	0
LOC112448261	1	0	0.058108	0	0	0	0	0	0	0	0	0.011622	0	0
LOC112448262	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448263	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448265	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448266	1	0.117748	0	0	0	0	0	0	0	0	0	0.02355	0	0
LOC112448267	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448268	1	0.004167	0.000941	0.00182	0.000998	0.002261	0	0	0	0	0	0.002038	0	0
LOC112448269	1	0.013943	0.078728	0	0.033404	0	0	0	0	0.072079	0.18542	0.025215	0.0515	2.042431
LOC112448270	1	0.066188	0	0	0	0	0	0	0	0	0	0.013238	0	0
LOC112448271	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448272	1	0.114285	0.602294	0.831982	0.684508	0	0	0	0	0	0	0.446614	0	0
LOC112448273	1	0.946935	0.53469	0	0	0	0	0	0	0	0	0.296325	0	0
LOC112448274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448275	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112448276	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448277	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448278	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448279	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448280	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448281	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448282	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448283	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448284	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448285	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448286	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448288	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448289	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448290	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448291	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448292	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448293	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448294	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448295	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448296	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448297	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448298	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448299	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448300	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448301	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448302	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448303	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448304	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448305	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448306	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448307	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448308	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448309	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448310	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448311	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448312	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448313	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448314	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448315	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448316	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448317	1	0	1.357399	1.312535	0	0	0	0	0	0	0	0.533987	0	0
LOC112448318	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448319	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448320	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448321	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112448322	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448324	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448325	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448326	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448327	1	0.288937	0	0	0	0	0	0	0	0	0	0.057787	0	0
LOC112448328	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448329	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448330	1	0.253796	0.286613	0	0	0	0	0	0	0	0	0.108082	0	0
LOC112448331	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448332	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448333	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448334	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448335	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448336	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448337	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448338	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448339	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448340	1	0.104338	0	0	0	0	0	0.221713	0	0	0	0.020868	0.044343	2.12495
LOC112448341	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448342	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448343	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448344	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448345	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448346	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448347	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448348	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448349	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448350	1	0.01297	0.009765	0.084979	0.041432	0.046929	0	0	0	0	0	0.039215	0	0
LOC112448351	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448352	1	0.006114	0.005064	0.005341	0.00293	0.002212	0	0.005197	0.014749	0.021073	0.034558	0.004332	0.015115	3.48898
LOC112448353	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448354	1	0.004213	0.001586	0.029139	0.002524	0	0	0	0.001815	0.00363	0.059534	0.007492	0.012996	1.734533
LOC112448355	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448356	1	0.006316	0.002378	0.003065	0.003082	0.000635	0.001224	0.001491	0	0	0	0.003095	0.000543	0.175461
LOC112448357	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448358	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448359	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448360	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448361	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448362	1	0.006322	0.02856	0	0.003787	0	0	0	0	0	0	0.007734	0	0
LOC112448363	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448364	1	0.001649	0.007076	0.170699	0.212934	0.000895	0	0.003504	0	0.054557	0.14802	0.078651	0.041216	0.52404
LOC112448365	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448366	1	0.006856	0.007742	0	0	0	0	0	0	0	0	0.00292	0	0
LOC112448367	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112448368	1	0.002629	0.001484	0.006698	0.003674	0	0	0	0	0.03624	0.121629	0.002897	0.031574	10.89879
LOC112448369	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448370	1	0.008128	0.001836	0.007101	0.00779	0.013235	0.059555	0.048363	0.073527	0.17649	0.035132	0.007618	0.078613	10.31946
LOC112448371	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448372	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448373	1	0.130863	0.038138	1.843862	2.750874	0.12601	0.441836	0.816288	1.331007	1.156617	1.705211	0.977949	1.090192	1.114773
LOC112448374	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448375	1	0.006821	0.002568	0	0	0	0	0	0.088144	0	0	0.001878	0.017629	9.388175
LOC112448376	1	0.001495	0	0	0	0	0	0	0.015458	0	0	0.000299	0.003092	10.33777
LOC112448377	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448378	1	0.965197	1.298229	1.286138	0.8587	1.490865	0.807403	0.523743	2.582022	1.556247	1.066525	1.179826	1.307188	1.10795
LOC112448379	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448380	1	0	0	0	0.005508	0.006239	0	0	0	0	0	0.002349	0	0
LOC112448381	1	0.002531	0	0	0.006065	0.013739	0	0	0	0	0.004208	0.004467	0.000842	0.188406
LOC112448382	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448384	1	0.158355	0.250363	0.069168	0.113815	0	0	0	0	0	0	0.11834	0	0
LOC112448387	1	0.004584	0.020707	0	0.010982	0.099517	0	0	0.047389	0.236979	0.220987	0.027158	0.101071	3.721572
LOC112448388	1	0.314683	0.872281	0	0	0.698684	0	0	0	0	0	0.37713	0	0
LOC112448390	1	0.004886	0.038623	0.048016	0.090716	0.039775	0	0	0	0	0	0.044403	0	0
LOC112448392	1	0.477693	0.070982	0	0	0.204679	0.5263	1.816448	0.519819	0	0	0.150671	0.572513	3.799763
LOC112448395	1	0.025082	0.016186	0	0	0	0.018752	0	0.023151	0	0	0.008253	0.00838	1.015387
LOC112448396	1	0	0	0.216067	0.039504	0	0	0	0	0	0.05482	0.051114	0.010964	0.214501
LOC112448398	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448402	1	0	0.107208	0	0	0	0	0	0	0	0	0.021442	0	0
LOC112448404	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448405	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448408	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448409	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448411	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448412	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448413	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448415	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448419	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448420	1	0.076304	0.03734	0	0.00914	0.013804	0	0	0	0	0	0.027318	0	0
LOC112448421	1	0.250304	0.127657	0.17634	0.058033	0.043822	0	0.017158	0	0	0	0.131231	0.003432	0.026149
LOC112448423	1	0	0	0	0	0	0	0	0	0	0.107163	0	0.021433	#DIV/0!
LOC112448429	1	0.00362	0.002044	0.023716	0.041192	0	0	0	0	0.028069	0.006017	0.014114	0.006817	0.482998
LOC112448430	1.99E-15	0	0	0.134923	0.14801	0.167648	153.2493	35.57626	28.10102	63.23648	43.03032	0.090116	64.63869	717.2804
LOC112448433	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448434	0.015506	0.268223	0.083151	0.212492	0.097651	0.14272	0	0.005588	0	0	0.004371	0.160847	0.001992	0.012383
LOC112448436	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448437	1	0	0	0	0	0	0.012479	0	0	0	0	0	0.002496	#DIV/0!
LOC112448444	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448446	1	0.009027	0.002631	0	0	0	0.088383	0.023512	0.00301	0.001505	0	0.002331	0.023282	9.986113
LOC112448447	1	0.002452	0.001557	0.002008	0	0.000832	0.002406	0.007489	0.014652	0.010298	0.00866	0.00137	0.008701	6.352472
LOC112448448	1	0.248518	0.020047	0.077536	0	0	0	0	0	0.183536	0.073771	0.06922	0.051461	0.743445

LOC112448453	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448454	1	0	0.002209	1.234388	1.386912	0	0	0	0	0.020221	0.003251	0.524702	0.004694	0.008947
LOC112448455	1	0	0	0	0	0	0.036922	0.069962	0.042545	0	0	0	0.029886	#DIV/0!
LOC112448456	1	0.02571	0.004839	0.018716	0.010266	0	0	0	0	0	0.014246	0.011906	0.002849	0.239305
LOC112448457	1	0.001787	0.001009	0.001952	0.010704	0	0	0.017089	0.009237	0	0.011883	0.00309	0.007642	2.472848
LOC112448459	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448463	1	0.002565	0.006759	0.003735	0	0	0.004474	0.001817	0.00221	0.03094	0.133601	0.002612	0.034609	13.25141
LOC112448464	1	0.006735	0.015212	0.102965	0.02017	0	0	0.014312	0	0	0	0.029016	0.002862	0.098646
LOC112448466	1	0.042797	0	0	0	0	0	0	0	0	0	0.008559	0	0
LOC112448468	1	0.002865	0.001078	0	0	0	0.039976	0.024348	0.093774	0	0	0.000789	0.03162	40.0975
LOC112448470	1	0.013349	0.004397	0.013362	0.011993	0.006037	0.029108	0.04964	0.123624	0.043131	0.004623	0.009828	0.050025	5.090238
LOC112448474	1	0.282966	0.37738	0.329593	0.448723	0.416848	0	0	0	0.181113	0.076157	0.371102	0.051454	0.138652
LOC112448476	1	0	0.0067	0	0	0	0	0	0	0	0	0.00134	0	0
LOC112448481	1	0	0.089177	0	0	0.07143	0	0.2517	0.612254	0	0	0.032121	0.172791	5.379298
LOC112448482	1	0.001405	0.004759	0	0	0	0.007352	0	0.007261	0	0	0.001233	0.002923	2.370649
LOC112448484	1	0.010257	0.014256	0.005169	0.016067	0	0	0.001677	0.016313	0	0	0.00915	0.003598	0.393214
LOC112448487	1	0.032606	0.027381	0.008217	0.003005	0.001134	0.006563	0.007995	0.011884	0.056188	0.036135	0.014469	0.023753	1.641692
LOC112448488	1	0.03388	0.012754	0	0	0.061293	0.059102	0	0	0	0	0.021585	0.01182	0.547611
LOC112448490	1	0.15761	0.212832	0.034909	0.229766	0.178545	0.003891	0.06951	0.015371	0.017295	0.012359	0.162733	0.023685	0.145546
LOC112448492	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448493	1	0	0	0	0	0	0	0.004271	0	0	0	0	0.000854	#DIV/0!
LOC112448495	1	0.029315	0.02207	0	0	0	0	0	0	0	0	0.010277	0	0
LOC112448496	1	0	0	0	0	0	0.065802	0.017812	0.010832	0	0	0	0.018889	#DIV/0!
LOC112448503	1	0.083731	0	0	0.01003	0	0	0	0.04328	0	0.013919	0.018752	0.01144	0.610045
LOC112448504	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448505	1	0.011845	0	0	0	0	0	0	0	0	0	0.002369	0	0
LOC112448507	1	0	0.002617	0	0	0	0	0.004925	0.017968	0	0	0.000523	0.004579	8.747213
LOC112448508	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448509	1	0.004532	0.002893	0.005594	0.00236	0.000535	0.002062	0.000837	0	0.017316	0.003603	0.003183	0.004764	1.496762
LOC112448510	1	0.004274	0	0	0	0	0	0.018165	0.049709	0	0	0.000855	0.013575	15.87989
LOC112448511	1	0.117907	0.063406	0	0	0.030472	0	0	0	0	0	0.042357	0	0
LOC112448512	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448513	1	0.00173	0.000977	0	0.000345	0	0	0.001226	0	0.001491	0.001438	0.000611	0.000831	1.360929
LOC112448514	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448515	1	0.83727	1.394057	0	0	1.026803	0.007022	0.014256	0.131775	0	0	0.651626	0.030611	0.046976
LOC112448516	1	0.00568	0	0	0	0	0.044588	0	0	0	0	0.001136	0.008918	7.849992
LOC112448517	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448518	1	0.204254	0.242494	0.411768	0.345054	0.383731	0.109634	0.089032	0.378993	1.434966	0.426599	0.31746	0.487845	1.536711
LOC112448519	1	0	0	0.125026	0.045717	0.020713	0	0	0	0.01973	0.133229	0.038291	0.030592	0.798925
LOC112448520	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448522	1	0.025757	0.019391	0.042189	0.010285	0.011649	0	0	0	0	0.14272	0.021854	0.028544	1.306121
LOC112448523	1	1.115187	1.48488	0.852253	0.525021	1.344501	0.554997	0.639084	0.969991	0.252706	0.466897	1.064368	0.576735	0.541857
LOC112448524	1	0.075534	0.134044	0.200311	0.168036	0	1.665873	1.249646	1.143386	0.139458	0.260093	0.115585	0.891691	7.71459
LOC112448525	1	0	1.883926	0	0	0	0	0	0	0	0	0.376785	0	0
LOC112448526	1	0.009971	0.010682	0.0134	0.006125	0.00555	0.008028	0.014668	0.012554	0.027755	0.01275	0.009146	0.015151	1.6566
LOC112448527	1	0.405667	0.316726	0.382823	0.209977	0.475675	0	0	0.116491	0.025891	0.074928	0.358173	0.043462	0.121344

LOC112448528	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448529	1	0.002515	0	0	0	0	0.144791	0.165684	0.208011	0	0	0.000503	0.103697	206.1422
LOC112448530	1	0.001978	0	0.017279	0.004739	0	0	0	0	0.010225	0.003288	0.004799	0.002703	0.563154
LOC112448531	1	0.026311	0.038274	0.052592	0.053953	0.075029	0.058344	0.00379	0.011525	0.039191	0.006672	0.049232	0.023905	0.485551
LOC112448532	1	0	0.017229	0.03332	0.018276	0	0	0	0	0	0	0.013765	0	0
LOC112448533	1	0.018885	0	0	0	0	0.19766	0.050161	0.268436	0	0	0.003777	0.103252	27.33728
LOC112448534	1	0.007815	0.013028	0.011378	0.002675	0.009088	0.001947	0.001582	0.01635	0.096188	0.146608	0.008797	0.052535	5.972145
LOC112448535	1	0.019315	0.072709	0	0	0.122302	0	0	0	0	0	0.042865	0	0
LOC112448536	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448537	1	0.084885	0	0	0	0	0	0	0	0	0	0.016977	0	0
LOC112448538	1	0.028266	0.027361	0.017638	0.058046	0	0	0	0	0	0	0.026262	0	0
LOC112448540	1	0.016496	0.018629	0.018013	0	0.044765	0	0	0	0	0.095977	0.019581	0.019195	0.980322
LOC112448541	0.355635	0	0	0	0.086321	0	1.225635	0.26797	0.186237	1.629814	2.111287	0.017264	1.084189	62.79957
LOC112448542	1	0.004489	0.002304	0.004456	0.002444	0	0	0	0.001055	0.00211	0.004749	0.002739	0.001583	0.577856
LOC112448544	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448545	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448546	1	0	0	1.757859	1.03184	0	0	0	0	1.314005	0.798108	0.55794	0.422422	0.757111
LOC112448547	1	0	0	0.032531	0.005948	0	0	0.010551	0.012832	0.051337	0.037142	0.007696	0.022372	2.907074
LOC112448548	1	0.053964	0.065116	0.080722	0.052246	0.008024	0.003869	0.017279	0.009552	0.026751	0.008602	0.052014	0.013211	0.25398
LOC112448549	1	0.013177	0.029762	0	0	0	0	0	0	0.01703	0	0.008588	0.003406	0.396614
LOC112448550	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448551	1	0	0.008604	0.00832	0	0	0	0	0.014768	0.009847	0.006333	0.003385	0.00619	1.828629
LOC112448552	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448553	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448554	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448555	1	0	0	0	0	0	0	0.581897	0.884656	0.117971	0.037934	0	0.324492	#DIV/0!
LOC112448556	1	0	0	0	0.138873	0	0	0	0	0	0	0.027775	0	0
LOC112448557	1	0	0	0	0	0	0	0	0	0.118765	0.229138	0	0.069581	#DIV/0!
LOC112448558	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448559	1	0.004223	0.001122	0.001085	0.001488	0.000674	0	0	0	0.010274	0.014866	0.001718	0.005028	2.925878
LOC112448560	1	0	0	0	0	0	0	0	0	0.05041	0	0	0.010082	#DIV/0!
LOC112448561	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448562	1	0	0.011262	0	0	0	0	0	0	0	0	0.002252	0	0
LOC112448563	1	0	0	0.043085	0	0	0	0	0	0	0	0.008617	0	0
LOC112448564	1	0.00554	0	0.024199	0.026546	0.045102	0	0	0	0.02864	0.046047	0.020277	0.014938	0.736663
LOC112448565	1	0	0.027527	0	0.029199	0	0.127562	0.025898	0.062996	0.063005	0.202596	0.011345	0.096411	8.498082
LOC112448566	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448567	1	0.011093	0.012528	0.006057	0.003322	0.015052	0	0	0	0	0	0.00961	0	0
LOC112448568	1	0	0	0	0.008622	0.009766	0	0	0	0	0	0.003678	0	0
LOC112448569	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448570	1	0	0.001748	0.00676	0.001854	0	0	0	0	0.024003	0.007718	0.002072	0.006344	3.061321
LOC112448571	1	0	0.006305	0.008129	0	0	0	0	0	0.019243	0.003094	0.002887	0.004467	1.547429
LOC112448572	1	0.001215	0.000686	0.00398	0.001455	0	0	0.009035	0.00314	0	0.00101	0.001467	0.002637	1.797293
LOC112448573	0.000169	0	0	0	0	0	0.593652	0.316375	0.439756	0.293214	0.77785	0	0.484169	#DIV/0!
LOC112448574	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448575	1	0	0	0	0	0	0	0	0	0.188769	0.020233	0	0.041801	#DIV/0!

LOC112448576	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448577	1	0.150448	0	0	0	0	0	0	0	0	0	0.03009	0	0
LOC112448578	1	0.005754	0	0	0.001723	0.02342	0	0	0.003717	0	0	0.006179	0.000743	0.120319
LOC112448579	1	0.035979	0.121893	0.104768	0.071831	0.357993	0	0	0	0	0	0.138493	0	0
LOC112448581	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448582	1	0.414259	0.534657	0.448561	0.425347	0.264509	0.692287	0.961649	1.061631	0.449909	0.630767	0.417466	0.759249	1.818706
LOC112448583	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448584	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448585	1	0.885891	0.200088	0	0	0	0	0	0	0	0	0.217196	0	0
LOC112448586	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448587	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448589	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448590	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448591	1	0	0	0	0.428524	0	0	0	0	0	0	0.085705	0	0
LOC112448592	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448593	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448594	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448595	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448596	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448597	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448598	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448599	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448600	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448601	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448602	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448603	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448604	1	0	0	1.864396	1.704356	0	0	0	0	0	0	0.71375	0	0
LOC112448605	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448606	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448607	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448608	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448609	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448610	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448611	1	0.548347	0	2.095744	0.985292	0	0	0	0.354293	0	1.139419	0.725877	0.298742	0.411561
LOC112448612	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448613	1	1.073193	0	0	0	0	0	0	0	0	0	0.214639	0	0
LOC112448614	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448615	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448616	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448617	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448618	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448619	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448620	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448621	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448622	1	0.302917	0	0	0	0	0	0	0	0	0	0.060583	0	0

LOC112448623	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448625	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448626	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448627	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448628	1	0	0.26347	0.509524	0.558944	0	0	0	0	0	0	0.266388	0	0
LOC112448629	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448630	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448631	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448632	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448633	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448634	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448635	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448636	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448637	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448638	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448639	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448640	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448641	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448642	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448643	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448644	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448645	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448646	1	0	0	0	0	0	0	0	0	0	0.291777	0	0.058355	#DIV/0!
LOC112448647	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448648	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448649	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448650	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448651	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448653	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448654	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448655	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448656	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448657	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448658	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448659	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448660	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448661	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448662	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448663	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448664	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448665	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448731	1	0	0	0.424189	0.258518	0	0	0	0	0	0	0.136541	0	0
LOC112448732	1	0	0	0	0.061849	0	0	0	0	0	0	0.01237	0	0
LOC112448733	1	0	0	0.083254	0	0	0	0	0	0	0	0.016651	0	0

LOC112448734	0.023757	0.00873	0.009859	0.009533	0.010458	0.002961	0.079954	0.074205	0.101532	0.37234	0.275738	0.008308	0.180754	21.75568
LOC112448735	1	0.000919	0.006229	0	0.003304	0.002495	0	0	0	0.009506	0	0.00259	0.001901	0.734157
LOC112448736	0.809386	0.236734	0.386165	2.585087	2.961856	1.391905	0	0	0	0.06799	0.15304	1.512349	0.044206	0.02923
LOC112448737	1	0.108074	0.108488	0	0	0.276984	0	0	0	0	0	0.098709	0	0
LOC112448738	1	0	0.012944	0.012517	0.010298	0	0	0	0	0.014814	0	0.007152	0.002963	0.414273
LOC112448739	1	0.006282	0.006385	0	0	0	0	0.001335	0.004871	0	0	0.002533	0.001241	0.489903
LOC112448740	1	0.003522	0.011933	0.007693	0.027426	0.009558	0.036867	0.041166	0.068274	0.273135	0.181512	0.012026	0.120191	9.99388
LOC112448741	1	0.003507	0	0	0	0	0	0	0	0	0	0.000701	0	0
LOC112448742	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448743	1	0.426944	0.645502	1.284001	1.036841	0.468499	0.01221	0.104109	0.120592	0.699533	0.457636	0.772358	0.278816	0.360993
LOC112448744	1	0.146696	0.118939	0	0	0.326634	0.118109	0.151865	0.340243	0	0	0.118454	0.122043	1.030303
LOC112448745	1	0	0	0	0.007095	0	0	0	0	0	0	0.001419	0	0
LOC112448746	1	0	0.003539	0.034221	0.015016	0	0	0	0	0	0	0.010555	0	0
LOC112448747	1	0.00422	0.003177	0	0	0	0	0	0	0.021818	0.011693	0.00148	0.006702	4.529824
LOC112448748	1	0.001162	0.006034	0.059866	0.025323	0.00063	0.021883	0.013822	0.041426	0.098475	0.113146	0.018603	0.05775	3.104367
LOC112448750	1	0.004487	0.003225	0.011582	0.01466	0.003321	0	0	0.001054	0	0.006103	0.007455	0.001431	0.192017
LOC112448751	1	0.041459	0.007803	0	0	0	0	0	0	0	0	0.009852	0	0
LOC112448752	1	0.006191	0.011652	0	0	0	0	0	0	0	0	0.003569	0	0
LOC112448753	1	0.083719	0	0.030473	0	0	0	0	0	0.036066	0	0.022838	0.007213	0.31584
LOC112448754	1	0.009253	0.012539	0	0	0.010043	0	0.003932	0.004783	0	0	0.006367	0.001743	0.273751
LOC112448755	1	0.036559	0.035388	0.022812	0.021897	0.028345	0	0	0	0.0135	0.008682	0.029	0.004436	0.152975
LOC112448756	1	0.002472	0.002233	0.415695	0.325725	0.002683	0	0	0.002555	0.278584	0.0715	0.149762	0.070528	0.470934
LOC112448757	1	0	0	0.020386	0.011182	0	0	0	0	0	0	0.006314	0	0
LOC112448758	1	0.00667	0.007976	0.007712	0.00517	0	0.002053	0.000834	0.003042	0.010142	0.003914	0.005506	0.003997	0.725967
LOC112448759	1	0.00114	0	0.002489	0.002048	0	0	0.002422	0.002946	0.005893	0.000947	0.001135	0.002442	2.150296
LOC112448760	1	0.003383	0.00382	0	0	0	0	0	0	0	0	0.001441	0	0
LOC112448761	1	0.001515	0.001141	0.00331	0.001815	0	0.004406	0.007156	0.009138	0.006093	0.005598	0.001556	0.006478	4.162791
LOC112448762	1	0.030335	0.033186	0.053828	0.024982	0.005145	0.009922	0	0	0.009801	0.006303	0.029495	0.005205	0.176479
LOC112448764	1	1.083512	0.964966	0.480965	0.612033	0.597621	0.138302	0.131031	0.204898	0.091079	0.175723	0.74782	0.148207	0.198185
LOC112448765	1	0.017856	0	0	0.02139	0	0.24296	0.258012	0.498395	0.018462	0.029683	0.007849	0.209502	26.69126
LOC112448766	1	0.045223	0.021029	0.029049	0.01912	0.050532	0.278432	0.022611	0	0	0.008844	0.032991	0.061977	1.878645
LOC112448767	1	0.003909	0	0	0.004683	0	0	0	0	0	0.003249	0.001718	0.00065	0.378165
LOC112448768	1	0.082463	0.046563	0	0	0	0	0.043807	0	0	0	0.025805	0.008761	0.339524
LOC112448769	1	0.097711	0.064368	0.035566	0.017069	0.011048	0	0.004326	0.005261	0	0	0.045153	0.001917	0.042463
LOC112448770	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448771	1	0	0.021266	0.054835	0.015038	0	0	0	0	0.243375	0.026086	0.018228	0.053892	2.956574
LOC112448772	1	0.517033	0.623341	0.450146	0.372447	0.398165	0.036565	0	0.090287	0	0	0.472226	0.02537	0.053725
LOC112448773	1	0	0	0.102928	0.056455	0	0	0	0	0.12182	0	0.031877	0.024364	0.76432
LOC112448774	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448775	1	0	0	0	0	0.018617	0	0	0	0	0	0.003723	0	0
LOC112448776	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448777	1	0.012383	0.011653	0	0	0.033603	0	0	0	0	0	0.011528	0	0
LOC112448778	1	1.886334	2.945097	0	0	0.587414	0	0	0	0	0	1.083769	0	0
LOC112448779	1	0	0.015687	0	0	0	0	0	0	0	0	0.003137	0	0
LOC112448780	1	0.00493	0.009279	0	0.000984	0	0	0	0	0.038228	0.017756	0.003039	0.011197	3.684888
LOC112448781	1	0.032747	0.044804	0.036676	0.067139	0.025064	0.012084	0.020073	0.029296	0.299514	0.561116	0.041286	0.184417	4.466773

LOC112448782	1	0.00173	0.000391	0.000756	0.000415	0	0	0	0.000894	0	0.000575	0.000658	0.000294	0.446505
LOC112448783	1	0.00254	0.007648	0	0	0.002297	0	0	0	0	0	0.002497	0	0
LOC112448784	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448785	1	0.002731	0.006167	0.011927	0.003271	0	0	0	0	0	0	0.004819	0	0
LOC112448786	1	0.078071	0.011021	0	0.04676	0.013241	0	0.051843	0.176548	0.252248	0.089223	0.029819	0.113972	3.822201
LOC112448787	1	0.113686	0.051354	0.198628	0.054473	0	0	0	0	0	0.264577	0.083628	0.052915	0.632745
LOC112448788	1	0.009015	0.008384	0.001158	0	0	0	0	0	0.008224	0.006171	0.003711	0.002879	0.775706
LOC112448789	1	0.007332	0.00414	0	0	0	0	0	0	0	0	0.002294	0	0
LOC112448790	0.05328	0.029964	0.04708	0.150797	0.204438	0.063636	0	0	0	0	0.006497	0.099183	0.001299	0.013101
LOC112448791	1	1.333211	0	0	0	0	0	0	0	0	0	0.266642	0	0
LOC112448792	1	0.525865	0.381768	0.2461	0.584935	1.019303	0	0	0	0	0.06244	0.551594	0.012488	0.02264
LOC112448793	1	0.003872	0.009475	0.012686	0.011597	0	0	0.004114	0.006672	0.050047	0.101921	0.007526	0.032551	4.325165
LOC112448794	1	0.004213	0.030923	0.027601	0.006308	0.005716	0	0	0.002722	0	0.005252	0.014952	0.001595	0.106661
LOC112448795	1	0.027991	0.050342	0.065659	0.060851	0.005627	0.005425	0.008812	0.016076	0.032156	0.029297	0.042094	0.018353	0.436005
LOC112448796	1	0.050402	0.053361	0.051598	0.022641	0.008548	0.032971	0	0.004071	0.016285	0.062838	0.03731	0.023233	0.6227
LOC112448798	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448799	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448800	1	0.00504	0	0	0	0	0	0	0	0	0	0.001008	0	0
LOC112448801	1	0.011804	0.008053	0.003222	0.005008	0	0	0.000523	0	0.003814	0.001226	0.005617	0.001113	0.19805
LOC112448802	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448803	1	0	0	0	0	0	0.134516	0.036413	0.022143	0	0.014243	0	0.041463	#DIV/0!
LOC112448804	1	0	0	0	0	0	0	0	0	0	0.014032	0	0.002806	#DIV/0!
LOC112448805	1	0.203965	0.19397	0.621288	0.777993	0.742847	0	0	2.0808	0.721449	3.988391	0.508012	1.358128	2.673414
LOC112448806	1	0.003022	0.002925	0.010371	0.013445	0	0.004518	0.000917	0.006694	0.044634	0.016505	0.005953	0.014654	2.461753
LOC112448807	1	0.539487	0.710786	0.736386	0.406598	0.158599	0.023528	0.076425	0.023238	0.313757	0.089681	0.510371	0.105326	0.206371
LOC112448808	1	0.021562	0.018939	0.525855	0.25399	0.013003	0.106574	1.102204	0.547981	0.879374	0.155324	0.16667	0.558291	3.349681
LOC112448809	1	0.004421	0.051596	0.022531	0.017655	0	0	0.03445	0.015236	0.060953	0.02695	0.019241	0.027518	1.430177
LOC112448810	1	0.043013	0.028703	0.029889	0.044498	0.042444	0	0	0.010106	0	0	0.03771	0.002021	0.053598
LOC112448811	1	0	0.005264	0.00509	0.002792	0	0	0	0.006024	0.006024	0.027121	0.002629	0.007834	2.97947
LOC112448812	1	0	0	0	0	0	0	0.027908	0	0	0	0	0.005582	#DIV/0!
LOC112448813	1	0	0.008934	0.008639	0.004738	0	0	0.084053	0.051114	0	0.006575	0.004462	0.028349	6.353029
LOC112448814	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448815	1	0.081479	0	0	0	0.110553	0	0	0	0.105304	0.033861	0.038406	0.027833	0.724698
LOC112448816	1	0.440616	0.520967	0.368123	0.283388	0.449386	0.092855	0.157095	0.389772	0.428048	0.265452	0.412496	0.266644	0.646417
LOC112448817	1	0.033525	0.015144	0	0	0.018195	0	0	0	0	0	0.013373	0	0
LOC112448818	1	0.001899	0.001715	0.001185	0.001625	0.000147	0.001136	0.001153	0.001122	0.005609	0.002435	0.001314	0.002291	1.743164
LOC112448819	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448820	1	0.065667	0	0.071708	0	0.22275	0	0	0	0	0	0.072025	0	0
LOC112448821	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448822	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448823	1	0.00209	0	0	0	0	0	0	0	0	0	0.000418	0	0
LOC112448824	1	0	0.013799	0	0	0	0	0	0	0	0	0.00276	0	0
LOC112448825	1	0.070646	0.009973	0.028929	0.010578	0.011982	0	0	0	0	0	0.026422	0	0
LOC112448826	1	0.043176	0.034312	0.005239	0.003831	0.017358	0	0.003398	0	0	0.037216	0.020783	0.008123	0.390833
LOC112448827	1	0.001393	0.001574	0	0	0.007563	0	0.026649	0.007203	0	0	0.002106	0.00677	3.214842
LOC112448828	1	0.007929	0.0106	0.001767	0.003102	0.004831	0.005928	0.007565	0.003764	0.022588	0.006456	0.005646	0.00926	1.640247

LOC112448829	0.00405	0.375754	0.185167	0.089524	0.114574	0.268823	0	0	0	0	0	0.206768	0	0
LOC112448830	0.019829	0.15659	0.233612	0.187192	0.127356	0.136426	0	0	0	0.021303	0	0.168235	0.004261	0.025325
LOC112448831	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448832	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448833	3.46E-13	0.019362	0	0	0.092773	0.210166	18.13741	26.66047	20.51611	12.11127	12.16618	0.06446	17.91829	277.9749
LOC112448834	1	0.553235	0.526124	0	0	3.042105	0	0	0	0	0	0.824293	0	0
LOC112448835	0.646238	0.058326	0.10612	0.049537	0.054342	0.140691	0	0	0	0	0	0.081803	0	0
LOC112448836	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448837	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448838	1	0.014788	0.00835	0.172249	0.053144	0.013377	0	0	0	0	0	0.052381	0	0
LOC112448839	1	0.111779	0.061969	0.035508	0.02678	0.01103	0.021272	0.09501	0.257371	0.094558	0.033784	0.049413	0.100399	2.031827
LOC112448840	1	0.003427	0.027092	0	0.008211	0	0	0	0	0	0.011394	0.007746	0.002279	0.294194
LOC112448841	0.354491	0.222793	0.312802	0.105205	0.07213	0.179742	0	0	0	0	0	0.178535	0	0
LOC112448842	1	0.058553	0	0.127877	0.07014	0.278064	0	0.964272	0.340486	0.075674	0	0.106927	0.276086	2.58201
LOC112448843	1	0.024566	0.041614	0	0	0.133329	0	0	0	0	0	0.039902	0	0
LOC112448844	1	0.00394	0.001483	0.002868	0.003146	0	0.171818	0.04465	0.035637	0.030551	0.003275	0.002287	0.057186	24.99995
LOC112448845	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448846	1	0.020745	0.007809	0.120815	0.07455	0.018765	0.018094	0.007347	0.017871	0.160864	0.143686	0.048537	0.069572	1.433398
LOC112448847	1	0.033065	0.012447	0	0	0	0	0	0	0	0	0.009102	0	0
LOC112448848	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448849	1	0	0	0	0	0	0	0	0.007883	0	0	0	0.001577	#DIV/0!
LOC112448850	1	0.358072	0.539164	0.260672	0.12868	0.307702	0.780795	0.304354	0.72491	0.370221	0.178571	0.318858	0.47177	1.479562
LOC112448851	1	0	0	0	0	0	0	0	0	0.02551	0.016406	0	0.008383	#DIV/0!
LOC112448852	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448853	1	0.006808	0.007689	1.13006	1.720853	0.055427	0	0.007234	0.035192	1.513462	2.388051	0.584167	0.788788	1.350277
LOC112448854	0.264572	0.502163	0.654341	0.202468	0.620046	0.482188	0	0	0	0.079877	0	0.492241	0.015975	0.032454
LOC112448855	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448856	1	0	0.012061	0.052481	0.025587	0	0	0	0	0	0.008877	0.018026	0.001775	0.098491
LOC112448857	1	0	0.013963	0	0	0	0	0	0	0	0	0.002793	0	0
LOC112448858	1	0	0	0	0.010985	0	0	0	0	0	0	0.002197	0	0
LOC112448859	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448860	1	0.005146	0	0	0	0	0.18852	0.273383	0.0931	0	0	0.001029	0.111001	107.8481
LOC112448861	1	0	0.066418	0	0.023484	0	0	0	0	0	0	0.01798	0	0
LOC112448862	1	0.013521	0	0	0	0	0	0	0	0	0	0.002704	0	0
LOC112448863	1	0.256045	0.318068	0.726949	0.291379	0	0	0	0	0	0.340505	0.318488	0.068101	0.213826
LOC112448864	1	0.001209	0	0.00528	0.017377	0	0	0	0	0	0	0.004773	0	0
LOC112448865	1	0	0	0.111156	0	0	0	0	0	0	0	0.022231	0	0
LOC112448866	1	0.014615	0	0	0.035016	0	0	0	0	0	0	0.009926	0	0
LOC112448867	1	0	0	0	0	0	0	0	0	0.172085	0.066402	0	0.047697	#DIV/0!
LOC112448868	1	0	0	0.046823	0	0	0	0	0	0	0.035639	0.009365	0.007128	0.761155
LOC112448869	1	0.007716	0.012199	0.011796	0.000924	0	0.064606	0.077059	0.155539	0.103708	0.071826	0.006527	0.094548	14.48589
LOC112448870	1	0	0	0	0	0.074894	0	0.175937	0.035664	0.071338	0.091756	0.014979	0.074939	5.003022
LOC112448871	1	0.008543	0	0	0.002047	0	0	0	0	0.022082	0.011361	0.002118	0.006689	3.158078
LOC112448872	1	0.048483	0.083569	0.100313	0.15895	0.221588	0.053417	0.048801	0.01319	0	0	0.122581	0.023081	0.188296
LOC112448873	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448874	1	0.234176	0.793368	0.460287	0.196362	1.715784	2.205931	2.63734	2.602418	4.23711	2.452451	0.679995	2.82705	4.157455

LOC112448875	1	0	0	0	0.019752	0	0	0	0	0	0	0.00395	0	0
LOC112448876	1	0	0.002463	0	0.002612	0	0.011413	0	0.005636	0	0.003625	0.001015	0.004135	4.07361
LOC112448877	1	0.00073	0.004125	0.004786	0.000875	0	0	0	0.001888	0.015105	0.002429	0.002103	0.003884	1.846839
LOC112448878	0.007911	0.071347	0.047718	0.016641	0.021574	0.031955	0	0	0	0	0	0.037847	0	0
LOC112448879	1	0.003361	0	0.029361	0.008052	0	0.105533	0	0.026058	0.03475	0	0.008155	0.033268	4.079631
LOC112448880	1	0	0.064174	0	0	0	0	0	0	0	0	0.012835	0	0
LOC112448881	1	0	0	0	0	0	0.132372	0.026874	0	0	0.021024	0	0.036054	#DIV/0!
LOC112448882	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448883	1	0.154258	0.087102	0.084223	0.11549	0.209302	0	0	0	0	0	0.130075	0	0
LOC112448884	1	0	0	0	0	0	0	0	0	0.064738	0	0	0.012948	#DIV/0!
LOC112448885	1	0	0	0	0.012031	0	0	0	0	0	0	0.002406	0	0
LOC112448886	1	0	0	0	0.004212	0	0.128816	0.029888	0.009088	0.036357	0.040918	0.000842	0.049013	58.17974
LOC112448887	1	0	0	0	0	0	0	0	0	0	0.01487	0	0.002974	#DIV/0!
LOC112448888	1	0.003056	0.009368	0.01621	0.01046	0	0.002285	0.000928	0.004514	0.020314	0.005806	0.007819	0.006769	0.865755
LOC112448889	8.94E-08	0.09336	0.017572	0	0	0.084449	8.957345	10.5144	3.377963	3.298015	3.233232	0.039076	5.876191	150.3777
LOC112448890	1	0.020996	0	0	0	0	0	0	0	0	0	0.004199	0	0
LOC112448891	1	0.003697	0.00835	0	0	0	0	0	0	0	0	0.002409	0	0
LOC112448892	1	0	0.011225	0	0.01786	0	0	0	0	0	0.016523	0.005817	0.003305	0.568097
LOC112448893	1	0.009766	0.022059	0.063989	0.035098	0	0	0	0	0	0.016235	0.026182	0.003247	0.124016
LOC112448894	1	0.025058	0.056596	0.109451	0.045025	0	0	0.026623	0	0	0.124964	0.047226	0.030317	0.641965
LOC112448896	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448897	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448898	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448899	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448900	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448901	1	0	0	0	0.428524	0	0	0	0	0	0	0.085705	0	0
LOC112448902	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448903	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448904	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448905	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448906	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448907	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448908	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448909	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448910	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448912	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448913	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448914	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448915	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448916	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448917	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448918	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448919	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448920	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448921	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112448922	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448923	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448924	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448925	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448926	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448927	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448929	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448930	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448931	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448932	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448933	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448934	1	0.149055	0.336656	0	0	1.213456	0	0	0	0	0.495557	0.339833	0.099111	0.291647
LOC112448935	1	1.192437	0	0	0.714206	0	0	0	0	0	0	0.381329	0	0
LOC112448936	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448937	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448938	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448939	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448940	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448941	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448942	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448943	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448944	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448945	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448946	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448947	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448948	1	0	0	0	0.346115	0	0	0	0	0	0	0.069223	0	0
LOC112448949	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448950	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448951	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448952	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448953	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448954	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448955	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448956	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448957	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448958	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448959	1	0	0	0	0	0	0	0	0	0.907387	0	0	0.181477	#DIV/0!
LOC112448960	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448961	1	0	0	0	0.210257	0	0	0	0	0	0	0.042051	0	0
LOC112448962	1	0	0	0.39822	0	0	0	0	0	0	0	0.079644	0	0
LOC112448963	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448964	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448965	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448966	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448967	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112448968	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448969	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448970	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448971	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448972	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448973	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448974	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448975	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448976	1	0.722342	0	0	0	0	0	0	0	0	0	0.144468	0	0
LOC112448977	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112448978	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449023	1	0	0	0	0	0	0.033915	0.220336	0.117242	0	0	0	0.074299	#DIV/0!
LOC112449024	1	0.0055	0.018634	0	0	0	0	0	0	0.009478	0.006095	0.004827	0.003115	0.64528
LOC112449025	1	0.013947	0.008199	0.002086	0.002517	0.000518	0	0.000812	0	0.006914	0.002541	0.005454	0.002053	0.376503
LOC112449026	1	0.008329	0	0	0.05986	0.045202	0	0	0.021525	0.301389	0.083069	0.022678	0.081197	3.580387
LOC112449027	1	0.135114	0.048185	0	0.076667	0.25087	0.037216	0	0	0.036763	0	0.102167	0.014796	0.144818
LOC112449028	1	0.012939	0.003409	0.016013	0.01395	0.003511	0.022571	0.006415	0.003344	0.024526	0.00717	0.009964	0.012805	1.285102
LOC112449029	1	0.021648	0.015045	0.001818	0.00399	0.004519	0.047932	0.061926	0.038734	0.060262	0.005536	0.009404	0.042878	4.559518
LOC112449030	1	0.045822	0.037634	0	0	0.031087	0	0	0	0	0	0.022909	0	0
LOC112449031	7.70E-09	0.046735	0.126939	0.148701	0.191597	0.095117	0	0	0	0.002083	0	0.121818	0.000417	0.003419
LOC112449032	0.592871	0.072329	0.115097	0.104112	0.043321	0.008922	0	0	0	0	0.005465	0.068756	0.001093	0.015897
LOC112449033	1	0.001829	0.001377	0	0	0.001654	0.009572	0	0	0	0	0.000972	0.001914	1.969321
LOC112449034	1	0	0.006953	0	0	0	0	0	0	0	0	0.001391	0	0
LOC112449035	1	0	0.002004	0	0.002125	0	0	0.007541	0	0	0	0.000826	0.001508	1.826186
LOC112449036	1	0.011156	0.010918	0.003248	0.002895	0.000505	0.00146	0.000395	0.001682	0.004806	0.005409	0.005744	0.00275	0.478759
LOC112449037	1	0	0	0.141072	0.096722	0	0	0.240205	0	0	0.080533	0.047559	0.064148	1.34881
LOC112449038	1	0	0	0.005885	0.000807	0	0	0	0	0	0.007839	0.001338	0.001568	1.171396
LOC112449039	1	0.00195	0	0	0.004671	0	0	0.008286	0	0.060474	0.006482	0.001324	0.015048	11.36478
LOC112449040	0.505216	0.071665	0.03655	0.212051	0.193848	0	0	0	0	0	0	0.102823	0	0
LOC112449041	1	0.007679	0.001084	0.013627	0.005174	0.007815	0	0.00306	0.02853	0.064512	0.004787	0.007076	0.020178	2.851616
LOC112449042	1	0.033756	0.045053	0.013404	0.062493	0.033311	0.03212	0	0.055517	0.015864	0.045912	0.037603	0.029883	0.794682
LOC112449043	1	0.002655	0.003271	0.004218	0.002795	0.000437	0.002105	0.003591	0.007278	0.016223	0.011771	0.002675	0.008194	3.062792
LOC112449044	1	0.008536	0.001205	0.005825	0.00639	0	0.002792	0.001134	0	0	0	0.004391	0.000785	0.178784
LOC112449045	1	0.001022	0.003463	0.011161	0.009795	0.008321	0	0.001086	0.029058	0.015852	0.021239	0.006752	0.013447	1.991392
LOC112449046	1	0.001824	0	0.015935	0	0	0	0	0	0	0	0.003552	0	0
LOC112449047	1	0.138558	0.142249	0	0.075444	0	0	0.053532	0	0	0	0.07125	0.010706	0.150266
LOC112449048	1	0.004287	0.005648	0.003344	0.003301	0.001108	0.001602	0	0.001583	0.032186	0.02036	0.003537	0.011146	3.150929
LOC112449049	1	0	0	0.262447	0	0	0	0	0	0	0.028538	0.052489	0.005708	0.108736
LOC112449050	1	0	0	0	0	0	0.012204	0	0	0	0	0	0.002441	#DIV/0!
LOC112449051	1	0.04187	0.104024	0.038609	0.041239	0.040398	0.004869	0.007909	0.002405	0.01924	0.01392	0.053228	0.009669	0.181645
LOC112449052	1	0.497727	0.529966	0.672914	0.340699	0.746082	0.099229	0.020146	0.061255	0.147032	0.047279	0.557478	0.074988	0.134513
LOC112449053	1	0.030495	0.02755	0.054944	0.027397	0.033101	0	0	0.005911	0.063058	0.041821	0.034697	0.022158	0.638609
LOC112449054	1	0	0	0	0	0	0	0	0	0	0.015397	0	0.003079	#DIV/0!
LOC112449055	1	0.012069	0	0.006589	0.004819	0	0	0	0	0.010398	0.005016	0.004695	0.003083	0.656556
LOC112449056	1	0	0	0	0	0	0	0.023628	0	0	0	0	0.004726	#DIV/0!
LOC112449057	1	0	0	0	0.009084	0	0	0	0	0	0.012607	0.001817	0.002521	1.387714

LOC112449058	1	0	0	0	0	0	0	0	0	0	0.010357	0	0.002071	#DIV/0!
LOC112449059	1	0	0.068679	0	0	0.180036	0	0	0	0	0	0.049743	0	0
LOC112449060	1	0.128118	0.139941	0	0	0.045596	0	0.008926	0.021712	0	0	0.062731	0.006128	0.097682
LOC112449061	1	0.013051	0	0.028504	0.046902	0	0	0	0	0	0	0.017691	0	0
LOC112449062	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449063	1	0	0	0.003971	0	0	0	0	0	0	0.006045	0.000794	0.001209	1.522311
LOC112449064	1	0	0.017579	0	0	0	0	0.016539	0.030173	0	0	0.003516	0.009342	2.657214
LOC112449065	1	0.004511	0.003184	0.004926	0.001351	0.00153	0	0.001198	0	0.00583	0	0.0031	0.001406	0.453379
LOC112449066	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449067	1	0	0.014718	0	0	0	0	0	0.033684	0	0	0.002944	0.006737	2.288524
LOC112449068	5.11E-08	0.017171	0.028206	0.085231	0.044879	0.008472	1.045688	1.001774	1.432219	1.452603	1.826859	0.036792	1.351829	36.74239
LOC112449069	1	0	0	0	0.012856	0	0.056164	0.022805	0.083208	0	0.10704	0.002571	0.053843	20.94143
LOC112449070	1	0.002297	0.005187	0.010031	0.002751	0	0	0	0	0.011872	0.003818	0.004053	0.003138	0.774211
LOC112449071	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449072	1	1.639247	0.242919	0.615575	0.088853	0.623981	0	0.015762	0	0.115036	0.02466	0.642115	0.031092	0.048421
LOC112449073	1	0.108623	0.024534	0.023723	0	0.08843	0	0	0	0	0	0.049062	0	0
LOC112449074	1	0.068108	0	0.111559	0	0	0	0	0	0	0	0.035934	0	0
LOC112449075	1	0.3098	0.092416	0.165956	0.03501	0.079311	0	0	0	0.060436	0	0.136498	0.012087	0.088552
LOC112449076	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449077	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449078	1	0.007476	0.001689	0.267784	0.32779	0	0	0	0	0.00773	0.004971	0.120948	0.00254	0.021003
LOC112449079	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449080	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449081	1	0.006123	0	0	0	0	0	0	0	0	0	0.001225	0	0
LOC112449082	1	0	0	0	0	0	0	0	0.129263	0	0	0	0.025853	#DIV/0!
LOC112449083	1	0.249703	0.053998	0.336488	0.114556	0.187425	0.055608	0.01129	0.027461	0.274654	0.017663	0.188434	0.077335	0.41041
LOC112449084	1	0.012273	0.014234	0.015213	0.01192	0.009901	0.003472	0.010573	0.017145	0.030865	0.029775	0.012708	0.018366	1.445205
LOC112449085	1	0.059158	0.086457	0	0.041685	0.075546	0	0.014789	0	0	0	0.052569	0.002958	0.056265
LOC112449086	2.57E-10	1.148893	1.006187	1.228965	1.207731	6.871704	0	0	0	0	0	2.292696	0	0
LOC112449087	0.060824	0.232941	0.306905	0.402748	0.302292	0.289724	0	0	0	0	0	0.306922	0	0
LOC112449088	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449089	1	0.006922	0.003474	0.005039	0.007371	0.004174	0	0	0	0	0	0.005396	0	0
LOC112449090	1	0.017712	0.05334	0.019341	0.038899	0	0	0	0	0	0	0.025858	0	0
LOC112449091	1	0.023773	0.107389	0	0	0	0	0	0	0.368698	0	0.026232	0.07374	2.811
LOC112449092	1	0.073609	0.083127	0	0	0.941685	3.02674	0.290487	0.760956	0	0	0.219684	0.815637	3.712766
LOC112449093	1	0	0	0.036411	0	0.045242	0	0	0	0	0	0.016331	0	0
LOC112449094	1	0.077164	0	0	0	0	0	0	0	0	0	0.015433	0	0
LOC112449095	0.091366	0.270671	0.375141	0.134349	0.125273	0.150241	0	0	0	0	0.010226	0.211135	0.002045	0.009687
LOC112449096	1	0	0.062905	0	0	0.604628	0	0	0	0	0	0.133507	0	0
LOC112449097	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449098	1	0.068319	0	0	0	0	0	0	0	0	0	0.013664	0	0
LOC112449099	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449100	1	0.028899	0.043514	0.231416	0.169241	0.069708	0	0	0	0.049798	0.016013	0.108555	0.013162	0.12125
LOC112449101	1	0.031698	0.089491	0	0	0	0	0	0	0	0	0.024238	0	0
LOC112449102	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449103	1	0	0	0.03302	0.012074	0	0	0	0	0	0	0.009019	0	0

LOC112449104	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449105	1	0	0	0	0	0	0	0	0.017139	0	0	0	0.003428	#DIV/0!
LOC112449106	1	0.240781	0.090638	0.262928	0.240358	0.816749	0	0	0	0	0.233484	0.330291	0.046697	0.141381
LOC112449107	1	0.00173	0.002855	0.079635	0.070461	0	0	0.001131	0	0.004816	0.000885	0.030936	0.001366	0.044167
LOC112449108	1	0.015743	0	0	0	0.08544	0	0	0	0	0	0.020237	0	0
LOC112449109	1	0.097753	0.055197	0.320235	0	0.033159	0	0	0	0	0	0.101269	0	0
LOC112449110	1	0.004233	0.01912	0.110931	0.040563	0	0	0	0	0.021882	0.007036	0.03497	0.005784	0.165391
LOC112449111	1	2.91098	2.348134	3.289191	1.777181	0.762495	2.470397	2.794306	2.469024	0.871547	2.503586	2.217596	2.221772	1.001883
LOC112449112	1	0.007245	0.001636	0	0	0.00983	0.003791	0.006158	0.022468	0	0	0.003742	0.006483	1.732547
LOC112449113	1	0.003118	0.007043	0	0	0	0	0	0	0.01612	0.020734	0.002032	0.007371	3.626996
LOC112449114	0.010657	0.099905	0.145671	0.085618	0.081804	0.089226	0.006618	0	0	0.006538	0.002102	0.100445	0.003052	0.030381
LOC112449115	1	0.002291	0	1.361052	0.348564	0	0.023981	0	0.011843	0.379028	0.224715	0.342382	0.127913	0.373599
LOC112449116	1	0.001038	0.002929	0.001133	0.001864	0	0	0	0	0	0	0.001393	0	0
LOC112449117	1	0.003783	0.003267	0.003888	0.001333	0.000604	0	0	0.000575	0.001151	0.00074	0.002575	0.000493	0.191489
LOC112449118	1	0	0	0	0.014176	0	0	0	0	0	0	0.002835	0	0
LOC112449119	1	0.00093	0.002101	0.006096	0.003344	0	0	0.003954	0	0	0.001547	0.002494	0.0011	0.441074
LOC112449120	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449121	1	0	0	0	0	0	0.061699	0	0	0	0.009799	0	0.0143	#DIV/0!
LOC112449122	1	0.019312	0	0	0	0	0	0	0	0.149754	0.128412	0.003862	0.055633	14.40379
LOC112449123	1	0.028786	0	0	0.009852	0	0	0	0	0	0.013672	0.007728	0.002734	0.353847
LOC112449125	1	0	0	0.016394	0	0.02037	0.078566	0.015951	0.0291	0.019403	0.012478	0.007353	0.031099	4.229681
LOC112449126	1	0.003899	0	0.002129	0.001168	0	0.010203	0.0145	0.007558	0.065513	0.048614	0.001439	0.029278	20.34312
LOC112449127	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449128	1	0.024875	0.021069	0.054327	0.014899	0	0	0	0	0	0.041351	0.023034	0.00827	0.359044
LOC112449129	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449131	1	0.002369	0.001338	0.001035	0.001987	0.000643	0	0	0.003062	0.006124	0.005908	0.001474	0.003019	2.047525
LOC112449132	1	0.021725	0.012267	0	0	0	0	0	0	0.112308	0	0.006798	0.022462	3.304016
LOC112449133	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449134	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449135	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449136	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449137	1	0	0	0	0	0	0	0.005853	0	0.028476	0	0	0.006866	#DIV/0!
LOC112449138	1	0	0	0	0	0	0	0.0236	0.019136	0.114832	0.036925	0	0.038899	#DIV/0!
LOC112449139	1	0.042662	0.050855	0.020705	0.042587	0.077181	0	0	0	0	0	0.046798	0	0
LOC112449140	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449142	1	0	0.005718	0	0.001516	0	0	0.005379	0	0	0.002104	0.001447	0.001497	1.03449
LOC112449143	1	0	0.005181	0.00501	0	0	0	0	0	0.011859	0	0.002038	0.002372	1.163659
LOC112449144	1	0.003839	0.021678	0	0	0	0	0	0.019844	0	0	0.005103	0.003969	0.777682
LOC112449145	1	0	0	0	0.013701	0	0	0	0	0	0	0.00274	0	0
LOC112449146	1	0.149703	0.023054	0	0.13042	0.313916	0	0	0	0	0	0.123418	0	0
LOC112449147	1.36E-06	1.860277	1.698537	0.540262	1.19718	3.678727	0	0	0	0	0	1.794996	0	0
LOC112449148	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449149	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449150	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112449151	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449152	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449153	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449154	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449155	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449156	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449157	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449158	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449159	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449160	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449161	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449162	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449163	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449164	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449165	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449166	1	0	0.446513	0	0	0	0	0	0	0	0	0.089303	0	0
LOC112449167	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449168	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449169	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449170	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449171	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449172	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449173	1	0.880354	0.662792	1.281772	0.703047	0	0	0	0	0	0	0.705593	0	0
LOC112449174	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449175	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449176	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449177	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449178	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449179	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449180	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449181	1	0	0	0.429494	0	0	0	0	0	0	0	0.085899	0	0
LOC112449233	1	0.141883	0.143363	0.048926	0.071563	0	0	0	0	0	0	0.081147	0	0
LOC112449235	1	0	0.025159	0.194623	0.053375	0	0	0	0	0	0.037035	0.054631	0.007407	0.13558
LOC112449236	1	0	0	0	0	0	0	0	0	0.291563	0.093754	0	0.077063	#DIV/0!
LOC112449237	1	0.005655	0.005109	0	0.00271	0	0	0	0	0	0	0.002695	0	0
LOC112449238	1	0	0.002885	0.011158	0	0	0	0	0	0	0	0.002809	0	0
LOC112449239	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449240	1	0	0	0.036524	0.040067	0	0	0	0.129665	0	0.055601	0.015318	0.037053	2.418909
LOC112449241	1	0	0	0	0.027604	0	0	0.048967	0	0.714776	0.804444	0.005521	0.313637	56.80953
LOC112449242	1	0	0.0078	2.006334	1.828594	0	0	0	0	0.035708	0.045929	0.768546	0.016327	0.021245
LOC112449243	1	0.04374	0.024698	0.071645	0.117891	0.029674	0.08584	0.011618	0.01413	3.872308	5.653245	0.05753	1.927428	33.50327
LOC112449244	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449245	1	0.006105	0.013407	0.028149	0.010564	0.00092	0.010651	0.027389	0.041201	0.033316	0.013532	0.011829	0.025218	2.131818
LOC112449246	1	0.00111	0.003761	0	0	0	0	0	0.002869	0	0	0.000974	0.000574	0.588991
LOC112449247	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449248	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112449249	1	0	0	0.035291	0.087106	0	0.084566	0	0	0	0.013431	0.024479	0.019599	0.800648
LOC112449250	1	0	0	0.063889	0	0	0	0	0	0	0	0.012778	0	0
LOC112449251	1	0.003621	0.002416	0.001797	0.001281	0.00067	0.000431	0.000525	0.000425	0.002552	0.000957	0.001957	0.000978	0.499778
LOC112449252	1	0.003564	0.00322	0.001557	0	0.003868	0	0.001514	0.001842	0	0	0.002442	0.000671	0.274944
LOC112449253	1	0	0.016907	0	0	0	0	0	0	0	0	0.003381	0	0
LOC112449254	1	0.180354	0.152379	0.210073	0.129627	0.068882	0	0.022711	0.058696	0.435104	0.282042	0.148263	0.159711	1.077212
LOC112449255	1	0.004166	0	0	0	0	0	0.017706	0	0	0	0.000833	0.003541	4.249899
LOC112449256	1	0.035519	0.100281	0.077573	0.063823	0	0	0	0.045899	0.045906	0.073806	0.055439	0.033122	0.597451
LOC112449257	1	0.089738	0.101342	0.783937	0.253385	0.104365	0	0.040862	0.115961	0.39764	0.010655	0.266553	0.113024	0.424019
LOC112449258	5.22E-09	0.5619	0.813888	2.014154	0.680412	0.911572	0	0	0	0	0	0.996385	0	0
LOC112449259	1	0	0	0	0.005578	0	0	0	0	0	0	0.001116	0	0
LOC112449260	1	0.008803	0.010736	0.039988	0.013076	0.003822	0.005528	0.005986	0.00455	0.005461	0.022828	0.015285	0.00887	0.580344
LOC112449261	1	0	0	0.001244	0.001364	0	0	0.00484	0.013245	0	0.00284	0.000522	0.004185	8.023757
LOC112449262	1	0.00104	0.001763	0.013634	0.009971	0	0	0.006633	0.002689	0.164058	0.099455	0.005282	0.054567	10.3313
LOC112449263	1	0	0	0	0	0	0.050197	0	0	0.07438	0	0	0.024915	#DIV/0!
LOC112449264	1	0.261868	0.129382	0.035744	0.147042	0.044414	0.085653	0.365175	0.401841	0	0.054414	0.12369	0.181417	1.4667
LOC112449265	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449266	1	0.033715	0.069227	0.247673	0.18725	0.006238	0.148372	0.242609	0.798077	0.384242	0.239469	0.108821	0.362554	3.331664
LOC112449267	1	0.119269	0.15265	0.191018	0.057149	0.258925	0	0	0	0	0	0.155802	0	0
LOC112449268	1	0.02427	0.025273	0.014456	0.013593	0.017962	0.029692	0.017414	0.030955	0.06029	0.034582	0.019111	0.034587	1.809793
LOC112449269	1	0	0.00187	0	0	0	0.011553	0.001173	0.001426	0	0	0.000374	0.00283	7.568869
LOC112449270	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449271	1	0.008711	0.004919	0.02378	0.058042	0	0.024218	0.04049	0.087236	0.239229	0.136204	0.01909	0.105475	5.525086
LOC112449272	1	0.040888	0.02914	0.036413	0.016168	0.006464	0.010387	0.006748	0.009234	0.061566	0.033655	0.025815	0.024318	0.942034
LOC112449273	1	0.004541	0	0.004958	0	0	0	0.019298	0.011736	0.011737	0.015097	0.0019	0.011574	6.091753
LOC112449274	1	0.001467	0.002347	0.000267	0.001172	0.000332	0.00128	0.001559	0.013902	0.001264	0.001423	0.001117	0.003885	3.478787
LOC112449275	1	0.009619	0.010863	0	0	0	0	0	0	0	0	0.004096	0	0
LOC112449276	1	0	0.03734	0	0.052811	0.089727	0.02884	0	0	0	0	0.035976	0.005768	0.16033
LOC112449277	1	0.043558	0.038259	0	0	0.013134	0.050657	0	0	0	0	0.01899	0.010131	0.533501
LOC112449278	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449279	1	0.099583	0.030395	0.05878	0.012896	0.014607	0	0	0.006956	0	0.026844	0.043252	0.00676	0.156294
LOC112449280	0.079645	0.097724	0.122473	0.127535	0.087083	0.045276	0	0.005065	0	0	0.009905	0.096018	0.002994	0.031182
LOC112449281	1	0.014447	0.016315	0	0.190363	0.176418	0	0	0	0	0.012008	0.079509	0.002402	0.030205
LOC112449282	1.53E-05	1.433461	1.180725	0.989634	0.904243	0.929747	0.005784	0.007046	0.002856	0.045708	0.084513	1.087562	0.029181	0.026832
LOC112449284	0.006781	0.471083	0.192288	0.359469	0.387536	1.185952	0	0	0	0.029341	0	0.519266	0.005868	0.011301
LOC112449285	1	0	0	0	0.008942	0	0	0	0	0	0	0.001788	0	0
LOC112449286	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449287	1	0	0.002013	0	0	0	0.018659	0.003788	0.004607	0	0	0.000403	0.005411	13.43839
LOC112449288	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449289	1	0	0	0.227681	0.131126	0	0	0	0	0	0	0.071761	0	0
LOC112449290	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449291	1	0.050718	0.005728	0	0	0	0	0	0	0	0	0.011289	0	0
LOC112449292	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449293	1	0.290374	0.060307	0.10205	0.055974	0.054343	0	0	0	0.034509	0	0.11261	0.006902	0.061289
LOC112449294	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449295	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112449296	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449297	1	0.007412	0	0	0.026635	0	0	0	0	0.057473	0.061602	0.006809	0.023815	3.49744
LOC112449298	0.931516	0.597063	0.65869	0.17214	0.099139	0.288754	0	0.016749	0.045834	0.040747	0.039308	0.363157	0.028528	0.078554
LOC112449299	1	0.002426	0	0	0	0	0	0	0	0	0	0.000485	0	0
LOC112449300	1	0.031024	0.020802	0.033877	0.026711	0.005262	0.005074	0	0.002506	0.020048	0.001612	0.023535	0.005848	0.248467
LOC112449301	1	0.001866	0	0	0	0	0	0	0	0.009645	0	0.000373	0.001929	5.169638
LOC112449302	1	1.766842	1.145453	0.714577	1.215022	0.577131	6.506772	4.936408	4.693145	4.228674	1.250979	1.083805	4.323196	3.988905
LOC112449303	1	0.001986	0	0.260286	0.49968	0	0	0	0	0	0	0.15239	0	0
LOC112449304	1	0	0.015358	0	0	0	0	0	0	0	0	0.003072	0	0
LOC112449305	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449306	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449307	1	0.035792	0.026947	0.056849	0.065611	0.023546	0.062437	0.024199	0.026629	0.084105	0.044173	0.041749	0.048308	1.15712
LOC112449308	1	0.015647	0	0	0.004686	0.021231	0	0	0	0	0	0.008313	0	0
LOC112449309	1	0	0	0.35057	0.631798	0	0	0	0	0	0	0.196474	0	0
LOC112449310	1.23E-07	0.883754	1.062578	0.364892	0.692595	1.706196	0.011505	0.018686	0.011363	0.034095	0.007309	0.942003	0.016592	0.017613
LOC112449311	1	0.064513	0.03857	0	0	0.164769	0	0	0.009808	0	0	0.05357	0.001962	0.036616
LOC112449312	1	0.01419	0.016025	0	0.067994	0	0	0	0.018337	0	0	0.019642	0.003667	0.186713
LOC112449313	1	0	0.019422	0.225367	0.123613	0	0	0	0	0.177821	0.014295	0.07368	0.038423	0.521485
LOC112449314	0.002202	0	0	0	0	0	0.043675	0.024827	0.023726	0.077658	0.034683	0	0.040914	#DIV/0!
LOC112449315	1	0.021662	0.034248	0.066232	0.036328	0.047027	0	0	0	0	0	0.041099	0	0
LOC112449316	1	0.036425	0.119292	0	0	0	0	0.023221	0	0	0	0.031144	0.004644	0.14912
LOC112449318	1	0.055084	0.124414	0.37357	0.027783	0.039337	0	0.036964	0.029971	0.044963	0.004819	0.124038	0.023343	0.188196
LOC112449319	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449320	1	0.002472	0.004187	0.008098	0.002961	0	0	0	0	0.00639	0	0.003544	0.001278	0.360616
LOC112449321	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449323	1	0.003895	0.003959	0.002552	0.002333	0.010571	0.004077	0.001655	0.002013	0.012082	0.001295	0.004662	0.004225	0.906188
LOC112449324	1	0.03103	0	0	0	0	0	0	0	0	0	0.006206	0	0
LOC112449325	1	0	0.002646	0	0	0	0.012263	0.019917	0.024224	0.012114	0.003895	0.000529	0.014482	27.36448
LOC112449326	1	0.033507	0	0.073179	0.013379	0	0	0	0	0	0.02785	0.024013	0.00557	0.231958
LOC112449327	1	0	0.023938	0	0	0	0	0	0	0	0	0.004788	0	0
LOC112449328	1	0.005789	0	0	0	0	0	0	0	0	0	0.001158	0	0
LOC112449329	1	0	0	0.029508	0.040463	0	0	0	0	0	0	0.013994	0	0
LOC112449331	1	0.040135	0.051288	0.0346	0.021508	0.005732	0	0.020199	0.049133	0	0.021069	0.030653	0.01808	0.589841
LOC112449332	1	0.125124	0.041357	0.02666	0.054836	0.033127	0	0	0.015774	0.205098	0.015219	0.056221	0.047218	0.839873
LOC112449334	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449335	0.002097	0.002513	0.001419	0	0	0	0.059189	0.056077	0.045469	0.220881	0.081471	0.000786	0.092618	117.7593
LOC112449336	1	0.036478	0.017655	0	0	0.014141	0.040907	0.01661	0.020202	0	0	0.013655	0.015544	1.138341
LOC112449337	1	0.008116	0	0	0	0	0	0	0	0.020979	0.03373	0.001623	0.010942	6.740653
LOC112449338	1	1.453322	1.797909	0	0	1.183151	0.518571	0.589572	0.768278	0	0	0.886876	0.375284	0.423153
LOC112449339	7.06E-05	1.824013	0.565097	0.810816	0.657426	0.350426	0	0	0	0	0	0.841556	0	0
LOC112449340	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449341	1	0	0	0.025993	0.014257	0	0	0	0	0	0	0.00805	0	0
LOC112449342	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449343	1	0.086415	0.03253	0	0	0	0	0	0	0	0	0.023789	0	0
LOC112449344	1	0.051596	0.218503	0.056342	0.216322	0	0	0	0	0	0	0.108553	0	0
LOC112449345	1	0.009451	0	0.01548	0	0.006412	0	0	0	0	0.155138	0.006268	0.031028	4.949826

LOC112449346	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449347	1	0.043279	0.051319	2.930102	3.3465	0.058722	0	0	0	0.111868	0.068347	1.285984	0.036043	0.028028
LOC112449348	1	0.010993	0.010641	0.00343	0.005644	0	0	0	0	0	0	0.006142	0	0
LOC112449349	1	0	0.004692	0	0.019909	0	0	0	0	0	0	0.00492	0	0
LOC112449350	1	0.003507	0.007921	0	0	0.009517	0	0	0	0	0	0.004189	0	0
LOC112449351	1	2.837053	1.698921	1.050172	2.773101	2.311513	1.150391	2.671266	0.781155	0	0	2.134152	0.920562	0.431348
LOC112449352	1	0.27514	0.187581	0.095698	0.239257	0.066368	0.031998	0.058466	0.052673	0.031608	0.057595	0.172809	0.046468	0.268898
LOC112449353	1	0.020022	0.007537	0	0	0	0	0	0	0.034503	0	0.005512	0.006901	1.251939
LOC112449354	1	0.095666	0.039286	0	0	0.070801	0.022757	0.027721	0	0	0	0.04115	0.010095	0.245331
LOC112449355	0.034582	0.640891	0.692294	0.334706	0.250343	0.037808	0	0	0.072015	0	0.046321	0.391208	0.023667	0.060498
LOC112449356	1	0.53542	0.167442	0.647632	0.305887	1.296481	0	0	0.021289	0	0	0.590573	0.004258	0.007209
LOC112449357	1	0	0	0.205084	0	0	0	0	0	0	0	0.041017	0	0
LOC112449358	0.001914	1.005318	0.824366	1.118765	0.958809	2.432703	0	0	0	0.099308	0.042578	1.267992	0.028377	0.02238
LOC112449359	1	0.149483	0.151831	0	0	0.038404	0.006943	0.007518	0.014859	0	0	0.067944	0.005864	0.086308
LOC112449360	1	0.353736	0.338949	0.185723	0.153231	0.079509	0	0	0	0.05172	0.045141	0.22223	0.019372	0.087173
LOC112449361	0.000221	0.68993	0.478616	0.290593	0.206616	0.160478	0	0.010472	0.006368	0.012738	0.004096	0.365247	0.006735	0.018439
LOC112449362	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449363	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449364	8.65E-10	1.800583	1.259539	0.959878	1.647401	2.885545	0	0	0	0.048863	0.015712	1.710589	0.012915	0.00755
LOC112449365	1	0	0	0.084658	0	0	0	0	0	0	0	0.016932	0	0
LOC112449366	1.46E-06	1.60057	0.568498	2.790828	1.314287	1.646296	0	0	0	0	0	1.584096	0	0
LOC112449367	2.35E-06	0.726519	0.562481	1.104139	0.681878	1.900395	0	0	0.029036	0.0968	0.080929	0.995082	0.041353	0.041557
LOC112449369	1	0.014719	0.015344	0.009067	0.010851	0.004097	0	0	0.000975	0.003902	0.006274	0.010816	0.00223	0.206215
LOC112449370	1	0.015916	0.129413	0.013904	0.022879	0.146849	0	0	0	0	0	0.065792	0	0
LOC112449371	1	0	0	0.026896	0	0	0	0	0	0	0	0.005379	0	0
LOC112449372	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449373	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449374	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449375	1	0	0	0	0	0	0	0	0	0	0.074689	0	0.014938	#DIV/0!
LOC112449376	1	0	0	0.017645	0.019357	0	0	0	0	0	0	0.0074	0	0
LOC112449377	1	0	0.044781	0	0	0	0	0	0	0	0	0.008956	0	0
LOC112449378	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449379	1	0	0	0	0	0.083755	0.323045	0	0	0	0.025653	0.016751	0.06974	4.163298
LOC112449380	1	0	0	0	0	0	0	0	0	0.124156	0.159694	0	0.05677	#DIV/0!
LOC112449381	1	0.011054	0.004993	0	0.002648	0	0	0	0	0.011429	0.011025	0.003739	0.004491	1.201044
LOC112449382	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449383	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449384	1	0	0	0	0	0	0	0	0	0.63251	1.627106	0	0.451923	#DIV/0!
LOC112449385	1	0.00383	0	0	0	0	0	0	0	0	0	0.000766	0	0
LOC112449386	1	0	0	0	0	0	0	0.066451	0.658105	0	0.022279	0	0.149367	#DIV/0!
LOC112449387	1	0	0	0.008568	0	0	0	0	0	0	0	0.001714	0	0
LOC112449388	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449389	1	0.024518	0.110754	0	0	0	0	0	0	0	0.081515	0.027054	0.016303	0.602598
LOC112449390	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449391	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449392	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112449393	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449394	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449395	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449396	1	0	0	0	0	0	0	0	0	0	0.286423	0	0.057285	#DIV/0!
LOC112449397	1	0.26267	0	0	0	0	0	0	0	0	0	0.052534	0	0
LOC112449398	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449399	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449400	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449401	1	0	0.265117	0	0	0	0	0	0	0	0	0.053023	0	0
LOC112449402	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449403	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449404	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449405	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449406	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449407	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449408	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449409	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449410	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449411	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449412	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449413	1	0	0.493241	0	0	0	0	0	0	0	0	0.098648	0	0
LOC112449414	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449415	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449416	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449417	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449418	1	0.351044	0	0	0	0	0	0	0	0	0	0.070209	0	0
LOC112449419	1	0	1.18931	0	0	0	0	0	0	0	0	0.237862	0	0
LOC112449420	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449421	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449422	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449423	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449424	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449425	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449426	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449427	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449429	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449430	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449431	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449432	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449433	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449435	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449436	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449437	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449438	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112449439	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449440	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449441	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449442	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449443	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449444	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449445	1	0.140156	0	0	0	0	0	0	0	0	0.465971	0.028031	0.093194	3.324667
LOC112449446	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449447	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449448	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449449	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449450	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449451	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449452	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449453	1	0	0.292543	0	0	0	0	0	0	0	0	0.058509	0	0
LOC112449454	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449455	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449456	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449457	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449458	1	2.262757	4.59962	0	0.542108	0	0	0	0	0	0	1.480897	0	0
LOC112449459	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449504	1	0.000907	0.005123	0	0.001087	0	0	0	0	0	0	0.001423	0	0
LOC112449505	1	0.074094	0.037036	0.071624	0.062566	0.059331	0	0.041297	0.028253	0.188379	0.060574	0.06093	0.063701	1.04547
LOC112449506	1	0.01789	0.048488	0	0.060005	0	0	0	0	0	0	0.025276	0	0
LOC112449507	1	0.011088	0.020869	0.096861	0.088547	0.030089	0	0	0	0	0	0.049491	0	0
LOC112449508	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449509	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449510	1	0.046654	0.064395	0.141515	0.102459	0.077369	0	0.082615	0.917709	0.133992	0.056012	0.086478	0.238066	2.752889
LOC112449511	1	0.000606	0	0.005294	0	0	0.012686	0.006439	0.015663	0.021931	0.049364	0.00118	0.021216	17.97937
LOC112449512	1	0.052694	0.021003	0.013539	0	0.016823	0.016222	0.052693	0.032044	0.016024	0	0.020812	0.023396	1.124191
LOC112449513	1	0.005627	0.009532	0.036869	0.040445	0.01527	0.014725	0.077724	0.058173	0.436361	0.135638	0.021549	0.144524	6.706839
LOC112449514	1	0.001508	0.001136	0	0	0	0.001316	0.004808	0.009096	0	0	0.000529	0.003044	5.75628
LOC112449515	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449516	1	0.142279	0.018683	0.014453	0.015854	0.017958	0	0	0	0	0	0.041846	0	0
LOC112449517	0.015741	0.002393	0.012251	0.005574	0.004204	0.004329	0.141091	0.039323	0.035869	0.103088	0.105015	0.00575	0.084877	14.76066
LOC112449518	1	1.266497	1.669617	0.891722	1.062613	4.212616	0.117871	0.146036	0.091046	0.606068	0.720981	1.820613	0.336401	0.184773
LOC112449519	1	0.03613	0.014837	0	0	0.017826	0	0	0	0	0	0.013759	0	0
LOC112449520	1	0.027164	0.018406	0	0.013016	0	0	0.011544	0.084243	0	0	0.011717	0.019157	1.635023
LOC112449521	1	0.0022	0.002485	0.00206	0.001883	0	0.009871	0.004676	0.012186	0.0065	0.005226	0.001726	0.007692	4.457515
LOC112449522	1	0	0.025732	0	0	0	0	0	0	0	0	0.005146	0	0
LOC112449523	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449524	1	2.784059	3.118039	2.27112	2.5663	1.232379	4.925519	7.167712	8.9898	8.676377	2.062375	2.394379	6.364357	2.65804
LOC112449525	1	0.085174	0.817594	1.720656	0.918265	0	0.445744	0.633467	0.385223	0.770558	0.814129	0.708338	0.609824	0.860923
LOC112449526	1	0.046239	0.05657	0.035345	0.036927	0	0	0.009826	0.005975	0.01992	0.006405	0.035016	0.008425	0.240611
LOC112449527	1	0.115065	0.081732	0.019629	0.007791	0.01412	0.004332	0.00578	0.006418	0.024454	0.012778	0.047667	0.010752	0.225572
LOC112449528	1	0.007283	0.003495	0.005567	0.004144	0.004447	0.010481	0.004643	0.004235	0.019766	0.022699	0.004987	0.012365	2.479349

LOC112449529	1	0.031301	0	0.068361	0	0	0	0	0	0	0.052033	0.019933	0.010407	0.522096
LOC112449530	1	0	0.00514	0	0	0	0	0	0	0	0.007567	0.001028	0.001513	1.471996
LOC112449531	1	0.011	0.006211	0	0	0.007462	0	0	0	0	0	0.004935	0	0
LOC112449532	1	0.00386	0.002906	0.007024	0.003468	0.001309	0.004208	0.000342	0.002078	0.013302	0.003743	0.003713	0.004734	1.275003
LOC112449533	1	0.001726	0.003248	0.002513	0	0	0.009031	0.009778	0.001487	0	0.004781	0.001497	0.005015	3.349791
LOC112449534	1	0.006545	0.002688	0.008446	0.001782	0.000807	0.003114	0	0.002306	0.009227	0.002473	0.004053	0.003424	0.844712
LOC112449535	1	0.009244	0.001988	0.003845	0.002109	0	0	0.002806	0.006826	0.011378	0.046831	0.003437	0.013568	3.947252
LOC112449536	1	0.012465	0.004692	0.005714	0.009217	0.002506	0.004832	0.002616	0.002386	0.051711	0.029931	0.006919	0.018295	2.644298
LOC112449537	1	0	0	0.087862	0.208831	0.036391	0	0	0	0.017331	0.078022	0.066617	0.019071	0.286276
LOC112449538	1	0	0	0	0.027604	0	0	0	0	0	0	0.005521	0	0
LOC112449539	1	0.013521	0.00509	0.044295	0.029694	0.012231	0	0.009577	0.005824	0	0.007492	0.020966	0.004579	0.218387
LOC112449540	1	0.048163	0.012798	0	0	0	0.029653	0.036122	0.014644	0	0	0.012192	0.016084	1.319187
LOC112449541	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449542	1	0.201512	0.045514	0	0.144834	0	0	0	0	0.208348	0.066996	0.078372	0.055069	0.702662
LOC112449543	1	0.01065	0.01804	0.063961	0.012757	0.04335	0.013933	0.056576	0.1445	0	0.008852	0.029752	0.044772	1.504855
LOC112449544	1	0.002961	0.001672	0	0.001773	0.000803	0.004648	0.002517	0.004591	0.039795	0.015257	0.001442	0.013362	9.267041
LOC112449545	1	0.194822	0.198013	0	0	0.158605	0.101957	0.206994	0.830787	0	0	0.110288	0.227948	2.066839
LOC112449546	1	0	0	0	0.001578	0	0	0	0	0.047663	0	0.000316	0.009533	30.20924
LOC112449547	3.04E-08	0.423842	0.718613	1.600664	0.269513	0.274437	0.011893	0.007244	0	0.005874	0.001889	0.657414	0.00538	0.008184
LOC112449548	1	0.283846	0.375316	0.152641	0.158902	0.329007	0.925611	0.603158	1.607247	0.324446	0.080617	0.259942	0.708216	2.724512
LOC112449549	1	0.004575	0.002583	0	0.00548	0	0	0	0.023645	0.047298	0.030418	0.002527	0.020272	8.020678
LOC112449550	1	0.002121	0.007187	0.013899	0.002541	0	0	0	0	0	0	0.00515	0	0
LOC112449551	1	0.049229	0.083392	0.19711	0.137599	0.133591	0	0	0	0	0	0.120184	0	0
LOC112449552	0.276551	0.08682	0.045894	0.076652	0.042043	0.020051	0	0	0	0	0	0.054292	0	0
LOC112449553	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449554	1	0.037769	0	0.268083	0.316707	0	0	0	0.012202	0.268475	0.423802	0.124512	0.140896	1.131585
LOC112449555	1	0.673346	0.883723	1.907754	1.046395	0.09877	0.190478	0.889432	0.094066	1.128958	0.484032	0.921998	0.557393	0.60455
LOC112449556	1	0.573232	1.311743	1.746093	1.517904	0.081872	0.15789	1.153979	1.676417	1.325732	0.426298	1.046169	0.948063	0.906224
LOC112449557	1	0.012707	0	0	0	0	0	0	0	0.043794	0	0.002541	0.008759	3.446425
LOC112449558	1	0.005879	0.002213	0	0.003521	0	0.015382	0.006246	0.012661	0.045585	0.066776	0.002322	0.02933	12.62874
LOC112449559	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449560	1	0	0	0.870194	0.374098	0	0	0	0	0.111342	0	0.248858	0.022268	0.089482
LOC112449561	1	0.038416	0.007656	0	0	0.012265	0	0	0	0	0	0.011667	0	0
LOC112449562	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449563	1	0.240267	0.135668	0	0	0.652006	0	0	0	0	0	0.205588	0	0
LOC112449564	1	0.047446	0.017861	0.086351	0.042627	0.300426	0.020692	0.033607	0	0.327041	0.111735	0.098942	0.098615	0.996694
LOC112449565	0.03025	2.016429	3.351836	0	0	4.721101	0	0	0	0	0	2.017873	0	0
LOC112449566	1	0	0	0	0.029719	0	0	0	0	0	0	0.005944	0	0
LOC112449567	0.15855	0.00955	0.003595	0.013904	0	0	0.066635	0.135283	0.197443	0.181016	0.317492	0.00541	0.179574	33.19494
LOC112449568	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449569	1	0.2282	0.386562	0	0.232356	0.464445	0	0	0	0	0	0.262313	0	0
LOC112449570	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449571	1	0.006132	0.004617	0	0.002449	0	0	0	0	0	0	0.00264	0	0
LOC112449572	1	0.081763	0.036934	0.020833	0.008162	0.051771	0	0	0	0.028179	0.002265	0.039893	0.006089	0.152631
LOC112449573	1	0.013876	0.010447	0	0.011081	0.012551	0	0	0	0	0	0.009591	0	0
LOC112449574	1	0.007559	0	0	0.009055	0	0	0	0	0	0	0.003323	0	0

LOC112449575	1	0.000969	0.002188	0.008461	0.00232	0	0.010137	0	0	0	0.00322	0.002787	0.002671	0.95838
LOC112449576	1	0	0.01657	0	0	0	0	0	0	0	0.024391	0.003314	0.004878	1.471996
LOC112449577	1	0	0.075545	0	0	0	0	0	0	0	0	0.015109	0	0
LOC112449578	1	0	0.044163	0	0.023423	0	0	0	0	0	0.032504	0.013517	0.006501	0.480929
LOC112449579	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449580	1	0	0	0.026861	0	0	0	0	0	0	0	0.005372	0	0
LOC112449581	1	0.100702	0	0	0	0	17.65468	0	0	1.561775	0.4185	0.02014	3.926991	194.9812
LOC112449582	1	0	0.025055	0	0	0	0	0	0	0	0	0.005011	0	0
LOC112449583	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449584	1	0	0.008298	0.016047	0.008802	0	0	0	0	0	0	0.006629	0	0
LOC112449585	1	0.044258	0.011733	0	0	0	0.009787	0.005298	0.00537	0	0	0.011198	0.004091	0.36533
LOC112449586	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449587	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449589	1	0.005066	0	0	0.009102	0	0	0	0	0	0	0.002834	0	0
LOC112449590	0.010193	0.095727	0.054053	0.17832	0.074199	0.114606	0	0	0	0	0.00702	0.103381	0.001404	0.013582
LOC112449591	1	0.022217	0.008363	0	0	0	0	0	0	0	0	0.006116	0	0
LOC112449592	1	0.004601	0.041567	0.070337	0.093694	0	0	0	0	0	0	0.04204	0	0
LOC112449593	1	0.216719	0.044054	0	0.176532	0.117621	0	0	0	0	0	0.110985	0	0
LOC112449594	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449595	0.244659	0.048767	0.027536	0.019365	0.026554	0.027069	0	0	0	0	0	0.029858	0	0
LOC112449596	1	0	0.044526	0	0	0	0	0	0	0	0	0.008905	0	0
LOC112449597	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449598	1	0.195009	0.279516	0.049141	0.143754	0.244242	0	0	0	0	0	0.182333	0	0
LOC112449599	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449600	0.021614	0.188858	0.189581	0.104751	0.175958	0.122023	0	0.00637	0	0	0.009967	0.156234	0.003267	0.020913
LOC112449601	1	0	0	0	0.057538	0	0	0	0	0	0	0.011508	0	0
LOC112449602	0.000431	4.510345	4.707056	2.762922	5.219889	4.527654	0.447774	0	0.015795	0.094784	0.20319	4.345573	0.152309	0.035049
LOC112449603	1	0.003373	0	0	0	0	0	0	0	0	0	0.000675	0	0
LOC112449604	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449605	1	0.006075	0.002695	0.000948	0.001949	0	0.013624	0.010373	0.012335	0.020188	0.017491	0.002333	0.014802	6.344007
LOC112449606	1	0	0	0	0.001853	0	0.008097	0	0.003999	0.007998	0.002572	0.000371	0.004533	12.22958
LOC112449607	1	0.002125	0.005998	0.057999	0.034357	0	0	0	0	0.197695	0.010595	0.020096	0.041658	2.072986
LOC112449608	1	0	0.004907	0	0	0	0	0	0	0	0	0.000981	0	0
LOC112449609	1	0	0.007113	0	0.001886	0	0	0	0	0	0	0.0018	0	0
LOC112449610	1	0	0	0	0.02291	0	0	0	0	0	0	0.004582	0	0
LOC112449611	1	0.011647	0.022547	0.119911	0.049826	0.013545	0	0	0	0.008601	0.002766	0.043495	0.002273	0.052268
LOC112449612	1	0.017156	0.069072	0.083894	0.085776	0.002024	0.003904	0.001585	0	0.01928	0.00558	0.051584	0.00607	0.117664
LOC112449613	1	0.647617	0.241272	0.087487	0.023993	1.286358	0	0	0	0	0.033296	0.457345	0.006659	0.01456
LOC112449614	1	0.051384	0.048357	0	0	0	0	0	0	0	0	0.019948	0	0
LOC112449615	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449616	1	0.004504	0.002035	0.001967	0.001079	0	0	0	0	0.116426	0.022463	0.001917	0.027778	14.48959
LOC112449617	1	0.004355	0.002459	0	0.006521	0	0	0	0	0	0	0.002667	0	0
LOC112449618	1	0	0	0	0	0	0	0.016982	0.041309	0	0	0	0.011658	#DIV/0!
LOC112449619	1	0.205454	0.504985	0.712645	0.332975	0.557534	2.593145	0.46226	0.124937	0.062478	0.220992	0.462718	0.692762	1.497157
LOC112449620	1	0.009458	0.028483	0.010328	0.013218	0.008556	0	0	0.02037	0	0.007861	0.014009	0.005646	0.403058

LOC112449621	1	0.182931	0.034431	0	0	0	0	0.064786	0.55157	0	0	0.043472	0.123271	2.835627
LOC112449622	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449623	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449625	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449626	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449627	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449628	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449629	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449630	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449631	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449632	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449633	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449634	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449635	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449636	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449637	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449638	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449639	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449640	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449641	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449642	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449643	1	0	0	0	0	0	0	0	0	2.72216	0.291777	0	0.602787	#DIV/0!
LOC112449644	1	0.173897	0	0	0	0	0	0	0	0	0	0.034779	0	0
LOC112449645	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449646	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449647	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449648	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449649	1	0	0	0	0	0	0	0	0	0	0.303108	0	0.060622	#DIV/0!
LOC112449650	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449651	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449653	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449654	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449655	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449656	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449657	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449658	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449659	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449660	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449661	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449662	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449663	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449664	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449665	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449666	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC112449667	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449668	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449669	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449670	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC112449671	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC281376	1	0	0	0	0.15027	0	0	0.038081	0	0.092643	0	0.030054	0.026145	0.86993
LOC282685	1	0	0	0	0.046902	0.070834	0.068302	0	0	0	0.086783	0.023547	0.031017	1.317219
LOC338087	1	0.302917	1.453867	0	0	0.924771	102.4478	31.13823	15.85318	0	0	0.536311	29.88785	55.72856
LOC404051	1	0.183152	0.13592	0.171427	0.344765	0.213006	1.15019	1.245401	1.40651	0.541044	0.565424	0.209654	0.981714	4.682549
LOC404061	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC404073	1	0	0.795351	0	0	0	0	0	0	0	0	0.15907	0	0
LOC404103	1	0.45938	0	0.013029	0.028586	0	0	0.025355	0.030837	0	0	0.100199	0.011238	0.112161
LOC404105	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC407134	1	0.923177	0.423536	1.260114	1.762477	0	0.905866	0.18391	1.938542	0	0	0.873861	0.605664	0.69309
LOC407145	1	0	0.021025	0.02033	0	0	0	0	0	0	0.023212	0.008271	0.004642	0.561274
LOC407148	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC407163	1	0.03039	0	0	0	0	0	0	0	0	0	0.006078	0	0
LOC407171	1	0.296228	0.080288	0.569317	0.553566	0.257237	0.06201	0	0	0	0	0.351327	0.012402	0.035301
LOC407201	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC407203	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC407205	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC503858	1	0.002415	0.000909	0.003516	0.004821	0.002184	0	0	0.006241	0.008322	0.005352	0.002769	0.003983	1.438454
LOC504200	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504207	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504233	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504273	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504295	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504337	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504344	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504369	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504425	1	0.252941	0.142824	0.483362	0.302997	0.686399	0.827327	0.201558	0.163428	0.163452	0	0.373705	0.271153	0.725581
LOC504475	1	0.03142	0.014785	0.004289	0.005489	0.014211	0	0	0	0.003384	0.004353	0.014039	0.001547	0.110218
LOC504490	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504501	1	0	0	0	0.013488	0	0	0	0	0	0	0.002698	0	0
LOC504548	1	0.345873	0.01953	0.151074	0.041432	0.328505	0	0	0	0	0	0.177283	0	0
LOC504551	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504567	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504570	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504599	1	0.090729	0	0	0	0	0	0	0	0	0.150822	0.018146	0.030164	1.662334
LOC504610	1	0.004541	0	0	0.003264	0	0	0	0	0	0.004529	0.001561	0.000906	0.58031
LOC504623	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504704	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504730	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504766	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504773	0.00417	2.120077	0.701336	0.795079	0.795237	1.3366	0	0	0	0	0	1.149665	0	0
LOC504812	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC504858	1	0	0	0	0	0	0.18134	0	0	0.895668	0.230407	0	0.261483	#DIV/0!
LOC504861	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC504888	1	0	0	0	0	0	0	0	0	0	0.031696	0	0.006339	#DIV/0!
LOC504893	1	0	0.488695	0.756068	0.544294	1.761468	0	0	0	0	0	0.710105	0	0
LOC504995	1	0	0	0	0	0	0	0	0.041952	0	0.053967	0	0.019184	#DIV/0!
LOC505033	1	0	0.157106	0	0	0	0.242683	0.04927	1.617937	0.839052	0.154173	0.031421	0.580623	18.47866
LOC505052	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC505058	1	0.032776	0.074029	0	0	0	6.861187	3.969948	2.541263	0	0	0.021361	2.67448	125.2032
LOC505072	1	0.109937	0	0	0	0	0	0	0	0	0	0.021987	0	0
LOC505099	4.50E-26	3.495379	3.306235	1.781495	2.059892	4.718994	0.02028	0.016469	0.012519	0.045074	0.019325	3.072399	0.022734	0.007399
LOC505120	1	0	0.121474	0.109628	0.051541	0.272437	0	0	0.055599	0.074143	0.119206	0.111016	0.04979	0.448491
LOC505183	1	0.076971	0.043462	0	0	0	0.201407	0	0	0.397911	0.383854	0.024087	0.196634	8.163665
LOC505199	1	0	0	0.065313	0.035824	0	0	0	0.07729	0.61841	0.198854	0.020227	0.178911	8.844949
LOC505326	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC505339	2.21E-06	0.052314	0	0	0	0	2.669341	2.139936	2.636472	1.825515	1.826245	0.010463	2.219502	212.1309
LOC505349	1	0.013907	0	0	0	0.037738	0	0	0	0	0	0.010329	0	0
LOC505362	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC505468	1	0.009818	0	0.042882	0	0	0	0	0	0	0.01632	0.01054	0.003264	0.309679
LOC505479	1	0.153837	0.231638	0.550622	0.50677	0.266712	0.983983	1.007926	2.13148	1.325466	0.497248	0.341916	1.189221	3.478111
LOC505546	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC505600	1	3.431599	3.147827	2.042719	2.263106	3.008826	9.271088	5.923084	7.267911	3.810604	3.068465	2.778815	5.868231	2.111774
LOC505646	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC505658	0.163048	0	0	0	0	0	1.122781	0.140276	0.170608	0.5119	0.65842	0	0.520797	#DIV/0!
LOC505856	1	0.093904	0	0	0.112488	0	0	0	0	0	0.052033	0.041278	0.010407	0.25211
LOC505918	1	2.800864	2.694435	1.894822	1.530711	2.456768	1.036413	0.551083	0.560571	1.876966	0.305695	2.27552	0.866146	0.380636
LOC505972	1	0.061703	0.034841	0.134757	0.092392	0.251163	0	0	0	0	0	0.114971	0	0
LOC506121	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC506139	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC506181	1	2.61406	2.734135	2.87366	1.933461	1.642501	0.688602	1.081125	2.108382	1.360444	1.210307	2.359563	1.289772	0.546615
LOC506202	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC506245	2.06E-13	0.126329	0	0.137949	0.100886	0.057136	21.4864	8.590154	15.78033	13.60571	14.35004	0.08446	14.76253	174.7877
LOC506251	3.64E-14	0.41076	0	0.448542	0.464711	0	131.3671	43.35131	48.00732	24.53802	44.00401	0.264803	58.25356	219.9884
LOC506261	1	0.147881	0.111335	0.161483	0.088573	0	0.128985	0.052373	0	2.293473	1.065252	0.101854	0.708017	6.951262
LOC506285	6.48E-20	0.017167	0	0.074985	0.082258	0	10.69113	23.52919	15.92796	24.58321	32.50428	0.034882	21.44715	614.8495
LOC506317	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC506323	1	0	0	0	0	0	0	0	0	0	0.096657	0	0.019331	#DIV/0!
LOC506376	1	0.029954	0	0.065417	0	0	0.235135	0.06365	0.11612	0.154849	0.298757	0.019074	0.173702	9.106659
LOC506408	1	1.622593	1.909944	2.604486	2.229404	3.461746	0.945608	0.729517	1.737173	1.008828	2.120587	2.365635	1.308343	0.553062
LOC506452	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC506486	1	0.006364	0.014374	0.069496	0	0	0	0.054095	0.148032	0	0.010579	0.018047	0.042541	2.357253
LOC506495	1	0.737643	0.861104	1.466175	0.853833	0.494807	0	0.017612	0.149941	1.071165	0.082666	0.882712	0.264277	0.299392
LOC506533	1	0	0	0.049063	0.080733	0	0	0	0	0	0	0.025959	0	0
LOC506549	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC506594	1	0.018449	0	0	0	0	0	0	0	0	0	0.00369	0	0
LOC506634	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC506645	0.40679	0.060812	0.343379	0.819006	0.619197	0.962644	0	0	0.026194	0	0.033697	0.561008	0.011978	0.021351

LOC506652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC506670	1	0	0	0.035854	0	0	0	0	0	0	0	0.007171	0	0
LOC506707	1	0.005217	0.005891	0	0	0	0	0	0	0.458482	0.026017	0.002222	0.0969	43.61555
LOC506828	1	0.012245	0	0.040114	0	0	0	0	0	1.740821	0.142488	0.010472	0.376662	35.96901
LOC506839	1	0.138651	0.071172	0	0	0	2.044887	4.419389	5.798513	0	0	0.041965	2.452558	58.44346
LOC506866	1	0	0	0.279263	0.086161	0.043375	0.20912	0.832133	0.784872	1.156821	1.899776	0.08176	0.976544	11.9441
LOC506868	1	0	0.011711	0	0	0.042213	0	0	0	0	0	0.010785	0	0
LOC506891	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC506960	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC506989	1	8.582909	7.946995	6.349024	8.761312	29.86532	0	2.745543	1.848503	0.834929	1.304033	12.30111	1.346602	0.10947
LOC506992	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507011	0.125459	0	0	0.039938	0	0.049625	1.052728	0.50517	0.708931	0.141807	3.267926	0.017913	1.135312	63.3802
LOC507055	1	0.279545	0.161067	0.049838	0.06834	0.030963	0	0.012123	0.029489	0	0	0.117951	0.008322	0.070557
LOC507184	1	0.006674	0.067834	0.218639	0.319794	0.307892	0	0	0	0.207016	0.011095	0.184167	0.043622	0.236862
LOC507216	0.000222	0.111791	0.018035	0	0	0	2.507309	2.273694	1.774778	9.6595	1.911434	0.025965	3.625343	139.623
LOC507247	1	0.014323	0.004044	0.031281	0.025736	0.019434	0	0	0	0	0	0.018963	0	0
LOC507253	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507271	0.091762	0.581828	0.183366	2.157219	0.162086	0.403902	15.50774	3.766573	6.714206	14.96926	9.267058	0.69768	10.04497	14.39767
LOC507302	1	0	0.025631	0	0	0	0	0	0	0	0	0.005126	0	0
LOC507377	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507378	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507383	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507423	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507443	1	2.608014	2.092202	3.87245	4.438542	3.085527	0.041612	0.050688	0	1.109839	0.555141	3.219347	0.351456	0.10917
LOC507494	7.13E-08	0.017363	0.013072	0	0.034665	0	2.241356	1.857064	1.585529	2.064479	0.798542	0.01302	1.709394	131.2903
LOC507527	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507550	1	0.047987	0	0.0262	0.057483	0.032555	0.408088	0.841251	0.682107	1.271384	0.249282	0.032845	0.690423	21.02054
LOC507560	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507581	1	2.216158	1.61003	4.069301	3.610084	3.198488	10.56368	6.43394	5.034393	5.983772	5.361736	2.940812	6.675503	2.269952
LOC507662	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507696	1	0.673744	0.959752	0.563527	0.502888	0.155602	0.128605	0.147954	0.338724	0.6352	0.697865	0.571103	0.38967	0.682311
LOC507726	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507743	9.90E-32	0.113411	0.307382	0.544908	0.271709	0.430865	133.1853	110.6157	68.23474	59.68477	80.04861	0.333655	90.35384	270.8003
LOC507756	1	0	0.021598	0	0	0	0	0	0.032952	0	0.010597	0.00432	0.00871	2.016348
LOC507767	1	0	0	0	0	0	0.28823	0.195056	0.094894	0	0	0	0.115636	#DIV/0!
LOC507784	1	0.157602	0.237308	0.458928	0.660766	0.07128	0.137464	0.167448	0.135771	0.543163	0.567638	0.317177	0.310297	0.978309
LOC507787	1	2.963477	0.082634	2.556886	1.957575	0.86045	8.041623	18.55483	15.41243	8.700305	9.203844	1.684204	11.98261	7.114698
LOC507882	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC507930	1	0.264697	0.227751	0.192696	0.256683	0	0.527713	0.857094	0.977278	1.368388	1.152419	0.188365	0.976578	5.184487
LOC507971	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508073	1	0	0	0	0	0	0	0.078022	0	0	0.579845	0	0.131574	#DIV/0!
LOC508086	1	0	0	0	0.024087	0	0	0	0	0	0	0.004817	0	0
LOC508098	0.186883	2.573825	2.293517	11.46184	10.74292	3.655957	0	0	0	0.311853	0.735377	6.145612	0.209446	0.034081
LOC508101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508131	2.28E-08	3.859551	4.228047	5.889236	2.831027	2.01166	0.21355	0.216776	0.210921	0.070317	0.130013	3.763904	0.168315	0.044718

LOC508153	1.60E-06	0.757389	0.748408	0.766748	0.760785	0.802853	0.020644	0.016765	0.02039	0.020393	0.006557	0.767237	0.01695	0.022092
LOC508180	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508238	0.492866	0.035236	0.119377	0	0	0	1.290817	0.524126	0.273198	6.193381	4.393071	0.030923	2.534918	81.97601
LOC508252	6.75E-12	0.20179	0.048832	0	0.069064	0	23.38359	4.992382	8.232482	38.52319	87.71815	0.063937	32.56996	509.406
LOC508275	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508285	3.71E-09	0.071217	0.17234	0.044438	0.048749	0.027608	5.324296	7.847648	5.048385	5.417284	3.500844	0.072871	5.427691	74.48403
LOC508307	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508314	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508315	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508392	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508420	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508426	1	0.065325	0	0	0	0	0.113955	0.046271	0.056276	0.112569	0.271479	0.013065	0.12011	9.193287
LOC508441	1	0	0	0	0.00864	0	0	0	0	0	0	0.001728	0	0
LOC508455	1	0.316532	0.3707	0.7425	0.82856	1.081657	0	0	0.151492	0.121211	0.467717	0.66799	0.148084	0.221686
LOC508459	1	0.116856	0.074231	0.031901	0.083113	0.109006	0.076443	0	0.018875	0.132147	0.024282	0.083021	0.050349	0.606464
LOC508468	1	0	0	0	0	0	0	0	0	0	0.021487	0	0.004297	#DIV/0!
LOC508589	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508595	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508604	1	0	0	0	0.047765	0	0	0	0	0	0	0.009553	0	0
LOC508623	0.037041	0.034892	0.029553	0	0.052247	0.213045	2.008642	2.038981	1.713375	1.533243	1.348569	0.065948	1.728562	26.21117
LOC508626	1	0	0	0	0	0	0	0	0	0	0.196353	0	0.039271	#DIV/0!
LOC508628	0.027095	0.316786	0.332195	0	0	0.368423	471.3015	105.4929	198.1291	0	0	0.203481	154.9847	761.6679
LOC508646	1	0.037865	0	0	0	0	0	0	0	0.195747	0	0.007573	0.039149	5.169638
LOC508666	0.001811	6.448764	6.057351	12.28165	12.9054	9.454883	0	0.064945	0	0.473997	0	9.42961	0.107788	0.011431
LOC508706	1	0	0.022047	0	0	0	0	0	0	0	0	0.004409	0	0
LOC508766	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508785	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508792	1	0	0	0	0	0.02788	0	0	0	0	0	0.005576	0	0
LOC508806	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508808	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC508820	1	0	0	0	0	0	0	0	0	0	0.148364	0	0.029673	#DIV/0!
LOC508826	1	0.001182	0.001335	0	0.002831	0	0	0	0	0	0.003929	0.001069	0.000786	0.734718
LOC508834	1	0.923089	1.55724	1.144884	1.283231	0.371105	0	0	0	0	0.037888	1.05591	0.007578	0.007176
LOC508858	1	0	0	0.084921	0	0	0	0	0	0	0	0.016984	0	0
LOC508879	0.039883	0.005865	0	0.038429	0	0	0.705993	0.448689	0.121269	0.485149	1.004269	0.008859	0.553074	62.43143
LOC508883	3.46E-23	0.026665	0	0	0.010647	0	11.25667	6.856014	8.246656	14.01446	15.95726	0.007462	11.26621	1509.733
LOC508916	1	1.09119	0	0.058125	0	0	0.046427	0.414731	1.467378	1.926214	2.507045	0.229863	1.272359	5.535297
LOC508933	1	3.096307	4.99853	3.370021	4.280606	10.96439	12.96319	5.759756	3.410787	0.682257	6.598408	5.341971	5.88288	1.101256
LOC508976	1	0.015073	0	0.065837	0.018056	0	2.681975	0.992906	1.636116	1.714276	1.102475	0.019793	1.62555	82.12657
LOC508980	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509005	1	0	0	0	0	0	0	0	0.047447	0	0	0	0.009489	#DIV/0!
LOC509006	1	8.63102	9.33109	8.739637	4.129081	10.83472	5.045215	1.942274	3.972369	3.244181	3.537773	8.333109	3.548363	0.425815
LOC509025	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509034	0.875376	0.010635	0.945774	13.94127	10.18184	0.036074	0.11131	0.00565	0.027485	0.068722	0.083972	5.023118	0.059428	0.011831
LOC509073	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509118	1	0.118057	0	0	0	0.053395	0	0.041811	0	0	0	0.03429	0.008362	0.243864

LOC509124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509128	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509155	1	0.017668	0	0	0.042328	0.383557	2.866304	3.453975	2.054765	2.192068	1.321641	0.088711	2.377751	26.80345
LOC509184	1	10.24493	10.32681	7.85551	9.249806	24.6206	69.16111	28.89986	8.186038	5.966963	20.09449	12.45953	26.46169	2.123811
LOC509226	1	0.025628	0.007839	0.010495	0.010233	0.024631	0	0	0	0	0.005325	0.015765	0.001065	0.067558
LOC509267	1	0	0	0.181289	0.248591	0	0	0	0	0.715214	1.391393	0.085976	0.421321	4.900448
LOC509280	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509283	1	1.213608	0.634661	1.517517	1.012969	0.618037	1.274657	1.330878	1.585964	1.379062	0.797504	0.999358	1.273613	1.274431
LOC509323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509345	1	0	0	0	0.023459	0	0.409954	0.166458	0.101227	0.607447	0.195329	0.004692	0.296083	63.10562
LOC509356	1	0.241826	0.200709	0.120899	0.104704	0.047439	0.030495	0.068103	0.195779	0	0.009687	0.143116	0.060813	0.424921
LOC509369	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509410	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509415	5.90E-15	0.463899	0.015875	0.214908	0.067358	0	53.33661	15.08515	26.04927	51.01604	84.61672	0.152408	46.02076	301.9577
LOC509506	1	0	0	0.065279	0.02387	0	0	0	0	0.051507	0	0.01783	0.010301	0.577764
LOC509508	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509510	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509513	1	0.028263	0.031918	0.092589	0.067713	0.728621	4.65918	1.051012	0.036522	0	0	0.189821	1.149343	6.054888
LOC509525	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509526	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509580	1	0.252941	0.124971	0	0	0	11.33439	7.692786	6.659691	0	0	0.075582	5.137373	67.97047
LOC509594	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509617	1	0	0	0	0.002424	0	0	0	0	0	0	0.000485	0	0
LOC509618	1	0	0	0	0	0	0.982865	0.099771	0	0	0.07805	0	0.232137	#DIV/0!
LOC509633	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509641	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509705	1	0.002886	0.003259	0.006303	0.044947	0	0	0	0	0	0	0.011479	0	0
LOC509710	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509761	1	0	0	0	0	0	0	0	0	0.038391	0.197517	0	0.047182	#DIV/0!
LOC509782	1	0	0.044745	0	0	0	0	0	0	17.00105	2.04182	0.008949	3.808575	425.5821
LOC509791	1	0.415375	0.134024	0.051838	0.042649	0	0.155271	0.113484	0.184031	1.196374	6.15524	0.128777	1.56088	12.12077
LOC509805	1	0.105166	0.336499	0.03828	0.062989	0.261604	0.183456	0.130359	0.045299	0	0	0.160907	0.071823	0.446361
LOC509810	1	3.797259	3.035589	2.858352	2.777035	1.911193	0.645005	0.548741	0.864585	2.032829	0.887821	2.875886	0.995796	0.346257
LOC509817	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509829	1	0.214946	0.030342	0.234716	0	0	0.984271	0.399655	0.624954	0.694495	0	0.096001	0.540675	5.631978
LOC509830	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509870	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509881	1	0	0.105062	0.050795	0.069652	0	0	0.024711	0	0	0.019331	0.045102	0.008808	0.195303
LOC509884	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509895	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509911	0.03695	0.023616	0	0.051577	0	0.064087	4.820086	1.380046	0.61035	0.488351	0.255178	0.027856	1.510803	54.23601
LOC509922	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC509941	1	0.026984	0.060946	0	0.032324	0	0	0.516057	0.069739	4.74292	8.747008	0.024051	2.815145	117.0495
LOC509956	1	0.017199	0	0	0	0	0.270018	0	0.222244	0.622374	0.972054	0.00344	0.417338	121.329
LOC509961	1	0.017479	0	0	0	0	0	0	0	0	0	0.003496	0	0
LOC509972	1	0.054094	0.095452	0.095989	0.064799	0.018349	0.300787	0.265817	0.174755	0.786511	0.00562	0.065737	0.306698	4.665552

LOC510046	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510081	8.74E-06	0.006603	0.013423	0.011537	0.004746	0	0.780984	0.232923	0.211614	0.512044	0.419312	0.007262	0.431375	59.40365
LOC510087	1	0	0	0	0	0	0	0	0	0	0.061216	0	0.012243	#DIV/0!
LOC510100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510107	1	0.549149	0.07752	0.449745	0.14801	0.037255	0.143694	0.058346	0	0.85167	0.182574	0.252336	0.247257	0.979872
LOC510112	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510150	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510185	1	0.015703	0	0	0.009405	0	0	0	0	0	0	0.005022	0	0
LOC510193	3.68E-21	2.762661	2.543004	5.327732	4.027446	5.79953	0	0	0	0	0	4.092074	0	0
LOC510252	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510257	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510293	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510351	1	0	0	0	0	0	0	0	0	0	0.400258	0	0.080052	#DIV/0!
LOC510362	1	2.880681	2.648438	2.606696	2.596757	2.302272	2.954335	4.099148	3.576581	2.534822	1.957288	2.606969	3.024435	1.160135
LOC510369	2.92E-09	0.044859	0.033773	0.09797	0	0	11.50328	14.48905	6.49236	9.894559	6.860465	0.03532	9.847941	278.8182
LOC510382	1	0.12716	0.164346	0	0	0.072848	0	0.001501	0	0	0	0.072871	0.0003	0.00412
LOC510433	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510454	1	0	0	0.108224	0.02968	0.067236	0	0	0	0.51235	0.082375	0.041028	0.118945	2.899119
LOC510520	1	0	0.026457	0.204657	0.149672	0	0.040868	0.016594	0	0	0	0.076157	0.011492	0.150903
LOC510530	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510536	1	3.70585	5.270048	2.947607	3.836358	3.000383	2.514027	5.784534	7.33097	4.020794	5.032227	3.752049	4.936511	1.315684
LOC510570	1	0.075959	0	0	0	0	0	0	0	0	0	0.015192	0	0
LOC510613	1.51E-11	7.21156	9.722456	9.018105	9.701808	12.56102	0.194682	0.214561	0.096142	0.576938	0.008834	9.642989	0.218231	0.022631
LOC510625	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510631	1	0.057787	0	0	0	0	0.075605	0	0	2.613971	0.072046	0.011557	0.552325	47.78942
LOC510673	1	0.021391	0	0	0	0	0	0	0.110565	0	0	0.004278	0.022113	5.168886
LOC510712	1	0	0	0	0	0	0	0.08237	0.100182	0	0	0	0.03651	#DIV/0!
LOC510722	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510731	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510786	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510795	1	0.291176	0	0	0	0	23.61924	9.177906	14.29805	0	0	0.058235	9.419039	161.7411
LOC510798	0.000233	0.665769	0.751857	1.690713	2.28128	1.596599	0	0	0	0	0	1.397244	0	0
LOC510860	1	0.117626	0.044278	0.08563	0.234838	0.212798	0	0	0	4.053877	0.065178	0.139034	0.823811	5.925247
LOC510901	1	0	0	0	0.011165	0	0	0	0	0	0	0.002233	0	0
LOC510904	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510913	1	0	0.050276	0.111119	0.030474	0.034518	0	0	0	0.032879	0.021145	0.045277	0.010805	0.238633
LOC510931	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC510984	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511103	1	0	0.070268	0	0	0	0	0	0	0	0	0.014054	0	0
LOC511106	1	0	0	0.024709	0	0	0.828922	0.024041	0.116959	0	0	0.004942	0.193985	39.25405
LOC511130	1	0	0	0	0.110102	0	0	0	0	0.158386	0.05093	0.02202	0.041863	1.901107
LOC511136	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511161	1	0.05214	0.153094	0.159421	0.124917	0.792351	0.109147	0.310227	0	0	1.438794	0.256384	0.371633	1.449516
LOC511175	0.173896	1.044701	1.313854	0.648178	0.725267	2.963838	0	0.050453	0	0	0.019735	1.339168	0.014038	0.010482
LOC511229	1	9.991496	11.15717	8.401159	6.101585	8.087055	10.76792	22.45517	14.59467	12.57348	13.69074	8.747693	14.81639	1.693749

LOC511240	1	0.163668	0.046208	0.089361	0.098028	0.943799	0	0	0.052874	1.057629	0	0.268213	0.222101	0.828076
LOC511264	1	0.117381	0.132558	0.085451	0.164044	0.212355	0.511909	0.124714	0.303363	1.314765	2.374028	0.142358	0.925756	6.503017
LOC511302	1	0.179207	0	0	0	0	0.562709	0.076161	0.09263	6.114469	5.779291	0.035841	2.525052	70.45076
LOC511330	0.140752	0.175909	0.29214	0.022599	0.024791	0	1.462113	2.484657	1.952222	3.156105	3.921862	0.103088	2.595392	25.17655
LOC511347	1	0.004682	0	0.002557	0	0	0	0	0	0	0	0.001448	0	0
LOC511353	1	0	0	0.046086	0	0	0	0	0	0	0	0.009217	0	0
LOC511354	1	0	0.009569	0.018505	0	0	0	0	0	0	0	0.005615	0	0
LOC511386	0.000109	0.177788	0.036505	0.035298	0.038722	0	7.189632	1.202061	1.587305	5.681708	10.15593	0.057663	5.163328	89.54368
LOC511400	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511401	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511409	1	0.563514	0.402709	0.576888	0.105474	0.071681	1.635804	2.179715	2.571405	1.752451	0.761109	0.344053	1.780097	5.173901
LOC511436	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511494	1	0	0.113622	0	0	0.182018	0	0.106898	0	0.346751	0.05575	0.059128	0.10188	1.723039
LOC511498	1	0.137087	0.185775	0.279433	0.14232	0.248006	0.191312	0.155361	0.259815	4.252132	0.303845	0.198524	1.032493	5.200847
LOC511509	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511531	1	1.055251	0.599506	0.282776	0.224897	0.210818	0.745365	0.220109	0.150584	0.234275	0.075333	0.47465	0.285133	0.600723
LOC511569	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511570	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511617	1	0.053629	0	0.023425	0.025697	0.029106	0.617448	0.125355	0.124741	0.249518	0.106979	0.026371	0.244808	9.283112
LOC511622	1	0	0	0	0	0	0	0	0	1.144688	0	0	0.228938	#DIV/0!
LOC511642	1	0	0	0	0	0	0	0.042097	0	0.102416	0.065865	0	0.042076	#DIV/0!
LOC511657	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511678	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511683	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511687	1	0.168277	0	0	0.025197	0	0.125807	0.025541	0	0.031069	0.084919	0.038695	0.053467	1.381766
LOC511695	1	0	0	0	0	0	0	0	0.081349	0	0	0	0.01627	#DIV/0!
LOC511713	1	1.35286	0.475028	1.638682	2.655577	0.586161	0.356973	0.169103	1.145876	0.764028	2.64577	1.341661	1.01635	0.757531
LOC511741	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511753	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511823	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511847	1	0.411807	0.549611	1.308174	1.584542	0.033864	0.58776	0.662931	0.451517	0.129024	0.165954	0.777599	0.399437	0.51368
LOC511865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC511898	5.19E-15	0.037865	0.042761	0	0.015119	0	8.190542	17.59404	11.93881	5.154663	6.75596	0.019149	9.926802	518.3992
LOC511936	2.10E-12	26.07985	46.79943	81.20012	86.90908	21.27382	0.665597	2.687588	0.80349	0.401804	0.299516	52.45246	0.971599	0.018523
LOC511937	1	0.316278	1.887922	1.249908	0.523198	0	14.02967	2.880319	2.68575	5.839436	0.826193	0.795461	5.252274	6.602804
LOC511981	0.130148	0.070871	0	0.503035	0	0	12.14673	7.002799	3.663254	1.190731	3.593256	0.114781	5.519354	48.08584
LOC512005	1	0.083224	0.10965	0.030293	0.033231	0.169382	0	0	0	0	0	0.085156	0	0
LOC512085	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512119	1	0	0	0	0	0	0	0.171834	0.574725	0.209021	0.336061	0	0.258328	#DIV/0!
LOC512139	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512149	1	0.070704	0.099809	0.057906	0.042348	0.047967	0	0	0	0	0	0.063747	0	0
LOC512165	1	0.310625	0.13492	0	0	0.194523	83.90616	8.326949	15.43833	0	0	0.128014	21.53429	168.2187
LOC512175	1	0.098458	0	0	0.058971	0	0.128816	0	0.063615	0.127248	0	0.031486	0.063936	2.030619
LOC512248	0.551673	0.226563	0.377055	0.286466	0.307109	0.404485	2.028134	1.659684	1.463848	3.852792	2.715652	0.320336	2.344022	7.317394
LOC512249	1	0	0	0	0	0	0	0	0	0	0.057337	0	0.011467	#DIV/0!
LOC512286	0.000379	3.409331	2.507437	4.00268	4.501074	5.401342	0.137512	0.013959	0.016977	0.101879	0.262078	3.964373	0.106481	0.026859

LOC512293	1	0.073795	0.104172	0.342477	0.0221	0	0	0.176412	0.214559	0.095374	0.061336	0.108509	0.109536	1.00947
LOC512323	1	0	0.111511	0	0	0	0.103351	0	0	0	0.525259	0.022302	0.125722	5.637209
LOC512340	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512381	1.68E-19	0.091123	0.086657	0.031422	0.06894	0.052058	6.75155	6.226774	6.135436	8.752016	13.84813	0.06604	8.342782	126.3288
LOC512399	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512440	1	0	0	0.013159	0.014435	0.032701	0	0	0	0	0	0.012059	0	0
LOC512441	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512464	1	0.979127	1.178298	1.51691	1.213208	1.021295	0.624499	1.215848	1.992767	0.30054	0.467945	1.181768	0.92032	0.778766
LOC512486	1	0.603402	0.119249	0.197671	0.325265	0.941525	1.499955	0.176302	0.136453	0.896819	0.150458	0.437422	0.571997	1.307654
LOC512488	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512541	1	0.076301	0.024619	0.071416	0.0914	0.562007	1.026789	2.432028	1.324023	1.296041	1.069057	0.165149	1.429588	8.656372
LOC512548	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512579	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512580	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512594	0.084792	0.030343	0.01285	0	0	0	57.26487	12.84699	9.315528	0	0	0.008639	15.88548	1838.914
LOC512612	1	0	0	0	0.070747	0	0	0	0	0	0	0.014149	0	0
LOC512617	1	0	0.029567	0.209658	0.031363	0.071048	0	0	0	0	0.043522	0.068327	0.008704	0.127394
LOC512624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512627	1	0.021612	0.009763	0.05664	0.051778	0	0.045241	0	0	0	0	0.027958	0.009048	0.323631
LOC512672	1	6.164095	8.933335	19.50637	7.40166	1.20485	0.038726	0.094346	0.114747	1.453678	1.377719	8.642062	0.615843	0.071261
LOC512673	1	0.162706	0.446236	1.218318	2.227475	0	23.72013	15.95349	10.15216	4.806453	3.400208	0.810947	11.60649	14.31226
LOC512684	1	0.287135	0.255997	0.717854	0.466152	0.133282	0.019772	0.048169	0.06835	0.156251	0.150731	0.372084	0.088655	0.238265
LOC512722	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512775	1	0.021257	0	0	0	0	0	0	0	0.219786	0.247358	0.004251	0.093429	21.97561
LOC512838	0.004385	0.028488	0.016086	0.171097	0.136504	0	1.714516	1.755547	1.711811	2.135472	2.912454	0.070435	2.04596	29.04747
LOC512859	0.000387	0.542063	0.288073	0.069638	0.076392	0	12.68213	9.01158	11.12504	4.615501	9.010892	0.195233	9.289027	47.57916
LOC512863	1	0.528908	0.335326	0.58769	0.522422	0.931675	0	0	0	0.911421	0.0617	0.581204	0.194624	0.334864
LOC512867	1	0.053476	0	0.046716	0	0.116094	0.055972	0.159088	0	0.165872	0.177791	0.043257	0.111745	2.583259
LOC512869	1	0.269349	0.389807	0.677227	0.42975	0.267187	0.775868	0.899413	1.216743	1.573806	0.728061	0.406664	1.038778	2.554389
LOC512881	1	0	0.072141	0	0	0	0	0	0	0.08256	0.053095	0.014428	0.027131	1.880426
LOC512948	1	0	0	0	0	0	0.571433	0.42538	0.517364	0	0.30252	0	0.36334	#DIV/0!
LOC512953	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512956	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512973	1	0	0	0	0	0	0	0	0	0	0.06671	0	0.013342	#DIV/0!
LOC512978	1	0.822751	0.071472	0	0	0	16.14648	16.23906	28.41954	0	0	0.178845	12.16102	67.99763
LOC512980	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC512998	1	0.029717	0.067118	0	0.017799	0	0	0.063146	0.115201	0.076812	0.024699	0.022927	0.055972	2.441337
LOC513039	2.73E-10	0.098501	0.074159	0.358538	0.196656	0.534599	38.48982	9.907336	13.74681	61.61503	238.8446	0.252491	72.52072	287.2214
LOC513062	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513099	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513151	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513164	6.95E-17	0.019645	0	0.017162	0.009413	0	3.94791	5.026124	2.43706	2.924898	3.54655	0.009244	3.576508	386.8984
LOC513175	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513181	0.000998	0.032322	0.008589	0.033219	0.034163	0	0.199001	0.189886	0.226033	3.882435	10.47096	0.021658	2.993663	138.2218
LOC513186	1	0.017427	0	0.003806	0.006263	0	0	0	0.013512	0.063063	4.516296	0.005499	0.918574	167.0414

LOC513210	0.272926	1.826034	1.334333	0.793988	0.91059	5.58307	0.345927	0	0.021354	0.256288	0.137352	2.089603	0.152184	0.072829
LOC513241	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513245	1	1.313889	0.785532	0	0	0	22.04368	11.16779	15.68001	0	0	0.419884	9.778296	23.28808
LOC513322	1	0.067015	0	0	0	0	9.381495	4.37889	3.463916	0	0	0.013403	3.44486	257.0226
LOC513329	1	0.609521	0.731357	0.582387	0.410705	2.429373	3.688236	0.040475	0.049227	0.295407	0.126654	0.952669	0.84	0.881733
LOC513333	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513334	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513384	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513399	0.000216	0.040563	0	0	0.097181	0	1.344452	2.212346	2.201513	5.032762	1.123833	0.027549	2.382981	86.4998
LOC513452	0.538682	0	0	0	0	0	1.201546	0.146363	0.534038	0.237385	0.801494	0	0.584165	#DIV/0!
LOC513494	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513508	1	2.181457	1.723754	2.777969	2.156042	3.934999	0.865374	0.662212	0.854718	0.427421	1.236963	2.554844	0.809338	0.316786
LOC513532	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513573	1	0.053791	0.052069	0	0	0.020853	0	0	0	0.317808	0.255484	0.025343	0.114658	4.524319
LOC513580	4.69E-07	0.637208	0.265117	0.073244	0.241045	0	20.27159	8.444908	11.31111	18.29113	16.94805	0.243323	15.05336	61.86578
LOC513584	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513659	3.75E-05	0.403302	0.428433	0.11943	0.188332	0.361718	1.967519	14.84492	9.221801	4.222856	1.87491	0.300243	6.426401	21.404
LOC513690	1	0.073967	0	0	0	0	0	0.014289	0.086892	0.069524	0.044712	0.014793	0.043083	2.912343
LOC513698	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513706	1	0	0	0.57144	0.243781	0	0	0	0	0	0	0.163044	0	0
LOC513767	1	0.566218	0.468317	0.452838	0.649609	1.471605	0.08347	0.152516	0.123664	0.082455	0.026514	0.721717	0.093724	0.129862
LOC513770	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513779	1	0.001021	0	0.002231	0	0	0.010691	0	0.00264	0.026403	0.006792	0.00065	0.009305	14.30565
LOC513842	2.16E-08	3.464434	0.489051	5.326199	3.194427	1.608123	137.291	33.07943	22.67861	112.408	173.226	2.816447	95.73661	33.99198
LOC513869	1	0.028031	0	0	0	0	0.220044	0.268042	0.181112	0	0	0.005606	0.13384	23.87337
LOC513884	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513894	1	0.156798	0.177073	0.456587	0.292175	0.141832	0	0	0	0.990718	0.955717	0.244893	0.389287	1.589621
LOC513914	1	0	0	0	0.048072	0	0	0	0	0	0	0.009614	0	0
LOC513925	1	0	0	0	0.064187	0	0	0	0	0	0	0.012837	0	0
LOC513941	1	0	0	0	0	0	0	0	0	0	0.013382	0	0.002676	#DIV/0!
LOC513948	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC513969	5.37E-06	1.457916	0.820788	2.423245	2.096744	1.960646	0.045013	0.045693	0.088918	0.088931	0.035745	1.751868	0.06086	0.03474
LOC514001	1	0.22907	0.358933	0.112563	0.05831	0.093243	0.074925	0.146029	0.281209	0.444078	0.323672	0.170424	0.253983	1.4903
LOC514002	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514011	1	4.13484	4.005939	4.01612	5.774272	12.46077	0.341668	0.323707	0.196852	0.731272	13.87359	6.078388	3.093417	0.508921
LOC514057	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514071	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514083	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514121	1	0.05623	0	0	0	0	0	0	0	0.29069	0	0.011246	0.058138	5.169638
LOC514151	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514181	1	0.889246	0.482031	1.553663	0.340871	7.335891	13.03041	2.645445	4.688341	5.148731	1.478224	2.12034	5.39823	2.545926
LOC514189	1	0.068867	0.061106	0.032229	0.09428	0.173532	0.798031	0.930291	1.182306	0.71203	0.793177	0.086003	0.883167	10.26906
LOC514235	1	0	0	0.698939	0.343011	0	0	0	0	0	0.028	0.20839	0.0056	0.026873
LOC514257	1	0.581031	0.41459	0.315659	0.346275	0.894263	0.136152	0.073711	0.014942	0	0	0.510363	0.044961	0.088096
LOC514367	1	0	0	0	0	0.063468	0	0	0	0	0	0.012694	0	0
LOC514406	4.39E-14	0.082372	0.015504	0	0	0	14.44122	5.236522	8.604162	7.27468	6.56124	0.019575	8.423564	430.3173

LOC514434	1	0.013235	0	0	0.031709	0	0	0	0	0	0	0.008989	0	0
LOC514457	1.91E-07	1.085969	5.266269	6.250165	6.121769	0.03467	324.7466	404.5683	166.7136	142.0029	126.1122	3.751768	232.8287	62.05839
LOC514503	1	0.749095	0.161135	0.545331	0.235017	0.1936	0	0.075799	0.046095	3.319328	1.452787	0.376835	0.978802	2.597425
LOC514507	2.13E-07	0	0.02207	0	0.058526	0.026517	5.676276	4.464262	3.712333	3.283493	0.795934	0.021423	3.586459	167.4146
LOC514546	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514552	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514651	4.87E-11	0.440707	0.19142	0.148075	0.162437	0.091995	22.53138	7.852019	16.55903	55.02955	39.2787	0.206927	28.25014	136.5225
LOC514658	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514662	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514680	1	0	0	0	0.110553	0	0.48298	0	0	0.954205	0.153416	0.022111	0.31812	14.3877
LOC514681	1	0	0	0	0	0	0	0	0.032952	0	0	0	0.00659	#DIV/0!
LOC514686	7.59E-05	0	0	0.031576	0	0	0.453979	3.625246	1.307801	1.86856	1.70641	0.006315	1.792399	283.8266
LOC514725	4.54E-06	0.093437	0	0	0	0	2.542735	3.17679	2.463128	5.506617	2.889023	0.018687	3.315659	177.4271
LOC514818	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514828	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514831	1	0	0	0	0	0	2.018721	1.280758	2.430021	0	0	0	1.1459	#DIV/0!
LOC514861	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514864	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514883	1	0	0	0	0	0	0	0	0	0	0.03357	0	0.006714	#DIV/0!
LOC514891	1	0	0.022732	0	0	0	0	0	0	0	0	0.004546	0	0
LOC514976	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC514978	1	0	0	0.156403	0.021447	0	0	0	0	0	0.049603	0.03557	0.009921	0.278904
LOC515000	0.820662	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515027	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515042	2.89E-05	53.18874	43.42485	23.85507	29.47728	98.69055	6.434316	7.231982	5.065648	3.868876	6.368424	49.7273	5.793849	0.116512
LOC515045	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515089	3.01E-08	2.649133	2.499311	2.825526	2.032325	2.842113	0.074403	0.030211	0.048991	0.122496	0.070901	2.569682	0.0694	0.027007
LOC515090	1	0	0	0	0	0	0.359366	0.145917	0	0	0	0	0.101057	#DIV/0!
LOC515141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515149	1	0	0.031398	0	0.033305	0	0	0	0	0	0	0.012941	0	0
LOC515150	1	0.26483	0.049846	0.048198	0.621259	0.059889	0	0	0	0	0	0.208804	0	0
LOC515169	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515227	0.060583	0	0.04902	0	0	0.117793	1.968759	1.752527	1.682754	0.2992	1.395043	0.033363	1.419657	42.5523
LOC515240	1	0.384295	0	0.027074	0.059399	0	0.194627	0.158053	0.288345	0	0.041215	0.094154	0.136448	1.449205
LOC515255	4.78E-06	0.038604	0	0.105387	0.034683	0	3.78802	1.127936	1.79586	3.642136	7.780957	0.035735	3.626982	101.4972
LOC515276	9.52E-11	0.367292	0.656743	0.50803	0.505974	0	0	0	0	0	0	0.407608	0	0
LOC515333	1	0.812417	0.937289	0.941906	0.585716	0.612398	1.325359	0.836532	0.395304	1.672184	0.846152	0.777945	1.015106	1.304855
LOC515358	1	26.6726	27.50341	23.16779	30.54835	60.815	21.81421	11.19625	6.77839	6.900437	8.252692	33.74143	10.9884	0.325665
LOC515414	1	0	0	0.451205	0.365334	0	0	0	0	0.101719	0	0.163308	0.020344	0.124573
LOC515418	1	0.003688	0.020826	0.01611	0.026509	0	0	0	0	0	0	0.013427	0	0
LOC515468	1	0.025108	0	0	0.030077	0	0.131399	0.373475	0.129781	0.3894	0	0.011037	0.204811	18.55675
LOC515473	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515482	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515485	1	0	0	0.442626	0.269754	0	0	0	0	0	0.037434	0.142476	0.007487	0.052548
LOC515540	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515545	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC515547	4.73E-09	0.059059	0.013339	0.025797	0.042448	0	3.338032	3.388451	1.953736	5.434617	5.478242	0.028129	3.918616	139.3104
LOC515551	1	5.338946	7.611176	6.547786	5.417436	5.473073	3.018471	3.529641	3.654031	6.002196	3.997068	6.077683	4.040281	0.664773
LOC515570	1	27.01396	23.71258	40.25696	33.16658	24.35095	17.71538	35.49206	31.744	23.3561	27.46122	29.70021	27.15375	0.914261
LOC515578	1	0.129052	0.120021	2.171863	2.39161	0.576808	0.039728	0.403278	0.686675	0.431687	0.53001	1.077871	0.418276	0.388057
LOC515600	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515601	1	0	0	0	0	0	0	0	0	0	0.018819	0	0.003764	#DIV/0!
LOC515619	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515622	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515676	1	0.35609	0.142693	0.15052	0.09632	0.561084	0.060114	0	0	0	0.03819	0.261341	0.019661	0.07523
LOC515694	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515697	4.11E-05	0.931283	0.821644	0.243643	0.331187	0.816074	0	0	0	0	0	0.628766	0	0
LOC515704	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515736	1	1.281986	1.033414	1.932527	1.644267	2.553528	2.010457	1.861965	8.824098	3.034771	1.937353	1.689144	3.533729	2.092023
LOC515755	1	0.585843	0.535838	0.074018	0.31319	1.011682	0	0.288073	0.225235	0.525625	0.32194	0.504115	0.272174	0.539906
LOC515790	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515823	1	0.216619	0	0	0.025949	0	0	0	0	0.055992	0.036009	0.048514	0.0184	0.379281
LOC515828	0.000135	0.668147	0.388477	0.462323	0.3566	0.682168	0	0	0	0	0.010997	0.511543	0.002199	0.004299
LOC515862	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515887	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC515953	1	0	0	0.024357	0.066798	0	0	0	0	0	0	0.018231	0	0
LOC515991	1	0	0	0	0.040318	0	0	0	0	0	0	0.008064	0	0
LOC516101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516108	1	7.397909	7.223644	14.63926	19.1192	23.90204	0.427798	0.21713	0.264081	1.056478	9.681965	14.45641	2.32949	0.161139
LOC516132	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516179	1	0	0.040284	0	0.04273	0	0.186679	0.075799	0.09219	0.368814	0.622623	0.016603	0.269221	16.21541
LOC516263	1	0	0	0.044104	0	0	0	0	0	0	0	0.008821	0	0
LOC516273	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516355	1	25.68449	24.3051	16.68139	17.14342	23.09846	37.35993	46.12116	44.7042	35.56505	39.23261	21.38257	40.59659	1.898583
LOC516378	1	0.011767	0	0.0257	0	0	0.123166	0.025005	0.030412	0.243334	0.176053	0.007493	0.119594	15.95987
LOC516396	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516409	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516410	0.056783	0.027639	0.04682	0	0.066218	0	1.157163	0.411124	1.321494	1.14308	0.48243	0.028135	0.903058	32.0969
LOC516414	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516421	1	3.488916	4.097908	2.894004	2.967071	1.896589	6.115475	18.70076	6.647078	5.723099	1.031685	3.068898	7.64362	2.490673
LOC516439	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516442	0.066142	0.394299	1.383407	2.466353	3.769455	1.069998	0.180305	0.10575	0.089043	0.01979	0.388183	1.816702	0.156614	0.086208
LOC516467	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516475	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516494	0.229704	1.107117	0.588897	1.068782	1.412701	0.391872	0.08397	0.034095	0	0	0.040009	0.913874	0.031615	0.034594
LOC516599	1	0.013092	0.014785	0.028593	0	0	0	0	0	0	0	0.011294	0	0
LOC516636	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516667	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516682	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516736	1	0.009492	0.03216	0.072559	0.079597	0.051519	0.54645	0.272309	0.208529	0.098145	0.094678	0.049065	0.244022	4.973401
LOC516742	1	0	0	0.089654	0	0	0.107417	0	0.106094	0	0	0.017931	0.042702	2.381502

LOC516790	1	0	0.02137	0	0.022668	0	0	0	0	0	0	0.008807	0	0
LOC516849	1	0	0.018586	0	0.006571	0	0.301448	0.868461	0.226847	0.12762	0.118552	0.005031	0.328586	65.30654
LOC516870	1	0	0	0.01462	0.00401	0	0	0	0	0	0	0.003726	0	0
LOC516904	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC516940	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517016	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517056	1	0	0	0	0	0	0	0	0	0	0.373574	0	0.074715	#DIV/0!
LOC517093	1	0	0	0	0	0	0.752193	0.101807	0.123822	0.247679	0.199108	0	0.284922	#DIV/0!
LOC517108	1	0.039938	0.090205	0.021806	0	0	0	0	0	0	0	0.03039	0	0
LOC517144	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517252	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517325	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517392	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517475	1	0.023854	0.008979	0	0	0	0	0	0	0	0	0.006567	0	0
LOC517569	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517667	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517722	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517799	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517828	1	0.011192	0	0.048888	0.013407	0	0	0	0	0.086791	0	0.014697	0.017358	1.181035
LOC517884	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC517901	0.006907	0.024647	0	0.053828	0.014762	0	0.51594	0.733226	1.082871	1.019321	2.458275	0.018647	1.161927	62.3106
LOC517959	1	0	0	0.007805	0.00214	0	0	0	0	0.009237	0.020792	0.001989	0.006006	3.019499
LOC517971	1	0	0	0	0	0	0	0	0	0	0.040493	0	0.008099	#DIV/0!
LOC518027	1	0.292035	0.534499	0.131957	0.168882	0.273271	0	0.171189	0.026026	0.208237	0.18414	0.280129	0.117918	0.420943
LOC518080	1	1.102537	2.694876	2.770731	4.776309	1.127094	4.564572	4.33264	1.649164	1.620125	1.631931	2.494309	2.759686	1.106393
LOC518106	1	0.067015	0.05676	0.073179	0.200691	0.090928	0	0.142403	0.043299	0	0	0.097715	0.03714	0.38009
LOC518124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518129	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518134	1	0.024171	0.156955	0.118774	0.15201	0.032796	0	0	0	0	0	0.096941	0	0
LOC518139	1	1.427195	0.470685	0.827506	0.54466	0.27419	0.132194	0.322059	0.554908	0.391757	0.293935	0.708847	0.33897	0.478199
LOC518218	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518224	1	0.19063	0.310003	0.166531	0.127879	0.103461	0.239431	0.194438	0.059121	0.197098	0.126756	0.179701	0.163369	0.909115
LOC518318	1	0	0	0	0	0	0	0	0	0.138305	0.088946	0	0.04545	#DIV/0!
LOC518422	1	0	0	0.018393	0	0	0.088149	0	0	0	0.084	0.003679	0.03443	9.359443
LOC518437	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518442	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518464	1	0	0	0	0	0	0	0	0	0.408372	1.674263	0	0.416527	#DIV/0!
LOC518468	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518474	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518495	4.82E-09	2.679171	1.964834	2.028107	2.614799	3.113812	0	0.011341	0	0	0.017744	2.480144	0.005817	0.002345
LOC518526	0.817863	0.039307	0	0	0	0	1.110814	0.116936	0.121904	0.812812	0.052273	0.007861	0.442948	56.34465
LOC518557	0.844014	0.392358	0.147697	0	0	0	79.122	43.07664	25.01268	0	0	0.108011	29.44226	272.5854
LOC518561	1	0.03487	0	0	0	0	0	0	0	0	0	0.006974	0	0
LOC518623	1	0.011459	0	0.025025	0.006863	0	0	0	0	0.029619	0	0.008669	0.005924	0.683289
LOC518768	1	3.541165	3.252224	6.979599	7.855589	3.606899	3.699596	6.181825	6.55033	4.294543	5.025541	5.047095	5.150367	1.020462
LOC518775	1	4.400092	4.678178	0	0	0.116492	7.86292	13.18118	14.47823	0	0	1.838952	7.104466	3.863322

LOC518816	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518869	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518885	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC518961	1	0	0.047342	0.061037	0.016739	0	0.14626	0	0.180573	0.14448	0	0.025024	0.094263	3.766937
LOC518980	1	0.41416	0.44385	0.359958	0.369558	0.848654	0.309633	0.350231	0.0983	0	0.021076	0.487236	0.155848	0.319861
LOC519071	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC519073	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC519093	1	0	0	0	0	0	0	0	0	0.060872	0.019574	0	0.016089	#DIV/0!
LOC519104	1	0	0	0	0	0	0	0	0	0.165683	0	0	0.033137	#DIV/0!
LOC519127	0.019715	0	0	0	0	0	1.154714	0.965304	1.61011	2.415517	0.086303	0	1.24639	#DIV/0!
LOC519132	1	0.00999	0	0	0	0	0.2614	0	0.077454	0	0	0.001998	0.067771	33.91997
LOC519145	1	0.339373	0.260614	0.726353	0.658582	0.773594	0.142084	0.331729	0.29821	1.017572	0.045132	0.551703	0.366945	0.665114
LOC519161	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC519176	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC519202	1	0.155896	0.797422	0.240332	0.252657	0.273739	0	0.038973	0	0.047407	0.030488	0.344009	0.023374	0.067945
LOC519208	1	0.008014	0.00905	0	0.0192	0.021747	0	0	0	0	0	0.011602	0	0
LOC519242	1	0.015269	0	0	0.018291	0	0	0	0	0	0	0.006712	0	0
LOC519274	0.569999	0.047188	0.10658	0	0	2.04885	15.06401	3.71008	8.049034	55.13171	58.36117	0.440523	28.0632	63.70421
LOC519282	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC519294	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC519309	1	1.344882	0.607513	1.071203	0.985569	0.472297	0.33121	0.739668	0.85872	0.408974	0.131508	0.896293	0.494016	0.551177
LOC519317	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC519492	1	0	0	0.072149	0	0	0	0	0	0	0	0.01443	0	0
LOC519616	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC519737	2.30E-05	0	0	0	0.022633	0	4.943989	1.244629	1.269609	6.739673	0.690988	0.004527	2.977777	657.831
LOC519862	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC519902	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC519916	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC520023	1	0	0	0.059316	0	0	0	0	0	0	0	0.011863	0	0
LOC520034	1	0	0.031352	0	0.033256	0	0	0.029496	0	0	0	0.012921	0.005899	0.456546
LOC520104	1	0.248627	0.280776	0.114863	0.097367	0.207597	0.650573	1.564638	1.692903	1.433615	2.622869	0.189846	1.592919	8.390587
LOC520130	1	0.032776	0	0	0	0	0	0	0	0	0	0.006555	0	0
LOC520162	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC520180	1	0	0.021753	0	0	0	0	0	0	0	0	0.004351	0	0
LOC520181	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC520216	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC520237	1	0	0	0	0	0	0	0.029518	0.035901	0	0.011546	0	0.015393	#DIV/0!
LOC520334	1	0.032719	0.009238	0.035729	0.019597	0	0	0	0	0	0	0.019457	0	0
LOC520336	1	0.756876	0.727995	1.037045	1.196235	1.647815	1.671744	1.85905	1.777599	2.46966	0.382716	1.073193	1.632154	1.520838
LOC520399	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC520402	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC520584	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC520626	1	0.025492	0	0.027836	0	0	0	0	0	0	0	0.010666	0	0
LOC520638	1	0.083843	0.094685	0.030518	0	0	0.585039	1.158057	0.830637	1.950476	1.533129	0.041809	1.211468	28.97607
LOC520778	1	0	0.087102	0	0	0	0	0	0	0	0	0.01742	0	0

LOC520835	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC520938	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC521010	1	0.002963	0.001673	0	0	0	0	0.003149	0	0.06894	0.014779	0.000927	0.017373	18.73441
LOC521021	1	0	0	0	0.054309	0	0	0.024085	0	0	0	0.010862	0.004817	0.443476
LOC521081	1	0.008826	0.009967	0.03855	0.021144	0	0	0	0	0	0	0.015697	0	0
LOC521092	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC521159	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC521167	1	0	0	0.408417	0.016001	0	0	0	0	0	0	0.084884	0	0
LOC521214	1	0	0.016544	0	0	0	0.038333	0	0.094653	0.037867	0	0.003309	0.034171	10.32722
LOC521224	1	1.824127	1.006815	12.80971	6.056479	2.880915	4.542911	1.844612	40.04925	20.95235	51.59797	4.91561	23.79742	4.841194
LOC521249	0.370099	0.041428	0	0.030159	0.016542	0	1.517659	0.586889	0.606726	0.21417	0.459119	0.017626	0.676913	38.4042
LOC521252	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC521256	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC521301	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC521350	1	0	0	0	0	0	0.199973	0	0	0	0	0	0.039995	#DIV/0!
LOC521580	1	0.031085	0.038296	0.006172	0.074473	0.31441	0	0.030024	0.007303	0.073044	0.004698	0.092887	0.023014	0.247762
LOC521645	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC521656	1	0.901002	2.136764	4.700742	10.06152	8.666246	2.200444	5.445926	1.423026	0.879817	1.164929	5.293254	2.222828	0.419936
LOC521676	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC521749	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC521901	9.71E-19	0.12169	0	0.265767	0.048591	0	99.56019	30.25455	26.73266	44.87546	121.374	0.08721	64.55937	740.2781
LOC521902	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC521950	1	0.184501	0.208358	0.055578	0.259118	0.310763	0.166474	0.540765	1.200299	0.065779	0.444188	0.203663	0.483501	2.374021
LOC521981	1	0.002103	0	0	0	0	0	0	0	0	0	0.000421	0	0
LOC522054	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC522128	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC522140	0.039796	0.099792	0.078887	1.852508	0.05977	0	17.23408	20.27229	10.13575	13.67107	10.18551	0.418191	14.29974	34.19424
LOC522146	1	0	0	0.072382	0	0	0	0	0	0	0	0.014476	0	0
LOC522174	1	0.440539	0.222567	1.012758	0.145817	0.17303	0.060671	0.098539	0.074905	0.059932	0.038543	0.398942	0.066518	0.166736
LOC522180	0.166071	0	0.034209	0	0.036286	0	0	4.441421	2.58348	1.565974	1.460294	0.014099	2.010234	142.58
LOC522315	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC522322	1	0.017012	0.015609	0.017416	0.00796	0.000721	0	0	0.000687	0.002748	0.002651	0.011744	0.001217	0.103655
LOC522334	1	0	0.116471	0.045049	0.024709	0	0	0	0	0	0	0.037246	0	0
LOC522385	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC522428	0.014082	0.021712	0	0.758691	0.416139	0	30.67902	6.274619	10.82989	8.867212	10.2142	0.239308	13.37299	55.88186
LOC522479	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC522540	1.43E-05	0.526751	0.433638	0.849363	0.931744	0.253824	0	0	0	0	0.008184	0.599064	0.001637	0.002732
LOC522554	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC522560	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC522582	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC522609	1	0	0	0	0	0	0	0	0	0.819328	0.724517	0	0.308769	#DIV/0!
LOC522610	8.88E-36	0.554375	0.102214	0.148253	0.203291	0.030702	208.1779	82.46138	177.0472	249.0426	234.0942	0.207767	190.1647	915.2786
LOC522763	0.257214	0.031203	0.043069	0.037859	0.141206	0.254026	0	0	0	0	0	0.101473	0	0
LOC522769	0.287922	0	0	0	0	0	0.040364	0.081947	0.039867	0.159491	0.121803	0	0.088695	#DIV/0!
LOC522775	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC522784	1	0.008429	0	0	0	0	0.176457	0	0	0	0	0.001686	0.035291	20.93331

LOC522844	1	0	0.027515	0	0	0	0.361269	0.07766	0.031484	0.104963	0.020251	0.005503	0.119125	21.64746
LOC522955	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC522984	1	0.420974	0.061343	0.207604	0.065069	0	0.213203	0.057713	0.350963	21.83304	1.264154	0.150998	4.743815	31.4164
LOC523057	1	0	0	0	0.048072	0	0.105007	0.127912	0.259285	0.518645	1.134063	0.009614	0.428982	44.61912
LOC523060	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523062	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523083	1	0	0	0	0	0	0	0.166285	0	0	0	0	0.033257	#DIV/0!
LOC523090	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523130	1	0.02447	0	0	0	0	0.192091	0.077997	0.158105	0.379506	0.264405	0.004894	0.214421	43.81261
LOC523139	1	0	0	0.158672	0	0.098579	0	0	0	0	0	0.05145	0	0
LOC523244	1	0.01075	0	0.093913	0.051511	0	0	0	0	0	0	0.031235	0	0
LOC523258	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523292	1	0.020597	0.047532	0.078231	0.084746	0.038882	0	0	0.009258	0.009259	0.007443	0.053998	0.005192	0.096152
LOC523373	1	0.23528	0.39074	0	0	0.300458	0	0	0	0.071548	0	0.185296	0.01431	0.077226
LOC523389	1	0	0	0.0472	0	0	0	0	0	0	0	0.00944	0	0
LOC523431	1	0.169197	0.083595	0.09238	0.025335	0	0	0	0	0	0	0.074102	0	0
LOC523458	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523461	1	1.724285	1.917017	2.065572	1.676724	1.489094	0.519479	0.948	1.363414	0.899465	0.830608	1.774538	0.912193	0.514045
LOC523484	1	2.738594	3.501472	0.343049	0.908081	1.278762	0	0	0.0353	0.105917	1.157981	1.753991	0.25984	0.148142
LOC523503	1	0.017379	0	0.025303	0	0	0	0	0	0	0	0.008536	0	0
LOC523509	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523547	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523582	1	0.016664	0.00941	0	0	0	0	0	0	0	0	0.005215	0	0
LOC523590	1	0	0.0287	0	0	0	0.132999	0.108007	0.197042	0.262761	0	0.00574	0.140162	24.41839
LOC523631	1	0	0.148838	0	0	0	0	0	0	0	0	0.029768	0	0
LOC523634	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523680	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523702	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523753	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523762	1	0	0	0.027827	0	0	0	0	0	0	0	0.005565	0	0
LOC523768	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523769	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC523963	5.32E-05	0	0	0.127608	0.029997	0	3.188851	2.022027	2.437692	2.459622	7.284687	0.031521	3.478576	110.358
LOC523992	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC524050	1	0	0	0	0	0	0	0.050199	0	0	0.157082	0	0.041456	#DIV/0!
LOC524080	1	0	0	0	0	0	0.104172	0.084597	0.025722	0	0	0	0.042898	#DIV/0!
LOC524160	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC524173	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC524176	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC524181	1	0.393125	0.597864	0.022895	0.069069	0.34138	0.137157	0.167074	0.081281	0.135488	0.02614	0.284866	0.109428	0.384137
LOC524202	1	0	0	0.004398	0	0.005465	0	0	0	0	0	0.001973	0	0
LOC524236	1	0	0	0.211426	0.260925	0.131353	1.013263	0	0.250196	0.250233	1.126498	0.120741	0.528038	4.373316
LOC524269	1	0.394925	0	0.095833	0.052564	0	0.459283	0.093244	0.34022	2.949006	0.145888	0.108665	0.797528	7.339361
LOC524282	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC524304	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC524356	1	0.050016	0	0	0	0	0	0	0	0.129281	0	0.010003	0.025856	2.584819

LOC524391	1	0.007129	0.040253	0	0	0	0	0	0	0	0	0.009476	0	0
LOC524507	1	0.304761	0.301147	0	0	3.101327	3.38919	0.24285	0.295364	0	0	0.741447	0.785481	1.059389
LOC524576	1	0.27232	0.145948	0.131044	0.099522	0.075151	0	0	0	0.023861	0.030691	0.144797	0.01091	0.075349
LOC524642	1	0	0.036505	0	0	0	0	0	0	0	0.026868	0.007301	0.005374	0.735998
LOC524650	1	0.38383	0.554427	0.233936	0.417016	0.993142	0.233571	0.208647	0.392181	0.461456	0.727084	0.51647	0.404588	0.783371
LOC524658	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC524702	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC524703	0.010909	0.26926	0.076019	0	0.080636	0	28.53479	7.867252	8.524616	0.695988	5.035498	0.085183	10.13163	118.9395
LOC524768	1	0.038783	0.109496	0.063526	0.139375	0.157868	2.537081	1.030161	0.726694	0.100248	0.016118	0.10181	0.88206	8.663803
LOC524771	1	0.020447	0	0	0.048987	0	0	0.021725	0	0	0	0.013887	0.004345	0.31288
LOC524810	1	0.047627	0.035857	0.520077	0.323295	0	0	0	0	0	0.105562	0.185371	0.021112	0.113893
LOC524817	1	0	0	0	0	0	0.052785	0.150032	0.104271	0.104286	0.301805	0	0.142636	#DIV/0!
LOC524903	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC524985	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525033	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525099	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525239	1	0.037675	0	0.04114	0	0	0	0	0	0.194765	0.031314	0.015763	0.045216	2.86848
LOC525286	1	0.056941	0.042869	0.020726	0	0.077259	0	0.040332	0.098106	0	0.078878	0.039559	0.043463	1.098701
LOC525367	1	0	0.048757	0.188583	0.206874	0	0.451892	0.275231	0.111582	3.794336	0.287081	0.088843	0.984024	11.07603
LOC525400	1	0	0	0.024889	0.013651	0	0	0	0	0	0	0.007708	0	0
LOC525415	1	0.02282	0	0	0	0	0	0	0	0	0	0.004564	0	0
LOC525426	1	0.45506	0.391959	0.404271	0.674463	1.423256	0.403641	0.229453	0.259136	0.398728	0.205142	0.669802	0.29922	0.446729
LOC525433	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525484	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525550	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525599	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525649	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525818	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525820	1	0.014684	0	0	0	0	0	0	0	0	0	0.002937	0	0
LOC525831	1	0.024422	0.055161	0	0	0	1.66154	0.207586	0.252474	0.757532	0	0.015917	0.575826	36.17757
LOC525863	1	0	0	0	0	0	0	0	0	0.258908	0	0	0.051782	#DIV/0!
LOC525947	1	0.480069	0.89536	0.76251	1.855913	0.967193	8.069999	5.842519	2.199442	10.49117	1.93463	0.992209	5.707553	5.752369
LOC525951	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC525964	1	0	0	0	0	0	0	0.941035	0	0	0	0	0.188207	#DIV/0!
LOC526013	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526047	1	0	0	0.247089	0.033882	0	0	0	0	0	0	0.056194	0	0
LOC526064	1	0	0	0	0.052078	0	0.227515	0	0	0	0	0.010416	0.045503	4.368774
LOC526067	1	0	0	0.036589	0	0	0	0	0	0	0	0.007318	0	0
LOC526089	1	0	0.011372	0	0	0	0	0	0	0	0	0.002274	0	0
LOC526148	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526149	1	0	0	0	0	0	0	0.04089	0	0	0	0	0.008178	#DIV/0!
LOC526163	1	0	0	0.017365	0	0	0	0	0	0.041105	0	0.003473	0.008221	2.367093
LOC526177	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526226	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC526230	1	0.130897	0	0	0.02727	0	0	0	0	0	0	0.031633	0	0
LOC526276	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526286	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526294	1	0	0	0	0.062148	0	0	0	0	0	0	0.01243	0	0
LOC526311	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526335	1	0	0.041425	0	0	0	0	0	0	0	0	0.008285	0	0
LOC526380	1	0.017187	0.002426	0	0.002573	0	0	0	0	0	0	0.004437	0	0
LOC526411	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526412	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526488	1	0	0.041874	0.04049	0	0	0	0	0	0	0	0.016473	0	0
LOC526508	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526524	1	0.031146	0.070346	0	0	0	0.162996	0	0	0	0	0.020298	0.032599	1.605999
LOC526555	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526621	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526630	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526700	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526713	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526715	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526745	0.000117	0.105957	0.093067	0.179982	0.197439	0.367403	0.554508	1.300886	1.566973	2.11496	1.208488	0.18877	1.349163	7.147136
LOC526757	1	0	0	0	0.009565	0	0	0	0	0	0.013274	0.001913	0.002655	1.387714
LOC526765	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526769	1	0.414475	0.607026	0.297018	0.845596	1.441083	0.237243	0.288992	0.117161	0.100438	0.139952	0.721039	0.176757	0.245142
LOC526787	0.112709	0	0.043731	0	0	0	0.202653	0.45257	1.576238	0.600559	1.528819	0.008746	0.872168	99.72043
LOC526789	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526838	0.449972	0	0	0.029572	0	0	0.354313	0.489144	0.314955	0.140001	0.630254	0.005914	0.385734	65.21884
LOC526877	1	0.028073	0	0	0	0	0	0.119308	0.362766	0.870766	0.326668	0.005615	0.335901	59.82628
LOC526915	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526966	1	0.022187	0	0.096909	0.026577	0	0	0	0	0	0	0.029135	0	0
LOC526979	0.267694	0	0	0	0	0	0	0	0	0.103674	0	0	0.020735	#DIV/0!
LOC526988	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC526989	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527062	1	0	0	0	0	0	0	0	0	0	0.06027	0	0.012054	#DIV/0!
LOC527068	1	0	0	0	0	0.067148	0	0	0	0	0	0.01343	0	0
LOC527077	1	0	0	0	0	0	0	0	0.102078	0	0.164143	0	0.053244	#DIV/0!
LOC527083	1	0.013835	0.007812	0	0	0	0	0	0	0	0	0.004329	0	0
LOC527125	1	0	0.08796	0	0	0	0	0.020689	0	1.207967	0.291323	0.017592	0.303996	17.28034
LOC527128	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527137	0.878741	0.166497	0	0.072725	0.039889	0	0.697067	0.141519	0.516363	5.164381	18.98669	0.055822	5.101203	91.38305
LOC527186	1	0.808948	1.295332	1.516207	1.026887	0.425938	1.263729	0.461814	1.279372	3.089664	1.364813	1.014663	1.491878	1.47032
LOC527195	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527216	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527217	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527335	1	0.276816	0.224438	0.449541	0.459133	0.192612	0	0.090495	0.110064	0.22016	0.271376	0.320508	0.138419	0.431874
LOC527384	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527385	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527388	1	0	0	0	0	0.045222	0	0.070822	0	0	0.13851	0.009044	0.041866	4.628994

LOC527409	1	0	0.098191	0	0	0	0	0	0	0	0	0.019638	0	0
LOC527414	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527415	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527430	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527450	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527529	1	0.002091	0.001771	0.001427	0.000939	0	0.002052	0.002778	0.003378	0.002703	0.001956	0.001246	0.002573	2.065377
LOC527645	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527744	0.70877	0.10671	0	0.019421	0.106522	0.024131	1.675338	0.642465	0.321749	3.171986	0.635636	0.051357	1.289435	25.1074
LOC527779	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527795	1	0	0	0	0	0	0	0	0	0	0.04551	0	0.009102	#DIV/0!
LOC527796	1	6.004253	5.436429	7.747458	8.21092	8.496841	17.21471	8.024048	51.1749	22.55237	23.61732	7.17918	24.51667	3.414968
LOC527810	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527826	1	0	0	0	0	0	0	0	0.035637	0	0	0	0.007127	#DIV/0!
LOC527918	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC527955	5.19E-06	0.137441	0.02739	0.05297	0.009685	0	2.157818	2.559774	3.092398	3.42721	4.112504	0.045497	3.069941	67.4753
LOC527981	1	5.207929	3.060798	0.929241	2.558619	4.595406	4.943272	11.44632	0.065978	0	2.744312	3.270399	3.839977	1.174162
LOC528006	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528040	1	0	0	0	0	0	0	0	0	0.405599	0	0	0.08112	#DIV/0!
LOC528043	0.222063	0.004398	0.004139	0.001601	0.002634	0.000663	0.019182	0.027	0.044837	0.055581	0.032089	0.002687	0.035738	13.29936
LOC528106	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528132	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528168	1	0	0.068992	0	0	0	0	0.032455	0	0	0.186186	0.013798	0.043728	3.16907
LOC528224	1	0	0	0	0	0	0	0	0	0.202272	0	0	0.040454	#DIV/0!
LOC528262	1	0.023945	0	0	0	0	0	0.033921	0.041256	0.206312	0.092877	0.004789	0.074873	15.63444
LOC528282	1	0	0.039313	0	0	0	0	0	0	0	0	0.007863	0	0
LOC528329	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528332	1	0	0	0	0	0	0.061647	0	0	0.040598	0.013055	0	0.02306	#DIV/0!
LOC528342	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528343	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528363	1	0	0	0	0	0	0	0	0.027253	0	0	0	0.005451	#DIV/0!
LOC528373	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528422	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528470	1	0.130122	0	0	0	0	0	0	0	3.13918	14.34826	0.026024	3.497489	134.3931
LOC528502	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528515	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528518	1	0.023403	0.013215	0	0.007009	0	0	0	0	0	0	0.008725	0	0
LOC528568	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528577	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528613	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528629	1	0	0	0	0	0	0.13336	0	0	0	0.084722	0	0.043616	#DIV/0!
LOC528722	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528748	1	0.05761	0.03253	0	0.017253	0.117251	0	0	0	0	0	0.044929	0	0
LOC528767	1	0.003715	0.00839	0.081125	0.080094	0	0	0	0	0.019203	0	0.034665	0.003841	0.110793
LOC528802	1	2.819467	2.392826	2.986068	2.80265	1.866686	3.933238	6.153639	11.42396	11.04148	7.277394	2.57354	7.965942	3.095325
LOC528807	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528815	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC528816	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528914	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC528976	1	0.030341	0	0	0	0	0	0	0	0	0	0.006068	0	0
LOC529036	1	0	0	0	0.035125	0	0	0.155771	0.189454	0.151585	0.14623	0.007025	0.128608	18.30723
LOC529047	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529125	8.86E-23	0.064556	0.048602	0.041774	0.020049	0	4.254285	13.33668	8.002147	10.69168	5.254355	0.034996	8.30783	237.3936
LOC529196	1	0.176371	0.144856	0.291809	0.160056	0.159538	0.02797	0	0	0	0	0.186526	0.005594	0.02999
LOC529277	1	0	0.110609	0	0	0	0	0	0	0	0	0.022122	0	0
LOC529284	1	0.018577	0.003496	0.446275	0.437637	0	0	0	0	0.032011	0	0.181197	0.006402	0.035333
LOC529303	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529308	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529399	1	0.002303	0	0	0.005517	0.012498	0	0	0	0	0	0.004063	0	0
LOC529425	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529445	1	0	0.001443	0.001861	0.006124	0	0.008918	0.000905	0.001101	0.017619	0.006374	0.001886	0.006983	3.703512
LOC529488	1	0.060812	0	0	0.048564	0	0	0	0.052389	0	0.067394	0.021875	0.023956	1.095134
LOC529492	1	0	0.012498	0	0	0	0.057918	0.493858	0.057205	0.228852	0.073589	0.0025	0.182284	72.92448
LOC529511	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529516	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529518	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529554	1	0.003782	0.005695	0.001836	0.002014	0	0.004399	0	0.007603	0.149915	0.120166	0.002665	0.056417	21.16555
LOC529626	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529629	1	0	0	0.033675	0	0	0.080695	0.327655	0.318805	0	0.102529	0.006735	0.165937	24.63767
LOC529657	1	0.012344	0.01394	0.053916	0.044359	0.083742	0	0.052459	0.079754	0.191437	0	0.04166	0.06473	1.553765
LOC529686	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529792	1	0.02394	0	0	0	0	0.062643	0	0	0	0	0.004788	0.012529	2.616664
LOC529823	1	0.012921	0.087552	0.070548	0.193477	0	0	0	0	0	0.268491	0.0729	0.053698	0.736604
LOC529925	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529930	0.884574	0.068984	0	0	0	0	1.534316	2.931748	2.80799	2.050577	9.087941	0.013797	3.682515	266.911
LOC529950	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC529957	8.53E-13	0.016204	0	0	0.019411	0	13.99247	5.440493	4.774241	6.28281	7.784819	0.007123	7.654967	1074.667
LOC529969	1	0	0	0	0.032963	0	0	0	0	0	0	0.006593	0	0
LOC529992	1	0.002709	0.006119	0	0	0	0	0	0.007002	0.049021	0.011259	0.001766	0.013457	7.62104
LOC530017	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530029	1	0.012736	0.011237	0.004926	0.007469	0.00396	0.018052	0.013814	0.021601	0.106305	0.06991	0.008066	0.045936	5.69538
LOC530068	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530077	1	0.064495	0	0	0.030903	0.175018	0.742549	0.548193	0.266693	0.600146	0.150097	0.054083	0.461536	8.53382
LOC530102	1	0.036762	0.122103	0.004723	0.031085	0.041077	0	0.00919	3.448246	0.011179	0.035947	0.04715	0.700913	14.86561
LOC530175	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530211	1	0.059377	0	0	0	0	6.649798	6.548363	4.220039	0	0	0.011875	3.48364	293.3503
LOC530231	1	0	0	0	0.042488	0	0	0	0	0	0	0.008498	0	0
LOC530245	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530285	1	0	0	0	0	0	0	0	0	0.131026	0.084265	0	0.043058	#DIV/0!
LOC530292	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530319	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530348	1	0.533772	0.430885	0.461978	0.490209	0.177037	0.082768	0.457897	0.189043	0.889143	0.292483	0.418776	0.382267	0.912819
LOC530354	1	0	0.022611	0	0	0	0	0	0	0	0	0.004522	0	0

LOC530356	1	0.002392	0.003241	0.005224	0.006304	0	0	0	0	0.002473	0	0.003432	0.000495	0.144112
LOC530472	1	0	0	0	0.008104	0	0	0	0	0	0	0.001621	0	0
LOC530485	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530524	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530538	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530553	1	0	0	0	0	0	0	0	0	0.04704	0	0	0.009408	#DIV/0!
LOC530556	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530571	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530599	1	0.120611	0.214039	2.380098	1.873072	0.035068	0.090171	0.02746	0.144724	0.28949	0.143211	0.924578	0.139011	0.150351
LOC530653	1	0.723148	0.538519	0.423443	0.47079	0.511927	2.221319	1.325084	0.27086	0.623069	0.209063	0.533565	0.929879	1.742765
LOC530668	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530689	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530756	1	0.015638	0.035319	0	0	0	0.081837	0.066459	0.121244	0	0	0.010191	0.053908	5.28954
LOC530773	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530825	1	0.03719	0	0	0	0	0.778507	2.054691	2.450935	0	0.185466	0.007438	1.09392	147.0723
LOC530850	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530875	3.70E-05	0.162022	0.252309	0.405995	0.968381	0.148101	0	0.007248	0	0.008817	0	0.387362	0.003213	0.008295
LOC530929	1	1.681583	2.17031	6.71545	5.818617	4.967438	2.841232	11.81224	3.290509	0.993506	1.717145	4.27068	4.130926	0.967276
LOC530932	1	0.082735	0.093433	0.18069	0.148662	1.234838	0.43298	0.175808	0	0.213855	0.343834	0.348072	0.233295	0.670251
LOC530965	1	0.280312	0.031656	0	0	0	0.880178	0.178694	0.217335	0	0	0.062393	0.255241	4.090834
LOC530973	1	3.612749	3.182168	2.962482	2.467755	3.993126	2.478406	1.610138	4.458653	5.211262	2.659781	3.243656	3.283648	1.012329
LOC530990	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC530994	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531024	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531026	1	0	0	0	0	0	0	0	0	0	0.072436	0	0.014487	#DIV/0!
LOC531038	1	3.84875	2.984045	4.266438	4.658419	3.056128	2.174396	1.843238	2.16646	1.469639	20.02981	3.762756	5.536709	1.47145
LOC531039	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531090	1	0.068022	0.007682	0.044567	0.024445	0.055377	0	0.072272	0.07032	0.07033	0.022615	0.040019	0.047107	1.177135
LOC531097	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531135	1	0.006851	0	0	0	0	0	0	0	0	0	0.00137	0	0
LOC531152	0.005362	0.105058	0.063276	0.206498	0.155213	0.104534	0	0	0.009051	0	0	0.126916	0.00181	0.014262
LOC531164	1	0	0	0.046984	0.038655	0	0	0	0	0	0	0.017128	0	0
LOC531169	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531174	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531175	1	0.044663	0.075658	0.073157	0.066877	0	0	0	0	0	0	0.052071	0	0
LOC531196	1	0	0	0	0	0	0.119135	0	0	0	0	0	0.023827	#DIV/0!
LOC531225	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531237	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531264	1	0	0	0	0	0	0	0	0	0.130235	0	0	0.026047	#DIV/0!
LOC531296	1	0	0	0.043712	0.03996	0	0	0.028354	0.017243	0.103471	0.232903	0.016734	0.076394	4.565079
LOC531304	1	0	0	0	0	0	0	0	0	0	0.065042	0	0.013008	#DIV/0!
LOC531462	8.00E-06	0.81656	0.447899	0.305715	0.482089	0.126621	7.63094	12.22041	6.798351	7.206396	4.857536	0.435777	7.742726	17.76763
LOC531521	1	0.011793	0	0.025756	0	0	0	0	0	0	0	0.00751	0	0
LOC531557	4.30E-05	0.255143	0.189088	0.121892	0.114613	0.367823	0	0	0	0.020609	0	0.209712	0.004122	0.019655
LOC531571	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531631	1	0.046487	0.052498	0	0	0	0	0	0	0.240323	0	0.019797	0.048065	2.427851

LOC531650	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531679	1	0	0	0.068705	0.113053	0	0.164634	0	0	2.276826	0.52295	0.036351	0.592882	16.3097
LOC531692	1	0	0.254309	0	0	0	0	0	0	0	0	0.050862	0	0
LOC531747	0.038503	0.888724	1.318372	1.291705	0.990409	0.941153	3.824504	3.553265	12.98085	10.29334	3.567275	1.086073	6.843845	6.301461
LOC531779	1	0	0	0.042994	0	0	0	0	0	0	0	0.008599	0	0
LOC531816	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC531899	1	0.006987	0	0	0	0	0.036565	0.029694	0.162516	0	0.058073	0.001397	0.05737	41.05488
LOC532022	1	0	0	0	0	0	0	0.020105	0.024452	0	0	0	0.008911	#DIV/0!
LOC532035	1	0.064099	0.018097	0	0	0	0	0	0	0.082842	0	0.016439	0.016568	1.007863
LOC532036	1	0	0	0	0	0	0	0	0	0.031595	0.020319	0	0.010383	#DIV/0!
LOC532048	1	0	0	0	0.009782	0	0	0	0	0	0	0.001956	0	0
LOC532075	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532089	1	0.010257	0.009009	0.007467	0.004095	0	0.035784	0.031481	0.064796	0.164959	0.414879	0.006165	0.14238	23.09304
LOC532100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532114	1	0	0	0	0.012076	0	0	0	0	0	0	0.002415	0	0
LOC532174	1	0	0.024295	0	0	0	0	0	0	0.055607	0	0.004859	0.011121	2.288857
LOC532207	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532208	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532238	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532291	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532311	1	0.001006	0	0.006591	0.001205	0	0	0	0	0	0	0.00176	0	0
LOC532367	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532368	0.015545	0.965626	1.617351	0.047391	0.142965	0.765508	0	0	0	0	0	0.707768	0	0
LOC532403	1	0	0	0	0	0	0	0.041702	0	0	0	0	0.00834	#DIV/0!
LOC532436	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532441	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532479	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532486	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532501	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532517	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC532875	0.53869	4.905758	4.465314	5.873204	6.041586	3.636119	0.589817	0.246143	0.404552	0.598824	1.863109	4.984396	0.740489	0.148561
LOC533073	1	0.047397	0.056201	0.056932	0.079486	0.13505	0	0	0	0.171516	0.165457	0.075013	0.067395	0.898436
LOC533093	2.02E-10	0.064465	0	0.04693	0.051482	0.116625	5.960165	5.753388	11.44033	8.44264	15.39572	0.0559	9.398449	168.1286
LOC533234	1	0.014599	0.01845	0.009869	0.014574	0.011319	0.072764	0.126307	0.093429	0.102427	0.080896	0.013762	0.095165	6.914948
LOC533307	0.000713	2.874539	1.126244	3.203	5.792529	2.251472	21.31515	20.01654	20.90106	23.39527	32.5157	3.049557	23.62874	7.748255
LOC533308	2.98E-05	0	0.202637	0.522506	0.35824	0	19.7199	4.829682	4.32824	13.45042	30.47439	0.216677	14.56053	67.19932
LOC533361	1	0	0.141632	0	0	0	0	0	0	0.486262	1.615731	0.028326	0.420399	14.84125
LOC533597	1	3.669808	3.21605	0	0	2.705713	0.340303	0.085032	0.185293	0	0	1.918314	0.122126	0.063663
LOC533921	1	0.025125	0	0.109744	0.225727	0	1.183383	0.827533	0.519471	1.948301	1.87947	0.072119	1.271632	17.63236
LOC533983	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC534155	1	0	0.030583	0.059144	0.129762	0	0	0	0	1.050004	0	0.043898	0.210001	4.783842
LOC534181	0.000853	0	0	0.195784	0	0	1.407444	2.047807	3.011912	5.329542	3.110832	0.039157	2.981507	76.14285
LOC534195	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC534391	0.023322	0.075184	0.033962	0	0	0.08161	38.95262	27.92631	45.04057	0	0	0.038151	22.3839	586.7176
LOC534520	4.01E-14	0	0.017174	0	0.036433	0	10.74387	9.95287	5.148578	6.053407	7.432151	0.010721	7.866175	733.6923
LOC534578	1	3.980663	2.112624	0.937678	0.227767	0.782287	2.182718	2.619723	4.914048	8.244119	0.560779	1.608204	3.704278	2.303363

LOC534627	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC534630	0.137617	3.462778	3.294096	1.639178	2.697248	4.304957	2.053215	2.066104	1.190308	0.352735	0.226849	3.079652	1.177842	0.38246
LOC534742	1	2.609935	1.299269	1.814693	1.53131	0.534801	4.822338	3.406817	9.195537	10.05048	1.965644	1.558002	5.888162	3.779304
LOC534913	1.61E-09	4.964934	5.855573	5.241291	4.80017	10.18705	0	0	0	0	0	6.209804	0	0
LOC534967	1	0.130197	0.036758	2.221442	3.167976	0.132492	0	0	0	0	0	1.137773	0	0
LOC535121	1	21.18615	13.61864	13.00062	22.06334	31.62223	4.368289	5.157755	5.393124	3.690569	20.75862	20.29819	7.873672	0.3879
LOC535280	1	19.94552	16.19699	21.32949	31.48332	30.53429	7.102736	7.775128	9.219398	5.119999	13.30817	23.89792	8.505087	0.355892
LOC536097	1	1.854777	2.014488	6.640589	3.8973	3.217982	2.705133	10.44554	7.386805	0.838341	3.066409	3.525027	4.888446	1.386782
LOC536148	1	0.447086	0.585975	0.370611	0.277554	0.247962	0.375726	1.962482	3.947148	1.788285	0.358041	0.385838	1.686336	4.370583
LOC536229	1	0	0	0.252411	0.051917	0	0	0	0	0	0	0.060866	0	0
LOC536445	1	0.28734	0.549839	1.656008	0.784018	0.02166	0.125312	0.050882	0	0.330099	0.769556	0.659773	0.25517	0.386754
LOC536660	1	0	0.068179	0	0	0	0	0.074835	0.039007	1.300433	1.321397	0.013636	0.547134	40.12484
LOC536739	1	0	0	0	0	0	0	0	0	0	0.068315	0	0.013663	#DIV/0!
LOC536947	1	0	0.014821	0.085989	0.220101	0	0	0	0	0	0	0.064182	0	0
LOC537017	1	1.259173	0.47239	0.549997	0.572664	0.451736	2.524176	1.133762	0.540538	1.566685	0.120623	0.661192	1.177157	1.780356
LOC537848	1	0.086115	0.079568	0.085487	0.037511	0.063733	0.04097	0	0	0.020236	0	0.070483	0.012241	0.173674
LOC538034	1	0.008184	0.004621	0.015639	0.002451	0	0.005354	0	0	0	0.001701	0.006179	0.001411	0.228328
LOC538060	1	0.010575	0	0.023095	0	0	0	0	0	0.191338	0.008789	0.006734	0.040025	5.943823
LOC538435	1	0.017793	0.010047	0	0.021315	0	0.60527	0.07562	0.045986	0.459926	0.059157	0.009831	0.249192	25.34756
LOC538552	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC538589	1	0	0	0.411081	0.075159	0	0	0	0	0.108118	0	0.097248	0.021624	0.222356
LOC538620	1	0	0	0.117932	0.051748	0	0	0	0	0	0.017953	0.033936	0.003591	0.105804
LOC538679	1	0.025385	0.038224	0	0	0.022962	0	0	0	0	0.014066	0.017314	0.002813	0.162482
LOC538688	1	0	0	0	0	0	0	0	0	0	0.594668	0	0.118934	#DIV/0!
LOC538702	1	0.162869	0.252903	0.044463	0.073163	0.055247	1.065436	1.10316	0.526158	0.841976	0.439958	0.117729	0.795338	6.755673
LOC538744	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC538810	2.25E-11	0.036825	0	0.026808	0	0	10.34257	4.90378	4.568293	3.10943	5.040106	0.012727	5.592835	439.4564
LOC538839	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC538929	1	0	0	0	0	0	2.047635	1.181499	1.383762	0	0	0	0.922579	#DIV/0!
LOC538941	1	0	0	0	0	0	0	0.084462	0	0	0	0	0.016892	#DIV/0!
LOC538966	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC539005	1	1.154562	1.69501	0.504304	0.414913	0.417747	3.826729	1.063134	0.497317	5.371803	9.660314	0.837307	4.083859	4.877373
LOC539009	3.24E-10	0.027062	0.030561	0.059102	0.032417	0.550776	18.19858	26.56728	21.05183	17.48746	24.69716	0.139984	21.60046	154.3071
LOC539064	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC539069	0.003812	0.070278	0.0625	0.122787	0.162057	0.195479	0	0.0056	0.009081	0.004541	0.002921	0.12262	0.004429	0.036117
LOC539166	0.000353	2.939174	2.304699	2.532078	2.765487	2.511459	0.337084	0.072037	0.411785	0.070101	0.264864	2.610579	0.231174	0.088553
LOC539172	1	0	0	0.08626	0.047313	0	0	0	0	0	0	0.026715	0	0
LOC539185	1	0	0.022373	0	0	0	0	0	0	0	0	0.004475	0	0
LOC539243	1	0.346956	0.034071	0	0	0	0	0.096165	0	0	0	0.076205	0.019233	0.252383
LOC539271	1	0	0.119996	0	0	0	0	0.056448	0	0	0	0.023999	0.01129	0.470411
LOC539304	1	0	0.022279	0	0	0.10707	0	0	0	0.050993	0.065588	0.02587	0.023316	0.901297
LOC539382	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC539383	1.14E-10	0.335373	0.470158	0.252566	0.069266	0.12553	8.896623	9.559346	24.74727	5.261054	19.93549	0.250579	13.67996	54.59349
LOC539468	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC539546	1	0.769708	0.571212	0.240145	0.28978	0.119356	0.345269	0.327118	0.056836	8.299293	13.38004	0.39804	4.481711	11.25944
LOC539562	1	0.0226	0	0	0	0	0	0	0	0	0	0.00452	0	0

LOC539574	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC539641	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC539693	0.048876	0	0.038633	0.024904	0.245874	0.061888	1.790282	1.98694	2.387121	2.063244	1.28899	0.07426	1.903315	25.63047
LOC539705	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC539747	0.031939	0.01854	0.006979	0	0.007403	0	0.258734	0.341434	0.415265	0.159741	0.287648	0.006584	0.292564	44.43317
LOC539789	1	1.254448	0.202379	0.234828	0.300539	0	0	0.304644	0.46315	12.97009	7.149639	0.398439	4.177504	10.48468
LOC539818	1	0.008433	0	0	0	0	0	0.01792	0	0.392372	0	0.001687	0.082059	48.65169
LOC539876	1	1.288313	2.09096	1.046272	2.427342	0.316226	4.77711	8.831854	6.625679	5.923817	2.776554	1.433823	5.787003	4.036066
LOC539883	1	0	0.059829	0	0	0	0	0	0	0	0	0.011966	0	0
LOC539893	0.005209	0.052363	0	0	0.229993	0	2.466297	4.487843	2.932135	2.977678	1.973017	0.056471	2.967394	52.54702
LOC539973	1	0.383283	0.336656	0.55805	0.420872	1.7624	0	0	0	0.22016	0.070794	0.692252	0.058191	0.08406
LOC540014	1	5.048543	4.984413	3.779809	4.3637	6.685969	7.158896	12.43023	17.63779	16.64406	18.90794	4.972487	14.55578	2.927265
LOC540082	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC540096	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC540098	1	0.318629	0.020562	0	0	0	9.433217	17.39102	18.58706	0	0	0.067838	9.08226	133.8815
LOC540128	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC540285	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC540321	1	0	0	0	0	0	0	0	0	0.098769	0.03176	0	0.026106	#DIV/0!
LOC540354	1	0	0	0	0	0	0	0	0	0	0.062691	0	0.012538	#DIV/0!
LOC540403	0.024831	0.117178	0.077573	0.11472	0.096805	0.076755	0.10573	0.626789	1.639519	2.882631	64.95901	0.096606	14.04274	145.3606
LOC540405	4.29E-07	0.02837	0	0	0.033984	0	4.60254	3.195085	3.226098	2.933243	1.627029	0.012471	3.116799	249.9276
LOC540544	1	0	0	0.018772	0	0	0	0	0	0	0	0.003754	0	0
LOC540615	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC540627	1	0.016897	0.019082	0.092255	0.020241	0	0	0	0	0	0	0.029695	0	0
LOC540707	1	0.034317	0.063417	0.088574	0.059794	0.152387	1.355113	0.755741	0	0.370943	0.223001	0.079698	0.54096	6.787623
LOC541022	1	0	0	0	0	0	0	0	0	0	0.06714	0	0.013428	#DIV/0!
LOC541081	1	0.192996	0.98078	0.105374	0.173391	0.490994	4.671292	4.075427	1.465184	8.730026	2.907459	0.388707	4.369877	11.24209
LOC541276	5.03E-05	0.050082	0.037706	0.054689	0.019998	0	1.35417	1.011013	2.135677	1.294538	1.651196	0.032495	1.489319	45.83236
LOC548613	2.79E-09	0.05573	0	0.121711	0.116827	0.567119	12.24936	16.49035	13.35878	24.12854	26.49539	0.172277	18.54448	107.6431
LOC574091	1	20.66024	17.59559	10.31658	14.37467	3.445918	27.11352	16.35193	6.826185	10.83158	6.058259	13.2786	13.43629	1.011876
LOC613282	1	0.058667	0.165633	0.080079	0.166908	0.238806	0	0	0	0	0	0.142019	0	0
LOC613299	1	0.004233	0.009561	0.013868	0.007607	0.022975	0	0	0	0	0	0.011649	0	0
LOC613316	1	0.242856	2.024292	0	0	0.156912	15.79605	18.47976	16.04986	0	0	0.484812	10.06513	20.76089
LOC613319	1	0	0.09093	0	0	0.10925	0	0	0	0	0	0.040036	0	0
LOC613321	1	0.003727	0	0.00814	0	0	0	0	0	0.057803	0.278806	0.002373	0.067322	28.36528
LOC613342	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613345	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613363	1	0.047307	0	0	0	0	0	0	0	0	0	0.009461	0	0
LOC613364	1	2.253135	1.030675	2.211227	1.452003	0	21.0454	20.54511	13.89436	16.21859	1.777909	1.389408	14.69627	10.57736
LOC613370	1	0.035104	0.052858	0.051111	0	0	0.061238	0.447571	0.272176	0.544432	0.311228	0.027815	0.327329	11.76818
LOC613390	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613394	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613397	1	0	0	0	0	0	0	0	0	0	0.021726	0	0.004345	#DIV/0!
LOC613401	1	1.571756	0.41658	0.175135	0.403456	0	0.251801	0.136323	0.04145	0.580386	11.91749	0.513386	2.58549	5.036156
LOC613418	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613441	1	0	0	0	0	0	0.203703	0.289491	0.100597	0	0	0	0.118758	#DIV/0!

LOC613444	1	2.842561	3.384472	2.419748	3.383328	6.382964	1.283238	2.50875	3.990077	3.89676	2.490965	3.682615	2.833958	0.769551
LOC613460	0.651737	0.942256	0.193472	0	0	0.290565	272.8935	64.39045	117.222	0	0	0.285259	90.90121	318.6624
LOC613512	1	0.277004	0.031282	0	0	0	7.393232	8.888159	4.080638	0	0	0.061657	4.072406	66.04908
LOC613515	1	0	0	0.135705	0.083738	0	0	0	0	0.040153	0	0.043888	0.008031	0.182978
LOC613519	1	0.186091	0	0	0	0.155382	14.75796	6.722379	9.063901	0	0	0.068295	6.108848	89.44859
LOC613534	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613570	1	0	0	0	0	0	2.055872	0	0	0	0	0	0.411174	#DIV/0!
LOC613595	1	1.417155	0.274816	0	0	0.776908	53.93771	64.85119	44.50561	0	0	0.493776	32.6589	66.14116
LOC613617	1	0	0.003981	0.007698	0	0	0	0	0	0	0	0.002336	0	0
LOC613631	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613660	1	0.011143	0.008228	0.005616	0.011808	0.008141	0.058317	0.017304	0.024369	0.073117	0.131093	0.008987	0.06084	6.769395
LOC613664	1	0.161672	0.152147	0	0	0	0.141014	0	0.069639	0	0	0.062764	0.04213	0.671253
LOC613677	1	6.57627	4.070145	1.250772	1.265632	4.421266	6.666119	4.11254	1.173898	1.123022	1.181833	3.516817	2.851482	0.810813
LOC613699	1	0.005702	0.019316	0	0.00683	0	0	0	0	0	0.208513	0.00637	0.041703	6.547185
LOC613726	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613739	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613752	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613756	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613765	1	0	0	0	0	0	0	0	0	0	0.106071	0	0.021214	#DIV/0!
LOC613788	0.114625	0.033901	0	0	0	0.367979	9.40286	3.241659	3.154101	1.57728	3.719361	0.080376	4.219052	52.49147
LOC613799	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613805	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613822	1	0.489259	0.326491	0.339985	0.572761	0.060349	1.222035	0.212656	0	0.114968	0	0.357769	0.309932	0.86629
LOC613867	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613880	1	0	0	0	0	0	0	0.036479	0.044368	0	0	0	0.016169	#DIV/0!
LOC613882	0.5123	0	0.074003	0.171738	0.094197	0.248957	4.595391	6.210453	6.909823	0.406519	0.261438	0.117779	3.676725	31.2171
LOC613884	1	0.000896	0	0.001956	0.003219	0	0	0	0.004629	0.00463	0.001489	0.001214	0.00215	1.770654
LOC613909	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC613956	1.42E-17	0.06161	0.231923	0	0.024601	0.139325	20.95776	24.74366	20.06278	16.29674	19.13489	0.091492	20.23917	221.2127
LOC613962	1	0	0	0	0.023435	0	0	0.083143	0	0	0	0.004687	0.016629	3.54781
LOC613966	1	0	0.059745	0	0	0.215346	0	0	0.273454	0.136747	0.659579	0.055018	0.213956	3.888834
LOC613970	1	0.097779	0.036808	0	0	0.284996	18.63009	9.08059	13.618	0	0	0.083917	8.265736	98.49944
LOC613988	1.30E-14	0.33816	0.117503	0	0.03116	0	377.491	67.04836	26.42033	29.85327	74.67742	0.097365	115.0981	1182.134
LOC613992	1	0	0.002406	0.004653	0	0	0	0	0	0.011013	0	0.001412	0.002203	1.560284
LOC614021	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614035	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614050	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614067	1	3.663694	1.526431	0	0	0.19305	26.61926	8.616592	17.46637	0	0	1.076635	10.54044	9.790174
LOC614090	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614091	0.909186	0.175797	0.040586	0.192913	0.102181	0.096351	0.512121	0.486733	0.463291	0.978201	0.755778	0.121566	0.639225	5.258262
LOC614095	1	0	0	0	0	0	0	0	0	0.097188	0.250011	0	0.06944	#DIV/0!
LOC614114	0.066333	0.540457	0.101724	0	0	0	328.3288	145.7567	77.17211	0	0	0.128436	110.2515	858.4152
LOC614117	0.065609	0	0	0	0	0	0.175747	0.142721	0.216979	0.347216	0.167475	0	0.210028	#DIV/0!
LOC614124	0.25883	0.303734	0.14292	0.331671	0.16676	0.44646	1.457078	1.129484	1.668089	11.84188	6.690019	0.278309	4.55731	16.37499
LOC614129	8.91E-29	0.615029	0.135523	0.163805	0.2336	0.040707	65.00098	90.11271	102.9303	47.7697	86.25422	0.237733	78.41358	329.8392
LOC614138	0.433435	0.008321	0	0	0	0	1.785444	1.785889	1.26883	0	0	0.001664	0.968032	581.6685

LOC614141	1	0	0	0	0.020831	0.09438	0	0	0	0	0	0.023042	0	0
LOC614143	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614206	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614207	9.19E-05	1.012695	0.574879	0.331161	0.337333	0.514354	9.494227	4.718124	6.298199	7.334969	6.634719	0.554084	6.896048	12.44585
LOC614208	1	0.070406	0.039755	0	0	0.334354	0.829033	0.112207	0.090981	0	0	0.088903	0.206444	2.322126
LOC614209	3.02E-06	0	0	0	0.015899	0	1.875431	1.184561	0.788959	1.166457	3.331614	0.00318	1.669404	524.9932
LOC614213	0.013991	0	0	0	0	0	31.34171	18.97743	14.12018	0	0	0	12.88786	#DIV/0!
LOC614219	1	0	0.270027	0	0	4.306082	62.22537	21.29373	25.78587	0	0	0.915222	21.86099	23.88601
LOC614226	9.99E-15	0.02993	0.0507	0.457557	0.125484	0	21.1453	21.52829	38.32771	31.09986	17.58773	0.132734	25.93778	195.4116
LOC614244	1	0	0	0.22052	0.967634	0	0	0	0	0	0	0.237631	0	0
LOC614269	4.69E-05	0.175922	0.308744	0.166144	0.139541	0.180636	1.766669	1.091167	1.363983	2.826681	26.77024	0.194197	6.763748	34.82924
LOC614284	0.202964	0	0	0	0.002332	0	0.061136	0.057922	0.02516	0.070457	0.01942	0.000466	0.046819	100.3703
LOC614287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614318	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614366	0.041525	0.107936	0.073136	0	0	0.058581	62.58704	22.43129	30.62923	0	0	0.04793	23.12951	482.5637
LOC614370	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614376	1	1.285383	0.927405	0.597835	0.748491	0.920473	0.093428	0.139098	0.599806	0.307637	0.138492	0.895918	0.255692	0.285397
LOC614402	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614414	1	0	0	0.08626	0.094627	0	1.136858	0.335718	0.561429	0.612557	0.656574	0.036177	0.660627	18.26078
LOC614416	1	0.024438	0	0.106745	0.014637	0	0.447629	0.597198	0.094739	1.0107	3.310914	0.029164	1.092236	37.45139
LOC614419	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614423	1.23E-30	0.348063	0.016378	0.348404	0.277961	0.236132	90.9245	118.4926	66.41664	42.80973	106.5581	0.245388	85.04032	346.555
LOC614424	1	12.91538	9.553765	0	0	0	12.3965	5.39303	1.311841	0	0	4.493829	3.820273	0.850115
LOC614437	1	0	0.039481	0	0.008376	0	0	0.014858	0.126495	0.325321	0.976354	0.009571	0.288606	30.15284
LOC614522	1	13.61146	13.37427	15.5315	18.85886	12.36068	3.886721	9.054614	5.102371	8.34176	2.904401	14.74735	5.857973	0.397222
LOC614531	1	0.036048	0.081418	0	0	0.065215	1.446314	1.42986	1.242178	0.31059	0	0.036536	0.885789	24.24425
LOC614544	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614591	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614592	1	0	0	0.064951	0	0	0	0	0	0	0	0.01299	0	0
LOC614614	0.09538	2.72166	2.542548	0.497927	0.819332	8.004388	0	0	0	0.29466	0.071062	2.917171	0.073144	0.025074
LOC614617	1	0.057966	0.065461	0	0	0	0	0.061587	0.074905	0	0	0.024685	0.027298	1.105852
LOC614618	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614619	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614625	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614642	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614643	1.70E-10	0.988467	0.92382	0.595524	1.102418	9.342066	610.0542	148.4796	227.1866	183.2558	304.9483	2.590459	294.7849	113.7964
LOC614649	1	0.439319	0.124031	0.319818	0.08771	0	0	0	0	1.8926	0.243431	0.194176	0.427206	2.200102
LOC614650	1	0.007701	0.003479	0.003364	0	0	0.00806	0.009818	0.007961	0.055735	0.005121	0.002909	0.017339	5.961214
LOC614656	1	0.001792	0.004048	0	0	0	0	0	0	0	0	0.001168	0	0
LOC614695	1	0.033597	0.151766	0	0	0	0.175826	0.214178	0	0.173686	0	0.037073	0.112738	3.040989
LOC614697	1	0.008197	0	0.004475	0	0	0	0	0	0	0.003406	0.002534	0.000681	0.268814
LOC614732	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614737	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614741	1	7.518198	7.783917	9.773787	11.57264	8.598631	4.681038	7.081028	7.320379	7.268554	7.939864	9.049435	6.858173	0.757856
LOC614747	1	0	0	0	0.021234	0	0	0	0	0	0	0.004247	0	0
LOC614748	0.502453	0	0.022373	0	0	0	0.207355	0.16839	0.102401	1.945904	1.745427	0.004475	0.833895	186.3642

LOC614771	1	0.018348	0	0	0.003381	0	0	0.002999	0	0.021889	0.025808	0.004346	0.010139	2.333075
LOC614781	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614785	1	3.376039	2.896961	2.14808	1.496649	8.295811	0	0	0.068702	2.336215	4.794593	3.642708	1.439902	0.395283
LOC614881	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614882	8.35E-15	0.088485	0.012491	0	0.039748	0.06003	13.66055	4.935671	7.260708	12.29354	17.70609	0.040151	11.17131	278.2348
LOC614886	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614895	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614914	1	0.124672	0.140792	0.194484	0.192013	0.531642	0	0.075692	0.161103	0.230181	0.029607	0.236721	0.099316	0.419552
LOC614922	1	0.214356	0.055863	0.180056	0.177768	0.134237	0.604043	0.385419	0.255688	1.790077	0.301511	0.152456	0.667348	4.377319
LOC614923	1	0.239337	0.063596	0.86092	0.505941	0.382047	0	0	0	0.072781	0.023403	0.410368	0.019237	0.046877
LOC614928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614945	1	0.24766	0	0	0	0.224023	0	0	0	0	0	0.094337	0	0
LOC614970	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC614985	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615000	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615002	1	0.824352	0.222617	0.547933	0.257605	0	1.125418	1.447061	0.64841	2.223443	3.157757	0.370501	1.720418	4.643486
LOC615009	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615014	1	0	0	0.07478	0	0	0	0	0	0	0	0.014956	0	0
LOC615040	1	0	0	0	0	0	0	0	0	0.150178	0.024145	0	0.034865	#DIV/0!
LOC615045	1	0	0	0.092484	0	0	0	0	0	0	0	0.018497	0	0
LOC615051	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615061	1	0	0	0	0	0	0	0	0	0	0.224374	0	0.044875	#DIV/0!
LOC615101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615112	1	3.540658	4.13037	0.394168	0.356094	1.02276	2.111299	4.511976	5.473914	0.576285	0.502981	1.88881	2.635291	1.395212
LOC615122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615150	1	0	0	0	0	0	0	0	0	0	0.031065	0	0.006213	#DIV/0!
LOC615170	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615183	1	0.044528	0.458158	0.637509	0.693416	0.20139	0	0.06308	0.089507	0.127885	0.041122	0.407	0.064319	0.158031
LOC615204	1	0	0	0	0	0	0	0	0	0	0.096477	0	0.019295	#DIV/0!
LOC615206	1	0.944013	0.224438	0.759569	0.476138	3.37071	0.780052	0.211156	0.256815	1.541117	0.57815	1.154973	0.673458	0.583094
LOC615210	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615223	1	0.018619	0.027034	0.017427	0.019117	0.036089	0	0.050868	0.027496	0.041251	0.039793	0.023657	0.031882	1.347659
LOC615237	1	0.053469	0.181148	0.116774	0	0	0	0.028405	0.034547	0.069103	0.066662	0.070278	0.039743	0.565517
LOC615245	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615258	1	0	0.045612	0	0.024191	0	0	0	0	0	0	0.01396	0	0
LOC615266	1	0.05623	0.111127	0.27631	0.774615	0.15259	0	0.029872	0.036331	1.090086	0	0.274174	0.231258	0.84347
LOC615271	1	0.655147	0.311521	0.050204	0.055073	0	0.120302	0.805984	1.188204	1.069539	0.687836	0.214389	0.774373	3.611998
LOC615276	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615277	1	0	0.008167	0.031588	0	0	0.037846	0	0	0.186928	0.132238	0.007951	0.071402	8.980379
LOC615278	1	3.858323	3.055198	4.594225	4.276585	3.801115	4.842873	4.835431	7.279411	5.751179	5.094069	3.917089	5.560593	1.419573
LOC615281	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615284	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615290	1	0.004202	0.00365	0.004941	0.003872	0	0	0	0	0	0	0.003333	0	0
LOC615291	1.18E-05	0.052461	0	0	0	0	12.07991	1.895093	2.03372	3.254425	5.494038	0.010492	4.951436	471.9199
LOC615297	1	0.012454	0	0.108798	0.059675	0	1.303535	0.211716	0.321871	0.772602	1.014446	0.036185	0.724834	20.03113
LOC615303	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC615401	1.16E-11	0.130604	0.088495	0.114094	0.06258	0	49.6217	10.43503	19.10471	9.857575	13.20015	0.079155	20.44383	258.2771
LOC615451	1	0.018632	0	0	0	0	0	0	0	0	0.030972	0.003726	0.006194	1.662334
LOC615454	0.54833	0.009538	0.053858	0	0	0	0.049917	0.445904	0.369767	1.429975	1.030628	0.012679	0.665238	52.46649
LOC615482	1	0.188563	0	0.164726	0.225879	0	1.381537	0.160275	0.097466	1.754645	0.188073	0.115833	0.716399	6.184734
LOC615514	1	8.542963	6.545419	7.041769	8.728283	16.01912	4.69002	1.780148	3.146921	3.071842	5.586582	9.375512	3.655103	0.389856
LOC615521	0.001288	0	0	0	0	0	0.567474	0.322585	2.522189	0.336341	0.39656	0	0.82903	#DIV/0!
LOC615559	3.45E-06	0.187359	0.232744	0.433736	0.592512	0.569443	0	0	0	0	0	0.403159	0	0
LOC615589	1	0	0	0.032145	0.052894	0.039941	0	0	0	0	0	0.024996	0	0
LOC615600	1	0.010086	0	0	0	0	0	0	0	0	0	0.002017	0	0
LOC615605	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615610	1	4.49169	2.552098	0	0	1.256988	4.187093	9.723577	5.36894	0	0	1.660155	3.855922	2.322628
LOC615622	0.003126	0.164745	0.59535	0.143918	0	0.447063	13.96703	4.901035	7.749068	9.709036	6.791739	0.270215	8.623581	31.91376
LOC615633	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615640	1	0	0	0	0	0	0	0.060376	0	0	0.047232	0	0.021521	#DIV/0!
LOC615663	2.63E-11	0.056706	0	0.024769	0.013585	0.030776	9.318225	8.362454	6.243127	7.38731	6.504185	0.025167	7.56306	300.5136
LOC615674	1	0.475465	0	0	0	0	0.311033	0	0	0.307248	0.296393	0.095093	0.182935	1.923746
LOC615694	0.000123	0.003835	0.017324	0	0.004594	0	0.762689	0.537871	0.376649	0.515489	0.267765	0.005151	0.492092	95.53825
LOC615697	1	0.03103	0	0.050826	0.055756	0.042103	0.730755	0	0	0.080207	0.038687	0.035943	0.16993	4.727765
LOC615706	4.92E-05	0	0	0	0	0	1.793549	5.389094	3.100062	5.315166	1.139419	0	3.347458	#DIV/0!
LOC615733	1	0.019853	0	0.086716	0.035673	0.107749	0.831175	0.105466	0.128272	0.205265	0.346523	0.049998	0.32334	6.467059
LOC615752	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615767	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615768	0.019025	2.173625	1.356538	2.748328	1.850048	0.931343	0	0	0	0	0.190173	1.811976	0.038035	0.020991
LOC615782	1	0	0.022623	0	0	0	0	0	0	0	0	0.004525	0	0
LOC615792	1	1.531253	0.871656	2.512226	2.001302	1.682397	1.65483	1.661308	1.087491	2.136683	0.322838	1.719767	1.37263	0.798149
LOC615808	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615810	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615824	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615840	1	0	0	0.00422	0.002315	0	0	0	0	0	0	0.001307	0	0
LOC615841	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615852	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615853	1	0	0.022093	0	0	0	0	0	0	0	0	0.004419	0	0
LOC615899	0.829393	1.386896	3.828561	3.786158	4.753318	0.627263	0	0	0	0	0.384247	2.876439	0.076849	0.026717
LOC615901	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615902	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615941	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615948	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC615959	1	0.383106	0.481807	0.30425	0.36505	0.8506	0	0	0	0.180047	0.101317	0.476963	0.056273	0.117982
LOC615989	1	0.45007	0	1.416093	1.306719	0	0	0	0	0.276049	0.278977	0.634576	0.111005	0.174928
LOC616002	1	0.191154	0.242855	0.052184	0.057246	0	0.125046	1.040869	0.957177	0.988197	0.774544	0.108688	0.777167	7.15045
LOC616004	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616011	2.01E-15	0.044663	0.025219	0.097543	0	0	30.73644	26.19435	14.14012	9.582045	13.03003	0.033485	18.7366	559.5515
LOC616039	1	0	0	0	0	0	0	0	0	0	0.034421	0	0.006884	#DIV/0!
LOC616051	4.54E-10	0.041156	0.015493	0	0.016434	0	2.441009	3.381576	4.183709	9.361525	3.968076	0.014616	4.667179	319.3103
LOC616063	1.71E-10	2.33022	1.453234	3.949757	4.132874	6.398956	0	0	0	0	0.046252	3.653008	0.00925	0.002532
LOC616092	1	0	0	0	0	0	0	0	0	0	1.095442	0	0.219088	#DIV/0!

LOC616094	0.017762	0	0	2.028932	1.340492	0	0	0	0	0	0	0.673885	0	0
LOC616125	1	0	0	0	0.047765	0	0	0	0	0	0	0.009553	0	0
LOC616138	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616149	1	0	0	0	0	0	0	0.018042	0.065829	0	0.338735	0	0.084521	#DIV/0!
LOC616160	2.73E-13	0	0	0.053199	0.02918	0	5.09917	6.26319	7.365706	5.855644	4.474475	0.016476	5.811637	352.7378
LOC616185	1	0	0	0	0	0	0.096549	0.274419	0.14304	0.095374	0.552025	0	0.232281	#DIV/0!
LOC616190	1	0	0	0	0	0	0.052985	0.10757	0	0.05234	0	0	0.042579	#DIV/0!
LOC616199	1.60E-17	0.127041	0	0.092484	0	0.114916	21.05348	27.08554	24.78891	17.29456	19.11219	0.066888	21.86694	326.9179
LOC616200	0.00171	124.0936	143.3695	0.416413	0.076134	892.4504	0	0.810323	0.246386	0.492844	0.052826	232.0812	0.320476	0.001381
LOC616241	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616254	0.033169	0.105772	0.301011	0.563645	0.590439	0.746279	0.044283	0.062933	0.06014	0.032808	0.049232	0.461429	0.049879	0.108097
LOC616281	1	1.660339	0.307382	0	0	0.369313	0.284888	0	0	0	0	0.467407	0.056978	0.121902
LOC616295	1	0.003738	0.003166	0	0	0.005072	0.205395	0.131056	0.183545	0	0	0.002395	0.103999	43.42199
LOC616304	0.001683	4.714684	4.894467	3.155131	3.336801	7.230429	29.65346	32.31645	24.25788	32.82557	20.67917	4.666303	27.94651	5.989004
LOC616306	1	0.016388	0	0	0	0	0	0	0	0	0	0.003278	0	0
LOC616308	1	0.01385	0	0	0	0	0	0.029431	0	0	0	0.00277	0.005886	2.12495
LOC616319	1	0.047208	0.017771	0	0.01885	0.042702	0	0	0	0	0	0.025306	0	0
LOC616323	1	0.050418	0	0	0	0	0	0	0	0	0	0.010084	0	0
LOC616364	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616400	1	0.012282	0.012946	0	0.000981	0	0.252819	0.153112	0.190453	0.067727	0.031306	0.005242	0.139083	26.53415
LOC616410	1	0	0.087501	0.018802	0	0	0	0	0	0	0.014311	0.021261	0.002862	0.134627
LOC616413	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616427	1	1.659796	2.647523	1.32585	0.82006	0.788663	1.047758	2.991759	4.32303	0.50081	0.547533	1.448378	1.882178	1.299507
LOC616450	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616475	2.28E-13	0	0.019915	0	0	0	6.921585	6.932449	7.793444	9.298795	3.781588	0.003983	6.945572	1743.814
LOC616478	1.40E-35	7.204821	21.30035	21.49821	31.07985	47.70351	0	0	0	0	0	25.75735	0	0
LOC616500	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616508	1	0.023186	0	0	0.027775	0	0	0	0	0.839052	0	0.010192	0.16781	16.46461
LOC616517	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616519	1	0.009843	0.0132	0.033589	0.012528	0.005008	0	0	0	0.00318	0	0.014834	0.000636	0.04288
LOC616520	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616538	1	0.05892	0.049904	0.06434	0	0.279809	0.154175	1.032924	1.065935	0.076149	1.591612	0.090595	0.784159	8.655688
LOC616568	1.07E-08	0	0	0	0	0	7.233206	3.628039	2.591501	6.44467	7.388304	0	5.457144	#DIV/0!
LOC616574	1	0.060195	0.033989	0	0.043264	0	0	0.025582	0	0.155594	0.100064	0.02749	0.056248	2.046144
LOC616595	1	0.044145	0.034274	0.006026	0.009915	0	0.202146	0.2052	0.285225	0.342319	0.073383	0.018872	0.221655	11.74521
LOC616611	0.691427	0	0.027473	0	0	0	0.254628	0.413559	0.691605	0.125765	1.253656	0.005495	0.547843	99.70471
LOC616631	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616658	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616695	2.99E-06	0.005381	0.006077	0	0.012893	0	0.028162	0.06861	0.055631	0.890227	3.05939	0.00487	0.820404	168.4534
LOC616700	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616705	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616716	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616720	0.012121	0.33845	0.20848	0.228468	0.331713	0.116893	0	0	0	0	0	0.244801	0	0
LOC616722	1	0	0.094316	0.227997	0.050022	0	0	0.044367	0	0	0.034708	0.074467	0.015815	0.212377
LOC616737	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616755	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC616763	1	0.016553	0.024035	0.046481	0	0	0	0	0.024446	0.036675	0.011793	0.017414	0.014583	0.83743
LOC616782	1	0.16927	0.13234	0.625612	0.311951	0.15017	0.085178	0.110674	0.109367	0.269251	0.170454	0.277869	0.148985	0.53617
LOC616819	1	0	0	0	0	0	0	0	0	0.083483	0.026844	0	0.022065	#DIV/0!
LOC616830	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616840	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616853	1	0.048613	0.036599	0.070779	0.232934	0	0	0	0	0	0	0.077785	0	0
LOC616860	1	0	0.050801	0	0	0	0	0	0	0	0.037389	0.01016	0.007478	0.735998
LOC616868	1	0	0	0	0	0.156095	1.204123	0	0	0	0.04781	0.031219	0.250387	8.020308
LOC616893	1	0	0.195779	0.126205	0	0.078408	0	0	0.149348	1.194958	0	0.080078	0.268861	3.357477
LOC616903	0.137106	4.993284	3.984769	5.368874	4.764057	7.048534	1.931264	0.373991	0.608927	2.201263	0.41998	5.231903	1.107085	0.211603
LOC616911	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616930	0.223175	0.020593	0	0.089949	0	0	0.431081	0.437592	0.478995	2.342092	2.225116	0.022108	1.182975	53.50796
LOC616936	1	0.071005	0.040093	0.077536	0	0	0	0	0.091754	0.183536	0.059017	0.037727	0.066861	1.772246
LOC616938	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616942	1	2.105267	1.074572	0.363669	2.151439	1.097413	2.427596	1.51647	1.659948	4.980569	3.657832	1.358472	2.848483	2.096829
LOC616944	0.170418	0.370173	0.200073	0.025166	0.015529	0	2.434737	2.497529	3.223714	2.903999	2.976192	0.122188	2.807234	22.97471
LOC616948	8.96E-05	0.80705	0.298124	0.57654	0.379476	0.307019	0	0	0	0	0	0.473642	0	0
LOC616952	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616957	1	0.014858	0	0.043267	0.035597	0.02688	0	0	0.0256	0	0.024699	0.024121	0.01006	0.41707
LOC616964	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC616971	0.137358	0.029259	0.02375	0.033948	0.017525	0.022331	0	0	0	0	0.00152	0.025363	0.000304	0.011986
LOC616977	1	0	0	0	0.028696	0	0	0	0	0	0	0.005739	0	0
LOC616995	1	0.021813	0.008211	0.031759	0.00871	0	0	1.823149	2.161008	0	0	0.014099	0.796831	56.51863
LOC617011	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617016	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617033	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617043	1	0	0	0	0.066364	0	0	0	0	0	0	0.013273	0	0
LOC617062	1	0.006181	0	0.0045	0	0	0	0	0	0.021303	0.00685	0.002136	0.005631	2.635812
LOC617072	1	0	0.227751	0	0	0	0	0.107137	0.065152	0	0	0.04555	0.034458	0.756476
LOC617084	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617085	0.010563	0	0	0.011083	0	0	0.132784	0.37741	0.563939	0.131168	0.278374	0.002217	0.296735	133.8743
LOC617112	1	0	0	0	0	0	0	0	0	0	0.034327	0	0.006865	#DIV/0!
LOC617119	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617130	0.001483	0.030992	0.034999	0	0	0	230.3083	35.89124	44.53332	0	0	0.013198	62.14657	4708.752
LOC617135	1	0	0	0.248888	0.245725	0	0	0	0	0	0	0.098923	0	0
LOC617141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617163	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617173	1	0.055647	0	0	0	0	0	0	0	0.503431	0	0.011129	0.100686	9.046867
LOC617183	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617189	1	0	0	0	0	0	0	0.034977	0	0	0	0	0.006995	#DIV/0!
LOC617218	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617219	1	0	0	0	0	0	0.136509	0	0.101121	0.741662	0.216806	0	0.23922	#DIV/0!
LOC617224	0.011928	0.114918	0.111238	0.125488	0.06883	0	0	0	0	0	0.040935	0.084095	0.008187	0.097355
LOC617264	1	0	0	0	0	0	2.899098	1.349422	0.488873	0	0	0	0.947479	#DIV/0!
LOC617301	1	0.022587	0	0	0.027057	0	0	0	0	0.233531	1.126401	0.009929	0.271986	27.39408

LOC617302	0.00018	0.130021	0.06526	0.47327	0.069223	0.156816	0	0	0	0	0	0.178918	0	0
LOC617313	1	0.019243	0	0	0.046101	0	0.201407	0	0	0.298433	0	0.013069	0.099968	7.649351
LOC617333	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617380	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617388	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617396	1	0.043241	0	0.220351	0.258989	0	1.206895	1.837686	2.011557	1.713798	4.600351	0.104516	2.274057	21.75797
LOC617402	1	0	0.590242	0	0	0	0	0	0	0	0	0.118048	0	0
LOC617406	0.069212	0.432905	0.423698	0.346664	0.311145	0	4.493313	6.148013	7.011269	4.475929	6.092895	0.302883	5.644284	18.63522
LOC617415	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617417	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617457	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617463	1	0.49932	0.291038	0.457305	0.405187	0.524513	0	0.034227	0	0.499607	0.321305	0.435472	0.171028	0.392741
LOC617467	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617475	1	2.875249	2.67461	2.748444	2.125171	4.62457	0.777511	0.612833	0.383968	1.129483	3.864376	3.009609	1.353634	0.449771
LOC617486	1	0	0.053763	0	0	0	0	0	0	0	0	0.010753	0	0
LOC617499	1.10E-05	0.039291	0.059161	0	0	0	4.318026	1.141036	1.116986	3.588416	3.744669	0.01969	2.781827	141.2784
LOC617503	1	0	0.092752	0	0.021863	0	0	0	0	0	0.075851	0.022923	0.01517	0.661781
LOC617507	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617539	1	0.051809	0.019503	0	0	0.046864	0	0.128441	0	0	17.54067	0.023635	3.533821	149.5143
LOC617556	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617565	1	0.457692	0.420508	0.49132	0.223024	0.231564	1.664497	0.428591	0.701708	0.12031	0.064478	0.364821	0.595917	1.633448
LOC617571	1	0	0	0	0	0	0	0	0	0	0.13173	0	0.026346	#DIV/0!
LOC617591	1	0.003048	0	0.003328	0.003651	0	0	0	0	0	0	0.002005	0	0
LOC617592	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617614	1	0.010498	0.005928	0	0	0	0	0	0	0	0	0.003285	0	0
LOC617633	1	0	0.069653	0	0	0	0	0	0	0	0	0.013931	0	0
LOC617648	3.37E-07	4.579521	4.199331	3.16146	2.765452	2.139367	0.014081	0.080046	0.069539	0.166918	0.27284	3.369026	0.120685	0.035822
LOC617654	1	3.513729	4.583126	0.767385	1.452131	0	2.666332	3.210594	0.998914	1.907294	0.554894	2.063274	1.867605	0.905166
LOC617663	1	0	0	0.026678	0.014633	0	0	0	0	0	0.121834	0.008262	0.024367	2.94927
LOC617692	8.49E-06	0	0.07891	0.08478	0.0093	0	3.738056	3.942999	2.066733	2.207511	2.013367	0.034598	2.793733	80.74792
LOC617694	1.86E-05	0.320649	0	0.200081	0.219488	0	20.61619	14.89266	10.41794	4.499309	8.223828	0.148044	11.72998	79.23326
LOC617695	1	0	0	0	0	0	0	0	0	0	0.022493	0	0.004499	#DIV/0!
LOC617698	1	0	0	0	0.02727	0	0	0	0	0.088264	0.047303	0.005454	0.027113	4.971347
LOC617700	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617705	1	0	0	0.00612	0.006714	0	0	0	0	0.04346	0.08385	0.002567	0.025462	9.91996
LOC617709	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617738	1	0	0	0	0.030547	0	0	0	0	0	0.04239	0.006109	0.008478	1.387714
LOC617765	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617783	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617785	1	0.044052	0	0	0.03518	0	0.922156	0.21842	0.1518	0.227733	1.196078	0.015846	0.543238	34.28149
LOC617817	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617833	1	0.016275	0.091895	0.142172	0.175457	0.264983	0	0	0	0	0	0.138156	0	0
LOC617875	1	0.876283	0.37444	0	0.283701	1.478182	0	0	0	0	0.03937	0.602521	0.007874	0.013068
LOC617878	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC617905	1	0.027338	0	0	0.032747	0	0	0	0.035326	0.070663	0.022722	0.012017	0.025742	2.142145
LOC617944	1	0.482195	0.069814	0.135012	0.088864	0	0.582343	0.18391	0.447356	8.373164	33.95365	0.155177	8.708084	56.11709

LOC617979	1	0.006413	0.006068	0.007571	0.007267	0.000941	0.013607	0.009577	0.017023	0.050181	0.033136	0.005652	0.024705	4.370828
LOC618007	1	0	0	0	0	0	0.531853	0	0	0	0	0	0.106371	#DIV/0!
LOC618010	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618012	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618014	1	0	0.036209	0.420146	0.124826	0.043504	0	0	0	0	0	0.124937	0	0
LOC618034	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618050	1	0	0	0	0	0	0	0	0	0.18816	0.484032	0	0.134438	#DIV/0!
LOC618052	1	0	0	0	0	0	0	0	0	0	0.066074	0	0.013215	#DIV/0!
LOC618064	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618067	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618070	1	0	0.108027	0.069638	0.038196	0	0	0	0	0	0	0.043172	0	0
LOC618071	1	0.053241	0.030063	0.058138	0.175388	0.07224	2.298692	0.650527	0.687996	0.344048	0.265515	0.077814	0.849356	10.91519
LOC618075	1	0	0.02534	0	0.026879	0	0	0	0	0	0	0.010444	0	0
LOC618076	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618080	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618087	1	0	0	0	0	0	0	0	0	0.105076	0	0	0.021015	#DIV/0!
LOC618091	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618112	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618123	0.046388	0.048115	0	0	0.009606	0	0.335735	0.869056	0.704652	0.580386	0.333263	0.011544	0.564619	48.90922
LOC618124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618125	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618139	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618140	1	0	0.020773	0	0	0	0	0	0	0	0	0.004155	0	0
LOC618169	1	0.002945	0.008315	0.003216	0.002646	0.007992	0.003853	0.001565	0	0.003806	0.014687	0.005023	0.004782	0.952112
LOC618173	1	0	0	0	0	0	0	0	0	0	0.061216	0	0.012243	#DIV/0!
LOC618212	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618213	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618219	1	0.59939	0.376052	0.363623	0.199446	0.271091	0	0	0	0.344292	0	0.361921	0.068858	0.190258
LOC618220	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618256	0.04254	0.988467	0.647444	0.431755	0.686766	3.648031	50.07439	7.225525	5.773481	27.9007	42.13069	1.280492	26.62096	20.78962
LOC618263	1	0	0	0	0	0	0	0	0	0.044701	0	0	0.00894	#DIV/0!
LOC618268	1	0.17892	0.18902	0.15126	0.304207	0.156623	0	0.073587	0	0.029837	0.086349	0.196006	0.037955	0.19364
LOC618289	0.00054	0.140553	0.218786	0.33185	0.404991	0.030925	0	0	0	0	0	0.225421	0	0
LOC618297	0.402755	0.006109	0.005174	0.010006	0.004879	0.006907	0.037298	0.05517	0.094729	0.089479	0.060084	0.006615	0.067352	10.18167
LOC618304	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618326	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618358	1	0.010765	0	0	0	0	0	0	0.009274	0.05565	0.005965	0.002153	0.014178	6.58523
LOC618359	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618367	1	0.155214	0.035057	0.135592	0	0	0	0	0	0.88264	9.624044	0.065173	2.101337	32.24263
LOC618377	1	0	0.024212	0.046823	0	0	0	0	0	0	1.033542	0.014207	0.206708	14.54989
LOC618396	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618409	1	0.865433	0.95487	1.737996	1.334597	0.377919	1.197346	1.120311	2.210952	0.51425	3.671006	1.054163	1.742773	1.653229
LOC618420	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618455	1	0	0	0	0	0.061701	0	0	0	0	0	0.01234	0	0
LOC618456	1	0.225242	0.205916	0.640276	0.434703	0.179489	0	0	0	0.018483	0	0.337125	0.003697	0.010965
LOC618463	0.076972	0.035402	0	0	0	0	0.324225	0.037614	0	0	0.117701	0.00708	0.095908	13.54547

LOC618495	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618523	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618533	1	0	0.128737	0	0	0	0	0.121118	0.073654	0	0	0.025747	0.038954	1.512952
LOC618541	1	0.44127	0.048617	0.047011	0.128926	0.175238	0	0	0	0	0	0.168212	0	0
LOC618542	1	0	0.114956	0	0	0	0	0.108153	0	0.131559	0.549947	0.022991	0.157932	6.869236
LOC618554	1	0	0	0	0	0	0	0	0.04963	0.397098	0.095767	0	0.108499	#DIV/0!
LOC618559	0.088188	0.039832	0.134948	0.391464	0.405575	0.918778	0	0	0	0	0	0.378119	0	0
LOC618561	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618565	1	0.043702	0	0	0.013088	0	0	0.162512	0	0	0	0.011358	0.032502	2.861668
LOC618582	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618593	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618608	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618624	2.73E-12	0.609329	0.259956	0.650589	0.64881	0.734897	23.5264	19.33559	14.87289	16.31006	46.88641	0.580717	24.18627	41.64901
LOC618628	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618633	0.637566	0.074944	0.033854	0.605594	0.206481	0.488094	0	0	0	0	0	0.281793	0	0
LOC618660	1	0	0	0	0	0.054276	0	0	0	0	0	0.010855	0	0
LOC618664	1	0	0	0.047666	0.013072	0.118455	0	0	0	0	0.018141	0.035839	0.003628	0.101235
LOC618675	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618690	1	0	0	0	0	0	0.845475	0.171649	0.67849	0	0.23499	0	0.386121	#DIV/0!
LOC618696	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618717	1	0	0	0	0.045404	0	0	0	0	0	0	0.009081	0	0
LOC618733	1	1.141407	1.046959	0.957927	1.134428	0.365196	2.138931	1.609894	3.156008	3.169351	5.891052	0.929183	3.193047	3.436401
LOC618737	1	1.821422	0.388533	0.353592	0.24243	0.494274	2.753717	0.731081	0.732256	0.941609	0.773774	0.66005	1.186487	1.797571
LOC618787	1	0	0.004134	0	0.004385	0	0	0.011667	0.066218	0	0.006085	0.001704	0.016794	9.85771
LOC618801	1	0	0	0.356225	0.083738	0	0	0	0	0.240919	0	0.087992	0.048184	0.54759
LOC618803	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618806	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618816	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618817	1	0	0	0.027245	0	0	0.065285	0.066271	0.064481	0	0	0.005449	0.039207	7.195453
LOC618826	1	0	0	0	0	0	0.0739	0	0	0.146001	0.798108	0	0.203602	#DIV/0!
LOC618827	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618828	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618831	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618840	1	0	0	0	0	0	0	0.05826	0	0	0	0	0.011652	#DIV/0!
LOC618859	1	0	0	0.068021	0.031091	0	0	0	0	0	0.017258	0.019822	0.003452	0.174128
LOC618873	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618881	1	0.091614	0	0	0	0	0	0	0	0	0	0.018323	0	0
LOC618912	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618938	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618939	1	0	0.008071	1.139353	0.958798	0	0	0	0	0	0.071279	0.421244	0.014256	0.033842
LOC618943	1	0	0	0	0	0	0	0	0	0.164839	0	0	0.032968	#DIV/0!
LOC618947	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC618985	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC619011	1	0	0	0.078828	0.100886	0	0	0	0	0	0	0.035943	0	0
LOC619012	1	0.01639	0.002314	0.004474	0.004908	0	0	0	0	0	0	0.005617	0	0
LOC619014	1	0	0.041263	0.048766	0.13374	0.03856	0.106233	0.008627	0.005246	0	0	0.052466	0.024021	0.457844

LOC619021	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC619026	1	0.062447	0.088152	0	0	0.466015	0.408506	2.886145	1.855988	0.968482	0.207615	0.123323	1.265347	10.26045
LOC619029	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC619061	5.22E-25	0.121363	0.102792	0	0.14538	0.164669	127.6613	38.94134	70.33714	36.07558	63.34803	0.106841	67.27268	629.6542
LOC619067	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC619094	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC619113	1	0	0	0.059531	0	0	0	0	0	0	0	0.011906	0	0
LOC619131	1	0.08479	0	0	0	0.115045	0.443731	0.090087	0.219134	1.534159	0.140948	0.039967	0.485612	12.15032
LOC619137	1	0	0	0	0.016035	0	0	0	0	0	0	0.003207	0	0
LOC619140	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC619156	4.66E-11	0.344891	0.283264	0.616278	0.187792	0.340335	26.58166	8.461386	21.39243	36.14549	37.05757	0.354512	25.92771	73.13636
LOC619159	0.593179	0.034234	0.092786	0.194392	0.401888	0.03716	0	0	0	0	0	0.152092	0	0
LOC619179	1	0.059964	0.013544	0	0.014366	0	0	0	0	0	0	0.017575	0	0
LOC751788	1	0.003984	0.001038	0.004015	0.003304	0.000832	0	0	0	0.003168	0.003566	0.002635	0.001347	0.511222
LOC751811	1	0	0	0	0	0	0	0	0	0	0.187445	0	0.037489	#DIV/0!
LOC767888	1	0	0.037177	0	0	0	0	0	0	0	0	0.007435	0	0
LOC768229	1	0	0	0.015437	0	0.019181	0	0	0	0	0	0.006924	0	0
LOC768255	1	0.217942	0.021402	0.082778	0.090807	0.102856	2.777015	0.785282	0.783663	0.734791	0.189022	0.103157	1.053954	10.21699
LOC777593	1	0.011159	0.050408	0	0	0	0.408797	1.138208	0.576805	1.096088	0.185503	0.012314	0.68108	55.31155
LOC777598	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC777692	1	0.321827	0.2596	0.200816	0.275367	0.374285	0.360905	0.097695	0.178231	0.713026	0.458557	0.286379	0.361683	1.262951
LOC780781	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC780846	1	0	0.099186	0	0	0	0	0	0	0	0	0.019837	0	0
LOC780933	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC780963	1	0	0	0	0	0	0	0	0	0.228987	0	0	0.045797	#DIV/0!
LOC780968	5.14E-12	0	0	0.135518	0	0.224516	14.93782	9.537586	9.782462	21.17169	16.22895	0.072007	14.3317	199.0327
LOC780971	1.32E-05	0.019811	0	0	0	0	1.555166	2.652142	2.662428	0.614496	3.06273	0.003962	2.109393	532.3776
LOC780972	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC780975	1	0.062734	0.12398	0	0.009394	0	0.205191	0.233285	0.162131	0.527004	0.143391	0.039221	0.254201	6.481178
LOC780976	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC780982	0.003844	0	0.042561	0	0.015048	0	1.380613	2.429208	0.714273	0.324717	1.106799	0.011522	1.191122	103.3797
LOC780987	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC780992	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC780995	1	0.001367	0.004117	0.002986	0.000546	0	0	0.000968	0.000589	0.018848	0.003788	0.001803	0.004839	2.683246
LOC781001	1	0.016799	0.018971	0.220125	0.080492	0	0	0.035696	0	0	0	0.067277	0.007139	0.106117
LOC781002	1.33E-32	0.254157	0.16617	0.233713	0.176262	0	39.97264	76.23532	56.76609	49.51332	45.49594	0.166061	53.59666	322.7535
LOC781004	0.06703	0.151652	0.07211	0.10459	0.143418	0	2.631555	1.54342	1.505857	3.466039	0.265364	0.094354	1.882447	19.95091
LOC781022	1	3.216615	0.087884	0	0	4.716387	4.751419	1.54342	0.536333	0	0	1.604177	1.366234	0.851673
LOC781028	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781046	1	0.005453	0.001539	0.002977	0	0	0.007134	0	0.003523	0.007047	0	0.001994	0.003541	1.77587
LOC781048	1	0.10207	0	0	0	0	0	0	0	1.846827	1.018046	0.020414	0.572975	28.06774
LOC781053	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781055	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781059	1	0.110998	0.02507	0	0	0	0.232356	0.047173	0.401616	0	0	0.027214	0.136229	5.005902
LOC781061	5.96E-26	0.145427	0	0	0	0	90.78455	28.20961	41.98762	34.90527	52.35581	0.029085	49.64857	1706.991
LOC781064	1	0	0	0.262088	0	0	0.942043	0.510012	0.310148	0.310193	0	0.052418	0.414479	7.907263

LOC781065	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781066	1	0.032049	0.036193	0	0	0	0.167724	0	0	5.964595	13.90519	0.013649	4.007503	293.6212
LOC781086	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781089	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781100	1	0.145588	0	0	0.0218	0	0.095239	0	0.047033	0.282239	0.332772	0.033478	0.151457	4.524118
LOC781108	1	0	0.171043	0.066156	0.108859	0	0	0	0	0	0.50355	0.069212	0.10071	1.455102
LOC781122	1	0.047212	0.03199	0.041244	0	0	0.049415	0.020065	0.024403	0.829832	0.565069	0.024089	0.297757	12.36066
LOC781124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781133	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781139	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781146	1	0	0	0	0	0	0.664098	0.449419	0.5466	0	0.210947	0	0.374213	#DIV/0!
LOC781156	1	0.157988	0.82518	1.078252	1.892534	0	2.067014	2.391988	1.480132	0.71465	0.393944	0.790791	1.409546	1.78245
LOC781158	1	0.181583	0.146473	0.226612	0.093222	0	0.950284	0.220489	0.804499	2.413849	0.474338	0.129578	0.972692	7.506613
LOC781159	1	0.022546	0	0	0	0	0.117991	0.143728	0.291345	0.116555	0.299833	0.004509	0.19389	42.9987
LOC781164	1	1.340534	0.817491	0.526981	0.35328	0	0	0.056971	0.034645	1.247414	0.066852	0.607657	0.281177	0.462722
LOC781179	1	0	0	0	0	0	0	0.031375	0	0	0.024544	0	0.011184	#DIV/0!
LOC781180	1	1.190925	0.766603	0	0	0.452449	13.08825	8.553613	16.58976	0	0	0.481995	7.646323	15.86389
LOC781183	1	0.077447	0.043731	0	0	0	0	0	0	0.200186	0	0.024236	0.040037	1.652008
LOC781186	1	0.311716	0	0	0	0.634421	0.815656	1.076368	1.409821	0	0	0.189227	0.660369	3.489818
LOC781189	1	0	0.033827	0.228961	0.233228	0	0	0	0.038707	0	0	0.099203	0.007741	0.078035
LOC781192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781197	1	0.401145	0.164733	0.159288	0	0	0	0.154984	0.094249	0.7541	0.242486	0.145033	0.249164	1.717977
LOC781203	1	0.007251	0	0	0	0	0	0	0	0.187433	0	0.00145	0.037487	25.84819
LOC781208	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781209	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781211	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781215	0.056193	0.020593	0	0	0	0	1.077703	0.131278	0.425773	2.022716	0.821581	0.004119	0.89581	217.5028
LOC781218	0.043552	0.114787	0.0698	0	0.042308	0	1.524896	2.007617	1.620219	0.456466	1.365053	0.045379	1.39485	30.73771
LOC781220	0.004075	0.039769	0.011228	0	0	0	3.642168	1.669013	3.109112	0.308387	0.148746	0.010199	1.775485	174.0782
LOC781224	1.30E-19	0.113411	0.05123	0	0	0.123104	41.66493	19.37583	28.13804	35.99848	18.73959	0.057549	28.78337	500.1531
LOC781229	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781244	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781245	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781246	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781254	1	0.670318	1.135491	1.699226	1.046729	0	1.002284	2.518122	2.815149	3.465303	0.019898	0.910353	1.964151	2.157571
LOC781255	1.56E-09	0.036646	0.062076	0	0	0	7.287585	6.034932	5.019552	3.504725	4.812463	0.019744	5.331851	270.0443
LOC781256	1	0.052578	0	0.229657	3.035777	0	4.182404	10.97146	8.805347	6.360343	4.597359	0.663602	6.983384	10.52345
LOC781261	2.61E-06	0.466397	0.363806	0.241522	0.21311	0.534964	3.824769	2.676909	1.764571	4.871918	12.39692	0.36396	5.107017	14.03182
LOC781264	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781274	1	0.815114	0.394505	0.07266	0.039854	0	0	0	0	0.429984	0.359487	0.264427	0.157894	0.597119
LOC781276	1	0.156745	0.225289	0.093361	0.375527	0.077337	0.29829	0.575311	0.147308	0.14733	0.568499	0.185652	0.347348	1.870962
LOC781277	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781280	1	0.845302	0.293725	0.213012	3.180547	0	12.19365	30.99639	8.346427	2.128929	7.169992	0.906517	12.16708	13.42178
LOC781285	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781286	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC781298	1	0.35338	0.038934	0.075295	0.144546	0.163725	0	0	0	0	0	0.155176	0	0
LOC781303	1	0	0	0.040976	0	0	0	0	0	0	0	0.008195	0	0
LOC781304	1	0	0.005966	0	0.001582	0	0	0	0.006827	0.013656	0	0.00151	0.004097	2.713534
LOC781308	0.000979	0	0	0	0	0	0.292737	0.475454	0.795114	2.024222	1.162326	0	0.949971	#DIV/0!
LOC781318	1	0.010733	0.006061	0.041023	0.035358	0	0.028086	0.011404	0.034675	0.263569	0.013382	0.018635	0.070223	3.768345
LOC781319	1	0.020788	0.016769	0.006486	0	0	0	0	0	0	0	0.008809	0	0
LOC781322	1	0.041505	0	0	0	0	0	0	0	0	0	0.008301	0	0
LOC781324	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781325	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781326	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781337	1	0	0	0	0	0	0	0.118775	0	0	0	0	0.023755	#DIV/0!
LOC781339	0.000295	10.59053	0.394525	0.31084	0.495983	5.653039	84.84532	157.008	145.8652	134.2476	127.1495	3.488983	129.8231	37.20944
LOC781347	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781358	1	0.052314	0.059079	0	0.025067	0	0	0	0	0.216357	0.017393	0.027292	0.04675	1.712954
LOC781359	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781363	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781366	1	0	0	0.046268	0	0	0	0	0	0	0	0.009254	0	0
LOC781370	0.240671	1.260462	0.640551	0.27528	0.415222	0.171024	8.905153	1.205288	1.140157	23.78388	51.43981	0.552508	17.29486	31.30247
LOC781374	1	0.025142	0	0.109817	0	0	0.78945	0.32055	0.389864	1.299737	1.880728	0.026992	0.936066	34.67966
LOC781379	1	0.218806	0.370649	0	0	0.098961	0	0	0	0	0	0.137683	0	0
LOC781381	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781383	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781392	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781398	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781399	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781401	1	0	0	0.069796	0.038283	0	0.222998	0.27164	0.385442	0.220284	0.194794	0.021616	0.259032	11.98348
LOC781403	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781404	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781406	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781410	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781412	0.020198	0.80778	1.395176	0.492927	1.451452	0	9.946768	10.29895	11.02162	15.41409	28.88994	0.829467	15.11427	18.22167
LOC781416	1	0	0	0.167415	0.045913	0.416042	0.401169	0.081446	0.495287	7.529456	12.48804	0.125874	4.199079	33.35937
LOC781421	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781423	1	0	0.279479	0.10009	0.087838	0.049746	0	0	0.094755	0.568611	0	0.103431	0.132673	1.282727
LOC781439	1	0.025422	0.035752	0.042951	0.040796	0.020827	0.065267	0.121293	0.164876	0.190937	0.165852	0.033149	0.141645	4.272933
LOC781441	1	0.006491	0.001466	0.001418	0.000778	0.003523	0	0	0	0	0	0.002735	0	0
LOC781444	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781446	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781447	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781466	3.02E-13	0.078691	0.029622	0.057286	0.062842	0	9.197201	11.98367	9.897437	17.89934	21.14769	0.045688	14.02507	306.9736
LOC781478	1	0.002948	0	0.00161	0	0	0	0	0	0	0	0.000912	0	0
LOC781483	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781486	1	0	0	0	0	0	0	0	0	0.059565	0	0	0.011913	#DIV/0!
LOC781494	0.010924	0.280642	0.308591	0.177422	0.353873	0.280579	0	0	0	0	0	0.280221	0	0
LOC781498	0.034498	0	0.071412	0.138103	0.037875	0	0.496396	1.14216	3.431988	4.903553	2.365158	0.049478	2.467851	49.87776
LOC781499	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC781502	1	0	0	0.050327	0.027604	0	0	0	0	0	0.076614	0.015586	0.015323	0.98309
LOC781504	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781508	1	0	0.032331	0	0	0	0	0	0	0	0	0.006466	0	0
LOC781509	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781517	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781518	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781528	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781532	1	0.015109	0	0	0	0	0	0	0	0	0	0.003022	0	0
LOC781533	1	1.723562	0.050339	0	0	0.846731	25.19369	19.87528	27.9555	0	0	0.524126	14.60489	27.86522
LOC781553	1	0.002303	0.003902	0.002515	0.00069	0	0	0	0	0.002977	0	0.001882	0.000595	0.316347
LOC781562	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781565	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781566	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781567	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781576	1	0.356881	0.201514	0.584561	0.213753	0.363172	1.167298	0.379177	0	0.230618	0.074157	0.343976	0.37025	1.076383
LOC781582	1	0	0	0	0	0	0	0	0	0	0.055013	0	0.011003	#DIV/0!
LOC781589	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781595	1	0	0	0	0	0	0	0	0	0.041572	0	0	0.008314	#DIV/0!
LOC781603	1	0.025833	0.116695	0.225677	0.340402	1.542274	4.191034	1.097893	0.26706	1.201944	24.90736	0.450176	6.333058	14.06795
LOC781606	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781612	1	0.171711	0.024239	0	0	0.058246	0.44931	0.182439	0.332833	0	0	0.050839	0.192916	3.794634
LOC781616	0.370231	0	0	0	0.026514	0	0.405425	0.63496	0.171614	0.286065	0.220767	0.005303	0.343766	64.82619
LOC781624	1	0	0	0.133388	0.036581	0	0	0	0	0	0	0.033994	0	0
LOC781627	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781634	1	0.004544	0	0	0	0	0	0	0	0	0	0.000909	0	0
LOC781635	1	0.031618	0.071412	0.241681	0.037875	0	0	0	0	0	0	0.076517	0	0
LOC781636	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781637	1	0	0	0	0.010842	0	0	0	0	0	0	0.002168	0	0
LOC781646	0.458273	0.260846	0.147287	0	0.104155	0	2.047635	0.554284	0.674141	19.10343	11.27392	0.102458	6.730682	65.69238
LOC781649	1	0.000896	0.003035	0	0	0	0	0	0	0	0	0.000786	0	0
LOC781650	2.61E-07	1.246753	0.479308	0	0.222433	0.215954	39.98095	18.65775	29.61648	34.28332	20.24014	0.43289	28.55573	65.96539
LOC781663	1	0.569118	1.080106	2.339126	1.53392	1.480048	0.082733	0.310735	1.215496	2.901269	0.57815	1.400464	1.017676	0.726671
LOC781666	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781670	1	0.050172	0.056659	0	0	0	0.087521	0	0	0.259369	0.027801	0.021366	0.074938	3.507336
LOC781671	1	0.346991	1.420488	0.094727	0.831316	0	6.582699	8.571555	10.53714	6.27836	9.950052	0.538704	8.383962	15.56319
LOC781676	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781677	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781682	1	0.135114	0	0	0	0	2.651614	2.368665	3.055457	0	0	0.027023	1.615147	59.76969
LOC781685	1	0.652811	0.05671	0.219341	0.180461	0	0	0	0	1.817199	0.834762	0.221865	0.530392	2.390613
LOC781688	1	0.105609	0.07951	0	0	0.19106	0.644804	0.748049	0.181961	0	0	0.075236	0.314963	4.186339
LOC781689	0.006294	0.084599	0	0	0	0	1.438879	2.741457	0.65592	2.514728	1.476626	0.01692	1.765522	104.347
LOC781692	1	0.604335	0.472486	0.101527	0.111374	0.189227	2.067909	2.173231	5.346401	1.682259	2.550156	0.29579	2.763991	9.344449
LOC781697	1	0.048807	0.011024	0.021318	0.023386	0	0	0.020742	0	0.504628	0.032453	0.020907	0.111565	5.336232
LOC781698	1	0.00149	0.001071	0.001775	0.002109	0.005145	0.001417	0.004892	0.0028	0.0021	0.006529	0.002318	0.003548	1.530659
LOC781699	4.99E-05	0	0	0	0	0	1.507462	1.713859	2.630389	1.092018	0.861904	0	1.561126	#DIV/0!
LOC781702	1	0.001903	0.007522	0.014546	0.009118	0	0	0.004044	0	0.054109	0.020562	0.006618	0.015743	2.378831

LOC781706	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781710	1	0.196524	0.077195	0.20527	0.051177	0.278245	0.089433	0	0	0.088344	0.085223	0.161682	0.0526	0.32533
LOC781712	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781713	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781719	0.004264	0.238596	0.692865	0	0	0	9.810812	10.28493	12.42082	6.695887	11.89876	0.186292	10.22224	54.87214
LOC781720	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781723	1	0.020359	0.011496	0.044463	0	0	0	0.129783	0	0.263117	0.101529	0.015263	0.098886	6.478647
LOC781724	1.52E-13	0.2334	0.615019	0.101947	0.242309	0.168899	48.69538	11.44019	19.98628	22.68391	26.82289	0.272315	25.92573	95.20506
LOC781726	1	0.012759	0	0.222917	0.030567	0.069246	0	0.054223	0.032974	0.131916	0.190884	0.067098	0.082	1.22209
LOC781728	1	0.218129	0.024633	0	0.02613	0	0	0.046351	0	0.112765	0.108781	0.053778	0.053579	0.9963
LOC781731	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781733	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781736	1	0.01212	0.009125	0.005294	0.019359	0.004385	0.008457	0.005151	0.004177	0.045949	0.013432	0.010057	0.015433	1.534622
LOC781741	1	2.891026	2.204994	0	0	1.141666	11.06499	13.77654	9.451132	0.278835	0.017932	1.247537	6.917888	5.545236
LOC781745	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781752	1.89E-06	0	0	0	0	0	0.325354	0.876712	0.555055	0.788877	0.573104	0	0.623821	#DIV/0!
LOC781756	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781758	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781760	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781764	1	0.011638	0.006958	0	0.00246	0.003715	0	0.001455	0.001769	0.028312	0.00569	0.004954	0.007445	1.502791
LOC781765	1	0	0	0	0	0	0	0	0	0.155677	0.033373	0	0.03781	#DIV/0!
LOC781770	1	0.09051	0	0	0	0	0	0.144247	0	0.233953	0.300917	0.018102	0.135823	7.503199
LOC781771	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781773	1	0.098072	0.083065	0.053547	0.05874	0	0.128311	0.0521	0.063366	3.548995	13.04233	0.058685	3.367021	57.37454
LOC781774	1	0.181021	0.255534	0	0	0	7.341883	0.096165	0	0	0	0.087311	1.48761	17.03806
LOC781777	1	0.03446	0.428079	0	0	1.589738	7.033346	1.903888	4.63116	0	0	0.410455	2.713679	6.611384
LOC781778	1	0	0	0.196664	0.060677	0	0	0	0	0	0	0.051468	0	0
LOC781781	1	0	0	0	0	0	0.301801	0.714839	0.471967	0	0	0	0.297721	#DIV/0!
LOC781785	1	0.019322	0	0	0.011573	0	0	0	0	0	0	0.006179	0	0
LOC781796	1	0.163647	0.032613	0.042047	0.034594	0.130613	0	0.020455	0	0.024882	0.064008	0.080703	0.021869	0.270985
LOC781797	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781798	1	0	0	0	0	0	0	0	0	0.323635	0.052033	0	0.075134	#DIV/0!
LOC781799	1	1.627293	1.037767	0.083622	1.55946	0.519522	0.20038	0.488176	0.346347	0.989708	0.636495	0.965533	0.532221	0.55122
LOC781804	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781809	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781813	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781828	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781830	1	0.032705	0.018467	0	0.058766	0	0	0	0	0.084537	0	0.021988	0.016907	0.76895
LOC781835	1	0.005793	0	0.012652	0	0	0	0	0	0	0	0.003689	0	0
LOC781840	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781841	1	0	0.112417	0	0	0	0	0	0	0	0	0.022483	0	0
LOC781842	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781843	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781851	1	0.13929	0.026217	0	0.083427	0	0.242983	0	0	0.720077	0.154364	0.049787	0.223485	4.488844
LOC781853	1	0	0	0.135257	0.352393	0	0	0	0	0	0	0.09753	0	0
LOC781856	1	0	0	0	0	0	0	0	0	0	0.103207	0	0.020641	#DIV/0!

LOC781868	2.80E-22	0.302281	0.029684	0.086109	0.031487	0	43.81281	41.24895	32.5399	26.22595	37.86173	0.089912	36.33787	404.1474
LOC781871	1	0.127761	0.057713	0	0.030609	0	0.401169	0.054297	0.132077	0.264191	0.127429	0.043216	0.195833	4.531434
LOC781876	1	0	0.014816	0	0	0	0	0	0	0	0	0.002963	0	0
LOC781895	1	0	0.083501	0	0	0	0	0	0	0	0	0.0167	0	0
LOC781901	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781902	1	0.002195	0.002314	0.003196	0.001753	0.001589	0	0.002799	0.000378	0.011349	0.006082	0.00221	0.004122	1.865466
LOC781906	1	0	0	0	0	0	0	0	0	0.094538	0.334392	0	0.085786	#DIV/0!
LOC781913	7.72E-09	0.054176	0.040787	0.078878	0.064897	0	4.5363	7.904938	9.427596	5.881435	2.761777	0.047748	6.102409	127.8057
LOC781915	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781924	1	0	0.057478	0	0	0	0	0.108153	0	0.263117	0	0.011496	0.074254	6.459355
LOC781927	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781929	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781938	1	0.032549	0	0	0	0	0.08517	0.138331	0.084122	0.925471	1.758497	0.00651	0.598318	91.90986
LOC781943	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781948	1	0	0	0.039064	0	0	0	0	0	0	0	0.007813	0	0
LOC781950	1	0.04828	0	0	0	0	0	0	0	0	0	0.009656	0	0
LOC781951	1	0.016749	0.013697	0.010091	0.003459	0	0	0	0	0.002986	0	0.008799	0.000597	0.067864
LOC781964	3.48E-15	0.045664	0.058935	0.028494	0.0547	0	3.550468	5.752691	5.951356	7.68899	7.731825	0.037559	6.135066	163.3462
LOC781966	0.002962	0	0	0	0	0	2.694053	0.339486	0.917545	0.642375	1.150835	0	1.148859	#DIV/0!
LOC781968	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC781969	1	0.023594	0.079935	0	0.028263	0	0	0.250681	0	0	0.078442	0.026358	0.065825	2.497294
LOC781977	1	0.503468	0.086147	1.182854	1.489477	0.207007	0	0	0	0.039436	0.215573	0.693791	0.051002	0.073512
LOC781979	4.35E-09	0.026649	0.082761	0.04365	0.015961	0	1.638689	3.666648	2.772131	6.474987	4.540701	0.033804	3.818631	112.9629
LOC781982	1	54.81397	25.34025	0	0	178.378	176.8586	29.00322	45.29284	0	0	51.70644	50.23092	0.971464
LOC781988	1	0	0	0	0	0	0	0	0	0.205048	0.016484	0	0.044306	#DIV/0!
LOC781989	1	0.165325	0	0	0	0	0.346079	0.070261	0.170909	0.341867	0.164895	0.033065	0.218802	6.617354
LOC781990	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782002	6.23E-06	0	0	0	0.033379	0	2.041559	2.93096	2.30448	2.520892	0.625328	0.006676	2.084644	312.268
LOC782006	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782009	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782014	7.70E-06	0.016829	0.03801	0.036753	0.020159	0	0.880703	4.57731	3.435942	2.870951	2.098124	0.02235	2.772606	124.0532
LOC782021	1	0.803976	0.072635	0	0	1.919919	32.64997	11.34383	22.85613	0	0	0.559306	13.36999	23.9046
LOC782024	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782026	1	0.074824	0.04225	0	0	0	0	0	0	0.193407	0	0.023415	0.038681	1.652008
LOC782031	1	0.00418	0.001349	0	0.001431	0	0	0	0.001543	0	0.005955	0.001392	0.0015	1.077571
LOC782032	1	0	0	0	0	0.048631	0.797171	0.437926	0.416835	0.185287	0.223426	0.009726	0.412129	42.37321
LOC782033	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782038	1	0.034555	0	0	0	0	0	0.110143	0	0	0	0.006911	0.022029	3.187424
LOC782039	1	0.433882	0.093331	0.045123	0.098999	0	0.216252	0.043904	0	1.815771	1.030366	0.134267	0.621259	4.627045
LOC782043	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782044	3.41E-07	0	0	0	0	0	3.404175	1.999833	2.003047	1.359408	1.265368	0	2.006366	#DIV/0!
LOC782046	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782052	1	0.362166	0.029214	0.169491	0	0	0	0	0	2.407199	0.344023	0.112174	0.550244	4.905273
LOC782054	0.00012	0.299127	0	0.279978	0.153567	1.043655	6.932609	9.62524	7.34422	45.72856	67.73232	0.355265	27.47259	77.32984
LOC782055	1	0.027417	0	0	0	0	0	0.407823	0.708586	0	0	0.005483	0.223282	40.71908

LOC782057	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782058	1.51E-06	0.198175	0.034431	0.099878	0.073044	0	2.872008	8.584198	7.05221	4.886041	4.155921	0.081106	5.510076	67.93708
LOC782061	1	0	0	0.013119	0	0	0	0	0	0	0	0.002624	0	0
LOC782066	1	0.106468	0	0	0	0	0	0	0	0.11008	0	0.021294	0.022016	1.033928
LOC782068	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782072	1	0	0	0	0	0	0.56613	0.063853	0.248515	0.062138	0.019981	0	0.192124	#DIV/0!
LOC782092	2.25E-08	0	0	0	0	0	9.223658	1.812189	2.399967	14.98973	2.96134	0	6.277377	#DIV/0!
LOC782100	1	0.002196	0.003157	0.003489	0.002392	0	0.001045	0	0.002064	0.019613	0.012945	0.002247	0.007133	3.174944
LOC782101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782114	0.090741	0	0	0	0.030402	0	1.859474	0.539303	0.393552	0.656016	0.506272	0.00608	0.790923	130.0774
LOC782120	1.47E-08	0	0	0	0	0	11.64616	5.875208	6.971363	3.486189	5.829245	0	6.761632	#DIV/0!
LOC782136	1	0.139895	0.236976	0	0	0.189814	1.64726	0.148635	0.451938	0	0	0.113337	0.449566	3.966633
LOC782139	1	0.090839	0	0.049597	0	0	0	0.048257	0.117384	2.113212	3.624097	0.028087	1.18059	42.03315
LOC782140	1	0	0	0	0	0	0.21649	0	0.320736	1.069277	1.856701	0	0.692641	#DIV/0!
LOC782142	1	0.003463	0	0.005042	0	0	0.018123	0.026982	0.02685	0.029837	0.074836	0.001701	0.035326	20.76754
LOC782152	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782155	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782157	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782159	1	0	0	0	0.027577	0	0	0	0	0	0.007654	0.005515	0.001531	0.277543
LOC782165	1	0.031301	0	0	0.149983	0	0.491433	0.133028	0.323587	1.456355	0.208134	0.036257	0.522507	14.41123
LOC782168	1	0.003897	0.0022	0	0	0	0	0.00138	0	0	0.004319	0.001219	0.00114	0.934636
LOC782172	1	0.117933	0	0	0.070636	0	0	0	0	0	0	0.037714	0	0
LOC782177	9.32E-15	0.048601	0.023522	0.030327	0.008317	0	3.05215	7.450556	4.970447	10.73198	4.4089	0.022153	6.122807	276.3819
LOC782179	1	0	0.121718	0	0.064555	0	0	0	0	0	0	0.037255	0	0
LOC782190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782191	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782196	1	0.002279	0.001544	0.01095	0.01092	0.001237	0	0.002906	0.007068	0.040058	0.011365	0.005386	0.012279	2.279848
LOC782202	1	0.592365	0.86636	0.487789	0.337346	0.6061	0	0	0.050195	0.301211	0.129142	0.577992	0.09611	0.166282
LOC782206	1	0.262211	0.074029	0	0	0	0	0	0	0	0.163456	0.067248	0.032691	0.486128
LOC782216	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782217	6.15E-08	0.010683	0.006032	0.029164	0	0	0.223633	2.474413	1.477127	1.988198	1.40739	0.009176	1.514152	165.0135
LOC782219	1.99E-08	0.053762	0	0	0.042934	0	13.88015	5.559761	4.35361	1.760226	7.715652	0.019339	6.653881	344.061
LOC782220	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782221	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782222	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782226	0.000417	0.05135	0.055881	0.112146	0.073814	0.032936	0	0	0	0	0	0.065225	0	0
LOC782232	1	0.03194	0	0	0	0	0	0	0	0	0	0.006388	0	0
LOC782233	1	0	0	6.612898	6.519684	0	31.89297	24.0265	23.27848	34.67513	68.81163	2.626516	36.53694	13.9108
LOC782238	1	2.827605	0.709607	0	0	2.084076	0.182689	0	0.180439	0	0	1.124258	0.072626	0.064599
LOC782248	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782249	1	0	0	0	0	0.052259	0.025195	0.040921	0	0.024889	0.008003	0.010452	0.019802	1.894583
LOC782251	1	0.13394	0.189074	0	0	0.090867	0.679046	0.560337	1.08175	0.129829	0.201779	0.082776	0.530548	6.409431
LOC782254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782255	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782256	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782257	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC782258	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782261	1	0.182465	0	0.056928	0.015612	0	0	0	0	0	0	0.051001	0	0
LOC782262	1	0	0	0.02969	0	0	0	0	0	0	0	0.005938	0	0
LOC782264	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782266	1	0.158355	0	0.069168	0.151754	0	0	0.067299	0	0.65491	0.473829	0.075855	0.239208	3.153471
LOC782275	1	0.089362	0.016819	0.065054	2.105238	0.363748	0	0	0	0	0	0.528044	0	0
LOC782284	2.47E-10	0	0	0	0.017319	0	2.723875	2.28882	2.092482	2.018044	1.369935	0.003464	2.098631	605.8722
LOC782288	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782293	1	0.17086	0.115772	0.164186	0.212858	0	0.214599	0.334022	0.335598	0.459307	0.034083	0.132735	0.275522	2.075727
LOC782296	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782297	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782298	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782300	1	0.040476	0	0	0.048486	0	0	0	0	0	0	0.017792	0	0
LOC782301	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782305	1	0.378986	0.142664	0.183931	0	0.68563	0.220373	0	0	0.870766	0.07	0.278242	0.232228	0.834625
LOC782308	1	0.097373	0.082473	0.10633	0.043741	0	1.082871	0.439691	0.440398	0.503385	0.789101	0.065983	0.651089	9.867459
LOC782329	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782336	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782337	1	0	0	0	0	0	0.073513	0.328342	0.399341	0.072618	0.256859	0	0.226135	#DIV/0!
LOC782338	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782339	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782340	1	0	0	0	0.04504	0	0	0	0	0	0	0.009008	0	0
LOC782341	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782343	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782346	0.037554	0.064428	0	0	0	0	0.505762	0.684536	0.666046	4.829538	11.24566	0.012886	3.586308	278.3173
LOC782348	3.76E-06	2.107149	3.563504	2.392546	2.988783	7.140524	0	0	0	0.54195	0.087134	3.638501	0.125817	0.034579
LOC782362	1	0.011822	0.006676	0.003038	0.005415	0	0	0	0.001797	0.010785	0.005202	0.00539	0.003557	0.659914
LOC782366	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782367	1	0.261148	0.098305	0.403988	0.351931	0.088584	0	0	0	0.056252	0.036176	0.240791	0.018486	0.07677
LOC782370	1	0	0	0	0	0	0	0	0	0.07251	0	0	0.014502	#DIV/0!
LOC782372	3.82E-10	0.322572	0.364283	0.078276	0.214671	0	31.13656	9.824784	13.70924	40.39255	79.12267	0.19596	34.83716	177.7765
LOC782373	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782374	1	0.051991	0.009033	0.017469	0	0	0.04186	0	0.05168	0.103376	0.066482	0.015699	0.05268	3.355682
LOC782375	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782379	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782385	0.003591	0	0	0	0	0	0.783159	0.450494	1.418112	0.322345	0.373148	0	0.669452	#DIV/0!
LOC782389	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782392	1	0.009691	0	0	0	0	0.152146	0.648666	0.701273	0	0	0.001938	0.300417	155.0003
LOC782401	1	0.031197	0	0.068134	0	0	0	0.132586	0.080628	0	0	0.019866	0.042643	2.146491
LOC782402	1.43E-11	0.139324	0.125872	0.182567	0.033379	0.453696	43.60188	12.19753	26.71757	13.97294	36.59328	0.186967	26.61664	142.3598
LOC782417	1	0	0	0	0.003617	0	0.015802	0	0	0	0.020077	0.000723	0.007176	9.919629
LOC782418	1	0	0	0.027658	0.030341	0	0.72903	0.834229	0.03273	0.327344	0.126312	0.0116	0.409929	35.33964
LOC782424	2.88E-11	0.111601	0	0	0	0	7.759461	6.402965	10.13614	8.159546	22.97777	0.02232	11.08718	496.7322
LOC782428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782430	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC782437	1	0.424806	0.050498	0.097659	0.080348	0.364037	0.585039	0.14253	0.404484	0.92467	0.148667	0.20347	0.441078	2.167784
LOC782439	1.13E-29	0.109446	0	0	0	0	171.2568	50.60649	78.97344	32.36345	57.23683	0.021889	78.0874	3567.404
LOC782443	1	0.069473	0.052304	0	0	0	4.484094	6.593994	7.21189	0	0	0.024355	3.657996	150.1921
LOC782447	1	0	0	0	0.040609	0	0	0.072037	0	0.52576	0.225416	0.008122	0.164643	20.27158
LOC782448	1	0	0	0	0	0	1.263684	0.684144	0.554721	0.277401	0.0892	0	0.57383	#DIV/0!
LOC782455	1	0	0	0	0	0.055791	0.053797	0	0	0	0	0.011158	0.010759	0.964252
LOC782456	0.003085	1.665676	1.53591	1.179216	1.15935	1.46523	0.10663	0.064945	0.171141	0.078999	0.101611	1.401077	0.104665	0.074703
LOC782462	1	0	0	0	0	0	0	0.006626	0.004029	0.01612	0.010367	0	0.007428	#DIV/0!
LOC782464	1	0	0	0	0.017562	0	0	0	0	0.075793	0.073115	0.003512	0.029782	8.478747
LOC782470	1	0.061577	0.02318	0	0.024587	0	0	0	0	0.424439	0.307083	0.021869	0.146304	6.690111
LOC782474	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782475	1	0	0.069691	0	0	0	0	0	0	0	0	0.013938	0	0
LOC782479	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782491	1	0.049637	0.26499	0.453332	0.486491	0.048981	0	0	0	0.233278	0.015002	0.260686	0.049656	0.190482
LOC782496	1	0.022091	0.01782	0	0.011341	0.008564	0.181676	0.107299	0.114188	0.19578	0.073447	0.011963	0.134478	11.24078
LOC782513	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782521	1	0.069623	0	0	0	0	1.275265	0.073973	0.089969	0	0	0.013925	0.287841	20.67134
LOC782522	1	0.047607	0	0	0.028514	0	0	0	0	0.123055	0	0.015224	0.024611	1.616576
LOC782525	2.15E-08	0.222027	0.029498	0.82718	2.205944	0.035442	109.8376	40.04719	79.45669	52.12361	83.73845	0.664018	73.0407	109.998
LOC782527	1	0.191057	0.043152	0	0.06866	0	0	0	0	0	0	0.060574	0	0
LOC782529	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782531	0.003618	0	0	0.189673	0	0	3.976911	1.291833	2.13231	1.908134	3.681444	0.037935	2.598126	68.48976
LOC782543	1	0.005185	0.002927	0.016984	0	0	0	0	0.0067	0.120609	0.155131	0.005019	0.056488	11.25432
LOC782544	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782545	1	0.011441	0	0	0.013705	0	0	0	0	0.118295	0.038038	0.005029	0.031267	6.216835
LOC782550	1	0.001606	0.003022	0.002338	0.002565	0	0.002801	0.001137	0.002767	0.035972	0.016016	0.001906	0.011739	6.158278
LOC782554	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782555	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782558	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782560	0.032105	0	0.009002	0.034819	0.038196	0	0.292023	0.677562	0.638659	0.824197	0.344534	0.016403	0.555395	33.85841
LOC782565	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782566	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782591	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782594	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782598	1	0.006106	0	0	0	0	0.335503	0.168664	1.475395	0	0	0.001221	0.395912	324.2197
LOC782601	1	0.016424	0	0.035869	0	0	0.085952	0.0349	0	0.084906	0.054604	0.010459	0.052073	4.978888
LOC782604	0.000181	0.03112	0.005021	0.029128	0.010651	0	0.255924	0.056681	0.201069	26.46456	16.87562	0.015184	8.770772	577.6386
LOC782609	1.99E-17	0.066223	0.134615	0.086777	0.11106	0.179708	16.84317	12.21457	13.41815	15.20032	17.94385	0.115677	15.12401	130.744
LOC782610	1	0	0	0	0	0	0	0	0	0	0.245827	0	0.049165	#DIV/0!
LOC782615	1	0.10671	0	0	0	0	0.418835	0	0	0.827475	0.044347	0.021342	0.258131	12.09504
LOC782622	1.43E-09	0.409441	0.703628	0	0	0	41.17785	37.86572	38.83049	53.83683	49.38989	0.222614	44.22016	198.6407
LOC782624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782626	1	0.007138	0	0	0	0	0	0	0	0	0	0.001428	0	0
LOC782628	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782630	1	0	0	0	0	0	0.095239	0	0.094066	0	0	0	0.037861	#DIV/0!
LOC782631	1	0.159385	0.029999	0.464121	0.190926	0.504605	0.556076	1.185399	1.51038	0.549309	0.132476	0.269807	0.786728	2.915887

LOC782638	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782639	0.004651	0.241944	0.068307	0	0	0	303.2479	142.7963	299.9828	0	0	0.06205	149.2054	2404.593
LOC782641	1	0.052461	0	0.229144	0.125684	0.569443	1.098173	0.222952	0	0.271202	0.087207	0.195346	0.335907	1.719546
LOC782645	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782658	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782659	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782660	1	0	0	0	0.023832	0	0	0	0	0	0	0.004766	0	0
LOC782666	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782668	0.000244	1.438449	0.938062	2.389323	2.912298	1.979229	22.90171	7.318697	10.15792	70.06845	67.86244	1.931472	35.66184	18.46356
LOC782673	1	0.226731	0.355623	0.192567	0.226333	0.034182	0.13184	0.267662	0.260433	0.520941	0.523476	0.207087	0.34087	1.646023
LOC782675	0.006584	0.068599	0.008608	0.083232	0.00913	0	1.715227	1.230942	1.378924	0.985089	0.747559	0.033914	1.211548	35.72431
LOC782677	1	0.020879	0	0	0	0	0	0.022184	0.026981	1.780979	5.588032	0.004176	1.483635	355.2894
LOC782678	1	0	0	0	0.043898	0	0	0	0	0	0	0.00878	0	0
LOC782682	1	0	0	0	0	0	0	0	0	0.097383	0.187884	0	0.057053	#DIV/0!
LOC782688	3.66E-07	1.449328	1.186633	0.342905	0.274889	1.147125	16.24414	20.73698	24.97138	13.54894	21.04093	0.880176	19.30847	21.93706
LOC782692	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782694	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782697	1	0	0	0	0.016518	0	0	0	0	0	0	0.003304	0	0
LOC782698	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782699	1	0	0.062882	0	0	0	0	0	0	0	0	0.012576	0	0
LOC782705	1	2.066356	0.596351	2.557276	3.080342	2.118355	3.604639	0.731817	0.296688	4.391618	2.060984	2.083736	2.217149	1.064026
LOC782706	9.56E-08	0.098951	0.022349	0.043221	0.023707	0	5.074856	2.544215	1.329811	10.48658	7.204636	0.037646	5.328019	141.5313
LOC782715	1	0.015997	0.018066	0	0.019163	0	0	0	0	0.0827	0.026593	0.010645	0.021859	2.05337
LOC782718	1	0	0	0.042548	0	0	0	0	0	0	0	0.00851	0	0
LOC782731	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782732	1	0.04316	0.059186	0.003366	0.001846	0.012549	0	0.009826	0.003984	0	0.030749	0.024022	0.008912	0.37099
LOC782735	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782738	1.64E-23	0.18549	0	0.050638	0.111099	0	105.3243	22.17135	38.29118	43.99032	57.50663	0.069445	53.45676	769.767
LOC782740	3.45E-07	0.212728	0.068639	0.464591	0.182019	0.082468	152.9961	67.15981	117.8895	6.44127	0.555697	0.202089	69.00848	341.476
LOC782748	1	0.033329	0	0.036395	0.059887	0	0.348843	0.318701	0.55989	0.947643	0.360125	0.025922	0.50704	19.56017
LOC782754	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782755	1	0	0.02207	0	0	0	0.068183	0.041528	0.08418	0.269415	0.465648	0.004414	0.185791	42.0911
LOC782769	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782775	1	0	0	0	0	0	0.170636	0.069285	0.421338	0.252839	1.192434	0	0.421307	#DIV/0!
LOC782776	1.22E-05	0.767872	0.192703	0.186334	0.332161	8.827011	473.7398	143.8607	299.0565	119.199	190.228	2.061216	245.2168	118.9671
LOC782779	0.00482	0.166089	0.072141	0.251123	0.290784	0	1.805262	6.569958	2.806626	3.038202	5.479444	0.156027	3.939898	25.25133
LOC782781	1	0.050828	0	0	0	0	0	0	0	0	0	0.010166	0	0
LOC782784	1.46E-10	0.101991	0.016454	0	0.05236	0	10.67503	3.312802	4.40571	20.03571	13.36966	0.034161	10.35978	303.2629
LOC782787	1	0.00557	0	0	0	0	0.058296	0	0	0.057586	0.074069	0.001114	0.03799	34.1046
LOC782791	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782792	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782797	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782799	1	0.017944	0.027864	0.044088	0.037617	0.012174	0.011739	0	0.011594	0	0.003729	0.027937	0.005412	0.193727
LOC782805	1	0.181946	0.273964	0.044151	0.048434	0.219441	0.211596	0	0	0.104511	0	0.153587	0.063221	0.411632
LOC782807	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782812	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC782823	1	0.0277	0	0.030248	0.033182	0	0	0.029431	0	0.358003	0.115118	0.018226	0.10051	5.514619
LOC782824	1	0	0	0.063493	0.034826	0	0	0	0	0.601179	0	0.019664	0.120236	6.11456
LOC782828	1	0.023215	0	0	0	0	0	0	0	0.120013	0.115773	0.004643	0.047157	10.15664
LOC782830	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782835	0.601938	0.051935	0.05865	0	0	0	27.94354	6.780156	8.003001	0	0	0.022117	8.545338	386.3703
LOC782838	1	0.037487	0	0	0	0	1.569445	1.672808	0.484412	0	0	0.007497	0.745333	99.41278
LOC782839	1	0.030907	0	0	0.012341	0.055913	0	0	0	0	0.222634	0.019832	0.044527	2.245175
LOC782840	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782841	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782844	1	0.002597	0	0	0	0	0	0	0.013423	0.013425	0.006475	0.000519	0.006665	12.83202
LOC782845	1	0.303461	0	0	0	0.731995	0.176457	0.214947	0.522852	0	0	0.207091	0.182851	0.88295
LOC782855	1	1.210323	0.801242	10.48205	9.148984	106.687	364.0969	92.2328	184.4448	81.12439	103.2344	25.66592	165.0267	6.429797
LOC782858	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782862	1	0.047259	0	0.103213	0.011322	0	0	0	0	0	0.047137	0.032359	0.009427	0.291336
LOC782865	1	0.066666	0.150574	0.519989	0.114085	0.258444	0	0	0	0	0	0.221951	0	0
LOC782866	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782884	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782889	0.001119	0.077129	0.043551	0.336893	0.138588	0.104651	1.816383	5.326586	7.126233	6.479336	1.698834	0.140162	4.489475	32.03051
LOC782892	1	0	0	0.087549	0	0	0	0	0	0	0	0.01751	0	0
LOC782895	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782904	1	0.023272	0.026282	0	0	0	0	0	0	0	0	0.009911	0	0
LOC782905	1	0.015638	0.005887	0	0	0	0.054558	0.055382	0.053886	0.18863	0.03466	0.004305	0.077423	17.9851
LOC782908	1	0.024925	0	0	0	0	0.26088	0.13241	0.354293	0.322131	0.207167	0.004985	0.255376	51.22923
LOC782910	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782913	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782921	1	0.307547	0.370469	0.537337	1.056105	1.39097	2.467893	0.522818	0.529892	0.529969	0.238581	0.732486	0.857831	1.171123
LOC782922	1	0.014469	0	0	0	0	0	0	0	0	0	0.002894	0	0
LOC782924	1.70E-36	0.27165	0	0.188769	0.192286	0	182.809	87.872	196.0034	139.348	121.9246	0.130541	145.5914	1115.293
LOC782926	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782938	1	0.552054	0.486282	1.085098	1.468091	0.209733	0.577816	0.187694	0.17121	1.08449	0.532265	0.760252	0.510695	0.671745
LOC782941	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782950	1	0.103192	0.116535	0	0	0.210021	9.990661	10.58012	13.00128	0	0	0.08595	6.714412	78.12039
LOC782951	1	0.26238	0.187141	0.331753	0.198507	0.112423	0.289078	0.205411	0.142759	0.35695	0.022956	0.218441	0.203431	0.931285
LOC782954	2.53E-38	0.197832	0.208519	0.37445	0.26858	0.214741	217.7626	81.13405	183.1428	55.36332	145.1383	0.252824	136.5082	539.9329
LOC782955	1	0.119623	0	0	0	0	0	0	0	0.412273	0	0.023925	0.082455	3.446425
LOC782957	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782958	1.35E-16	0.489772	0.117002	0.226271	0.090261	0.025559	11.63271	40.46882	25.31577	34.5221	19.86875	0.189773	26.36163	138.9113
LOC782960	1	0.025891	0.055453	0.011699	0.005347	0.019382	0	0	0.002307	0	0.001484	0.023555	0.000758	0.032193
LOC782961	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782963	1	0.038407	0	0	0	0	0	0	0	0	0	0.007681	0	0
LOC782966	0.017281	9.583989	20.09387	14.16782	8.746363	0.507116	112.048	132.4892	90.24571	70.04031	45.19923	10.61983	90.00448	8.475133
LOC782968	1	0.028938	0.06536	0	0	0	0	0	0	0	0	0.01886	0	0
LOC782977	1	0.008192	0.012335	0.125233	0.075232	0.074099	0	0	0	0	0	0.059018	0	0
LOC782987	1	0.214027	0	0	0	0	0.280019	0	0.069143	0	0	0.042805	0.069832	1.631387
LOC782989	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC782999	1	0.000837	0.000945	0.007309	0.002004	0	0.013136	0.021335	0.015136	0.012976	0.006954	0.002219	0.013907	6.26736

LOC783002	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783012	1	0	0.464438	0	0	0	0	0	0	0	0	0.092888	0	0
LOC783013	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783021	1	0	0	0	0	0	0.696486	0.781866	0.606979	0	0	0	0.417066	#DIV/0!
LOC783022	0.348243	0.073795	0	0	0	0	15.25468	10.03591	17.16476	0	0	0.014759	8.49107	575.3131
LOC783026	1	0.080518	0.181859	0.175849	0	0.054625	0.105345	0.213872	0.052024	0.208125	0.602317	0.09857	0.236336	2.397643
LOC783033	1	0.415302	0.260557	0	0	3.631422	49.74698	22.69975	33.27306	0	0	0.861456	21.14396	24.54443
LOC783041	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783043	1.81E-07	0	0	0.028504	0.015634	0	1.024529	1.941341	1.619062	4.520538	5.358834	0.008828	2.892861	327.7083
LOC783045	1	0.418738	0.484142	0.91995	0.582218	0.439646	1.160916	0.820943	1.52668	0.914853	1.342443	0.568939	1.153167	2.026874
LOC783060	0.18601	0.018669	0	0	0	0	6.057419	4.324074	4.631868	0	0	0.003734	3.002672	804.1924
LOC783064	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783067	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783070	1	0.946773	0.458227	0	0	2.778963	2.932416	0.862219	2.746498	0	0	0.836793	1.308227	1.563382
LOC783071	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783078	0.000105	0.011233	0	0.049063	0.013455	0	1.763514	1.384383	1.857918	0.696821	1.13901	0.01475	1.368329	92.76674
LOC783088	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783093	1	0	0	0	0	0	0	0	0	0.041616	0.026764	0	0.013676	#DIV/0!
LOC783100	1	0.002122	0.002397	0	0	0	0	0	0	0	0	0.000904	0	0
LOC783106	1	0.077983	0.205489	3.576543	0.18683	0	9.114458	28.75064	20.08705	7.122199	8.253338	0.809369	14.66554	18.11972
LOC783113	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783117	1	0	0.113419	0	0	0	0	0	0	0	0	0.022684	0	0
LOC783124	1	0.004156	0	0.018155	0	0	0	0	0	0.021487	0.044911	0.004462	0.01328	2.975976
LOC783125	1	0	0	0	0	0	0	0	0	0.192258	0.030911	0	0.044634	#DIV/0!
LOC783135	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783142	3.10E-13	0.259943	0.17124	0.37847	0.155692	0.235133	28.45434	10.49495	17.52299	20.94106	19.84114	0.240096	19.45089	81.01306
LOC783144	1	0.444054	0.029498	0.342281	0.18774	0	0.136699	0.166516	0.135016	1.350353	2.214499	0.200715	0.800616	3.988827
LOC783146	1	0.280312	0.035173	0	0.111928	0.084519	0.814979	0.330916	0.402472	3.864293	0.310648	0.102386	1.144661	11.17982
LOC783148	0.00384	0.17321	0.195607	0.108081	0.177846	0	26.54642	3.785779	6.522909	3.709645	0.781531	0.130949	8.269257	63.14886
LOC783151	1	0	0	0	0.006359	0	0	0.01128	0	0	0	0.001272	0.002256	1.773905
LOC783160	1	0	0	0	0	0	0	0	0	0	0.222735	0	0.044547	#DIV/0!
LOC783163	1	0.083175	0.055958	0.081715	0.08419	0.135838	0.072768	0.172982	0.376346	0.079724	0.006724	0.088175	0.141709	1.607125
LOC783164	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783185	1	0.153105	0.144085	0.947397	0.978152	0.346231	0.534166	6.886372	6.199162	3.825571	5.726511	0.513794	4.634356	9.019873
LOC783190	1	0.061779	0	0	0	0	0	0	0	0	0	0.012356	0	0
LOC783195	1	0	0	0.061959	0	0	1.48469	1.024839	0.879845	0.146662	0.04716	0.012392	0.716639	57.83195
LOC783197	1	0.212935	0.048094	0.372034	0.204059	0	0	0	0	0.440319	0	0.167424	0.088064	0.525992
LOC783201	1	0.038531	0.012432	0	0	0	0	0	0	0.056911	0.00915	0.010193	0.013212	1.296265
LOC783202	4.73E-16	0.377885	0.170699	1.320457	1.176932	0.615273	183.3231	92.10254	46.68253	46.88468	135.308	0.732249	100.8602	137.7402
LOC783203	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783205	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783210	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783211	1	0.226907	0.039423	0.076239	0.167268	0.047365	0	0	0	0	0	0.11144	0	0
LOC783220	1	0.171851	0	0	0	0.799453	1.284791	0	0	0	0	0.194261	0.256958	1.322748
LOC783224	8.43E-08	0.053456	0.005031	0.087559	0.032017	0	13.7312	3.682253	2.774593	2.34896	1.762424	0.035613	4.859887	136.4651
LOC783225	0.285426	0.009363	0	0	0	0	0.097999	0.092018	0.093767	0.072604	0.056421	0.001873	0.082562	44.08968

LOC783227	1	0.021737	0	0	0	0	0	0	0	0	0	0.004347	0	0
LOC783228	1	0	0	0.204518	0.079705	0	0	0.005237	0	0	0.004097	0.056845	0.001867	0.032838
LOC783229	1	0.347794	0.207935	0	0.098028	0	0	0.043473	0	0.528815	0.136035	0.130751	0.141665	1.083465
LOC783231	1	0.010726	0	0	0.006424	0	0	0	0	0	0.071319	0.00343	0.014264	4.158571
LOC783248	1	0.015402	0.020872	0.013455	0.02214	0	0.064482	0.078547	0.151259	0.509577	0.230425	0.014374	0.206858	14.39153
LOC783253	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783255	1	0.219232	0.24758	0	0	2.181387	1.65723	0.621143	0.692502	0	0	0.52964	0.594175	1.121847
LOC783260	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783261	1	0.342806	0.110609	0	0	1.794079	109.1787	33.14428	46.19664	0	0	0.449499	37.70394	83.87992
LOC783267	1	0	0	0	0	0	0	0	0	0	0.105473	0	0.021095	#DIV/0!
LOC783279	1	0.093379	0.026363	0	0	0.06335	0	0	0	0.181026	0	0.036619	0.036205	0.988714
LOC783281	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783289	1	0.01297	0	0.084979	0	0	0	0	0	0.469359	0.625264	0.01959	0.218925	11.17538
LOC783293	0.173298	0.06943	0.117612	0	0.041585	0	1.271729	0.737679	1.525227	1.435717	4.732065	0.045725	1.940484	42.43772
LOC783294	1	0.088339	0	0	0	0	4.068303	5.068332	4.74879	0	0	0.017668	2.777085	157.1833
LOC783297	1	0	0.058833	0	0	0	0	0	0	0	0	0.011767	0	0
LOC783299	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783300	1	0.092829	0.077699	0	0	0.029636	0	0.03481	0.090319	0	0	0.040033	0.025026	0.625134
LOC783301	2.60E-09	0.031191	0.013209	0.01703	0.016347	0	1.24465	1.006617	1.788565	0.675218	1.348096	0.015555	1.212629	77.95593
LOC783311	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783313	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783316	1	0	0.003597	0.003478	0	0	0	0	0.004115	0.057625	0.034413	0.001415	0.019231	13.59173
LOC783321	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783322	1	0	0	0	0	0	0.437607	0.071075	0.043222	0.259369	0.055601	0	0.173375	#DIV/0!
LOC783323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783325	0.000286	0	0	0	0	0	0.385186	0.573472	0.855996	1.775656	0.693327	0	0.856727	#DIV/0!
LOC783328	1	0	0	0	0	0	0	0	0	0	0.059073	0	0.011815	#DIV/0!
LOC783329	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783337	0.587495	0	0	0	0.085705	0	0.561637	0.532112	0.277361	7.582295	2.794941	0.017141	2.349669	137.0793
LOC783339	1	0.029371	0.004738	0	0	0	0	0	0	0	0	0.006822	0	0
LOC783349	0.495011	3.74942	2.098048	1.106566	1.658988	1.283295	19.44517	5.526886	8.467981	64.43587	16.22771	1.979263	22.82072	11.52991
LOC783362	1	0.177345	0.040055	0.232389	0.042488	0.192503	0	0	0	0	0	0.136956	0	0
LOC783367	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783370	1	0	0	0.025908	0.009474	0	0	0	0	0	0	0.007076	0	0
LOC783376	1	4.125932	0.076384	0	0	0.91774	0	0.047909	0.174807	0	0	1.024011	0.044543	0.043499
LOC783378	1	0.966458	3.043401	0.081181	0.189242	0.100871	1.556243	1.95494	1.320928	5.620768	2.811507	0.876231	2.652877	3.027602
LOC783380	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783382	1	0.089646	0	0	0	0	0	0	0	0	0	0.017929	0	0
LOC783384	1	0.045474	0	0	0	0	0	0	0	0	0	0.009095	0	0
LOC783390	0.003005	14.19109	10.33896	8.395545	9.173241	14.62781	45.00134	49.09009	53.43458	62.43103	54.67833	11.34533	52.92707	4.665099
LOC783392	1	0.035536	0	0	0	0	0	0.037756	0	0.183709	0.974705	0.007107	0.239234	33.66062
LOC783396	1	0.164227	0.109376	0.303487	0.398498	0.171407	0	0	0	0.217691	0.014	0.229399	0.046338	0.201999
LOC783399	1	0	0.233583	0.135518	0	1.68387	0	0	0.160368	0	0	0.410594	0.032074	0.078115
LOC783421	1	0.576261	0.961373	0.257427	0.45497	0	4.180946	4.035371	6.295739	0.406236	1.63285	0.450006	3.310228	7.35596
LOC783427	0.000445	0.002787	0	0.012175	0.013356	0	0.364672	0.811436	0.605106	0.259369	0.129736	0.005664	0.434064	76.64192
LOC783431	1	0.198215	0	0	0.05936	0	0	0	0	1.793226	0.247125	0.051515	0.40807	7.921375

LOC783434	1	0.003007	0.003396	0.001728	0.001896	0.000859	0.000828	0.001682	0.002045	0.009001	0.007368	0.002177	0.004185	1.921868
LOC783446	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783459	1	0	0	0	0	0	0.262097	0	0	0.517815	0	0	0.155983	#DIV/0!
LOC783461	1	0.253796	0	0.27714	0.10134	0.114786	0.221366	0.269652	0.32796	2.405392	0.070316	0.149412	0.658937	4.410189
LOC783462	1	0.086052	0.072884	0	0.077311	0	0	0.045714	0.055599	1.000932	0.464904	0.04725	0.31343	6.633503
LOC783463	2.44E-13	0.334974	0.050438	0.097543	0.267509	0.060601	143.6315	35.49525	61.92794	12.81454	11.24814	0.162213	53.02348	326.8757
LOC783466	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783471	1	0	0	0	0.046531	0	0	0	0	0.050202	0	0.009306	0.01004	1.078902
LOC783472	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783477	1	0	0	0	0	0	0.293685	0.019875	0.072517	0	0.062191	0	0.089654	#DIV/0!
LOC783478	1	0	0	0	0	0	0	0.025131	0.061131	0.3057	0.3932	0	0.157033	#DIV/0!
LOC783488	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783491	1	0	0.046923	0	0	0	0	0	0	0	0	0.009385	0	0
LOC783492	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783497	4.37E-07	0	0.020238	0.117414	0.107335	0	3.470039	3.122606	7.641975	5.280678	5.630341	0.048998	5.029127	102.6405
LOC783502	5.34E-16	0.153392	0.476371	1.612193	0.252652	0.286175	36.17385	71.44402	51.66002	24.58235	43.73044	0.556157	45.51813	81.8441
LOC783504	1	15.21441	3.256386	0.745758	1.408934	0	107.8173	22.33259	30.49567	10.98396	3.973466	4.125098	35.1206	8.513883
LOC783509	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783514	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783518	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783528	0.008422	0.051953	0.293352	0	0.062234	0	2.039139	1.435158	3.423851	11.28021	7.038554	0.081508	5.043382	61.87614
LOC783529	1	0	0	0.184552	0	0	0	0	0	0	0	0.03691	0	0
LOC783533	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783535	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783539	1	0.160913	0.02596	0	0	0.935712	1.203017	0.244238	0.594102	0	0	0.224517	0.408271	1.818442
LOC783540	1	2.121311	2.702282	1.779224	1.423773	2.253488	3.686774	8.279409	9.31704	10.27465	8.420003	2.056016	7.995575	3.888869
LOC783541	1	0.286003	0.807463	0	0.114201	0	0	0	0	0	0	0.241533	0	0
LOC783542	1	0.347794	0.043641	0.084397	0.092582	0	0.404471	0.246348	0	1.997744	0.770866	0.113683	0.683886	6.015743
LOC783558	1	0.022862	0.283996	0.099858	0.054772	0	0	0	0	0	0	0.092298	0	0
LOC783561	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783562	1	0	0	0.084629	0	0	0	0	0	0	0	0.016926	0	0
LOC783563	1	0.022779	0.025724	0	0	0.030907	0	0	0	0	0	0.015882	0	0
LOC783565	5.88E-19	0.026517	0.02246	0.014478	0.031765	0	5.412176	4.071138	7.829834	8.910516	7.714106	0.019044	6.787554	356.4142
LOC783567	1	0	0	0	0	0	0	0.060043	0.073026	0	0	0	0.026614	#DIV/0!
LOC783570	1	0	0	0	0	0.45949	0	0.059968	0.036467	0	0	0.091898	0.019287	0.209874
LOC783574	0.001818	0.042395	0	0	0.012696	0	5.934907	0.292782	0.547834	3.232692	0.845691	0.011018	2.170781	197.0182
LOC783577	3.52E-17	0.877461	0.590917	0.404365	0.289295	0	44.40376	62.06076	67.15861	60.42657	124.6261	0.432408	71.73516	165.8971
LOC783578	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783582	1	0	0	0	0	0	0	0	0	0.07603	0	0	0.015206	#DIV/0!
LOC783583	1	0.008952	0.005055	0.01955	0	0	0.070272	0	0	0.023139	0.014881	0.006711	0.021658	3.227098
LOC783590	1	0	0.058752	0	0	0	0	0	0	0	0	0.01175	0	0
LOC783592	1	0.020984	0.023698	0	0	0	0.439269	0	0.054233	1.084808	0.313945	0.008936	0.378451	42.34955
LOC783597	1	0.03446	0.038916	0	0.04128	0.023379	0	0	0	0	0	0.027607	0	0
LOC783598	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783600	1	0	0	0	0.021244	0	0	0	0	0	0	0.004249	0	0
LOC783601	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC783604	1	0.860371	1.190455	0.135425	0.427109	0.336542	0.20282	0.032941	0.080129	0.320562	0.077309	0.58998	0.142752	0.241961
LOC783610	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783612	0.111994	2.594044	1.269437	3.965704	5.220415	0.140788	10.58888	11.24492	8.313158	49.88621	220.5242	2.638077	60.11148	22.78609
LOC783616	1	0.037788	0	0	0	0	0	0	0	0	0	0.007558	0	0
LOC783617	1	0.263823	0.567942	0.378117	0.276528	0	0.129438	0.157672	0.298303	0.98028	0.630432	0.297282	0.439225	1.47747
LOC783641	1.05E-14	0.406242	0.03529	0.136495	0.074867	0.084801	154.0531	24.90126	37.8775	28.75555	33.5577	0.147539	55.82901	378.402
LOC783647	1	0	0	0	0	0	0	0	0.08199	0	0	0	0.016398	#DIV/0!
LOC783649	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783653	1	0	0.588289	0.658662	0.394117	0	2.726195	2.854763	0.779444	0.566951	0.045577	0.328214	1.394586	4.24902
LOC783655	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783657	1	0.809402	0.89857	0.599221	0.723075	0.37228	0.358972	0.320667	0.212731	0.567365	0.296465	0.68051	0.35124	0.516142
LOC783671	1	0	0.090061	0	0	0	0	0	0	0	0	0.018012	0	0
LOC783673	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783680	1	24.35132	21.2312	22.13466	17.1222	114.7896	27.12748	19.72816	13.84661	23.49767	12.95746	39.9258	19.43148	0.48669
LOC783686	1.03E-10	0.24109	0.136132	0.052653	0.05776	0.130848	23.34147	15.06172	14.3932	10.96785	7.815042	0.123696	14.31585	115.7338
LOC783687	1	0	0	0.056497	0.030988	0	0	0	0	0.936133	0.344023	0.017497	0.256031	14.63284
LOC783688	1	0.136093	0	0	0	0.123104	7.597024	6.45861	2.110353	0	0	0.05184	3.233197	62.36937
LOC783695	1	0	0	0.030518	0	0	0	0	0	0.07224	0	0.006104	0.014448	2.367093
LOC783699	1	0.001633	0.002253	0.001188	0.00239	0.000985	0	0.000385	0	0.000938	0.000603	0.00169	0.000385	0.227987
LOC783707	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783708	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783716	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783719	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783726	1	0.075577	0.042675	0	0	28.8153	146.9354	40.95231	54.7885	0	0	5.78671	48.53523	8.387362
LOC783728	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783730	1	3.854186	3.694437	6.479367	10.70932	24.65591	0.901075	0.309586	0.3423	3.355026	15.12567	9.878644	4.006732	0.405595
LOC783731	1	0	0	0	0	0	0	0	0	0.2006	0.129009	0	0.065922	#DIV/0!
LOC783735	1	0.033507	0.13244	0.073179	0.120415	0	0	0.249205	0	0	0	0.071908	0.049841	0.69312
LOC783737	1	0	0	0	0	0	0	0.018124	0	0.132276	0.028356	0	0.035751	#DIV/0!
LOC783740	1	0.075628	0.056938	0.660672	0.845544	0	0	0	0	0	0.041906	0.327756	0.008381	0.025572
LOC783750	0.00412	0.011622	0	0	0	0	7.724249	1.82749	1.171403	0.240323	0.057958	0.002324	2.204284	948.3377
LOC783772	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783776	0.004392	0.870018	0.495318	0.204141	0.223941	0.253655	16.7072	4.35448	2.192763	3.75426	9.036136	0.409415	7.208968	17.60798
LOC783797	9.95E-11	0	0.086217	0	0.091453	0.310763	28.36724	11.43717	14.20628	23.2859	25.69946	0.097687	20.59921	210.8703
LOC783798	1	0	0.054453	0	0	0	0	0	0	0	0	0.010891	0	0
LOC783803	2.97E-08	0.040259	0.181859	0	0.048226	0	6.952743	4.662399	6.711058	10.40625	8.198201	0.054069	7.386131	136.6058
LOC783811	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783812	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783823	0.070279	0.080852	0	0.22703	0.31823	0	6.04468	7.584073	5.820992	1.194223	1.305637	0.125223	4.389921	35.05696
LOC783824	1	0	0	0	0.056069	0	0	0	0	0	0	0.011214	0	0
LOC783826	1	0.015019	0	0	0.008995	0	0	0	0	0	0	0.004803	0	0
LOC783835	1	0	0	0	0.031334	0	0	0.055583	0	0.135223	0	0.006267	0.038161	6.089511
LOC783838	0.001491	0.41151	0.219452	0.299574	0.438174	0.03102	3.469639	1.287369	2.599729	52.41579	17.10169	0.279946	15.37484	54.92075
LOC783843	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783844	1	0.026586	0.001766	0.010246	0.007494	0	0.163688	0.189423	0.008084	0.040424	0.085791	0.009218	0.097482	10.5746
LOC783845	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC783854	0.102793	0.042625	0.054584	0.02826	0.031457	0.02995	0	0.000809	0.000984	0.001967	0.005694	0.037375	0.001891	0.050588
LOC783857	1	0	0.007426	0	0	0	0	0	0	0	0	0.001485	0	0
LOC783884	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783885	1	0	0	0	0	0	0	0	0	0	0.031922	0	0.006384	#DIV/0!
LOC783893	0.000366	0.670124	0.550382	0.684245	0.635935	0.425103	0	0	0.044984	0.134973	0.028934	0.593158	0.041778	0.070434
LOC783895	0.025907	0.004575	0.003444	0.00333	0.003653	0	0.055863	0.051846	0.063057	0.228615	0.14956	0.003001	0.109788	36.58951
LOC783909	1	0	0	0	0	0	0	0	0	0.265274	0.170602	0	0.087175	#DIV/0!
LOC783912	1	0	0	0	0	0	0	0	0	0.164281	0	0	0.032856	#DIV/0!
LOC783917	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783920	1	1.120298	0.430692	1.058496	0.54013	0.312636	2.962629	1.460425	0.775172	0.667464	0.901437	0.692451	1.353425	1.954544
LOC783926	1	0.265995	0.072822	0.035207	0	0.043747	0	0	0.020832	0.541706	0.468971	0.083554	0.206302	2.469074
LOC783931	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783932	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783939	1	0	0	0	0.027826	0	0	0	0	0	0.07723	0.005565	0.015446	2.775427
LOC783942	1	0.498607	0.250258	0.36298	0.365004	0.225509	2.464411	0.29431	0.14318	5.871246	34.67364	0.340472	8.689357	25.52153
LOC783945	1	0	0	0	0	0.094555	0	0	0	0	0	0.018911	0	0
LOC783950	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783951	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783954	1	0.075882	0	0	0	0	0	0	0	0	0	0.015176	0	0
LOC783956	1	0	0	0	0	0	0	0	0	0	0.056252	0	0.01125	#DIV/0!
LOC783963	1	0.402447	0.037874	0.024415	0.040174	0.060673	0.058504	0	0.057783	0.635711	0.037167	0.113117	0.157833	1.395312
LOC783968	1	0.001036	0.005852	0.002263	0.004966	0	0.005424	0.017619	0.01875	0.1018	0.005169	0.002824	0.029752	10.53689
LOC783983	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783984	1	0	0	0	0	0	1.952712	0	0	0	0	0	0.390542	#DIV/0!
LOC783988	0.000133	0.019037	0.030711	0	0.009773	0.02214	0.640442	0.658784	0.653641	0.562354	0.542486	0.016332	0.611541	37.44412
LOC783993	1	0.022438	0	0	0	0	0.264211	0.131121	0.014498	0	0	0.004488	0.081966	18.26471
LOC783995	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC783998	1	0	0	0	0	0	0	0	0	0	0.033355	0	0.006671	#DIV/0!
LOC784007	1	2.929505	0.932407	1.030388	1.041252	0.466198	0.95274	0.408647	0.198804	0.490456	0.057543	1.27995	0.421638	0.329417
LOC784013	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784019	1	0.011819	0	0	0	0	0	0	0	0	0	0.002364	0	0
LOC784037	1	0.077929	0	0	0	0	0	0	0	0	0	0.015586	0	0
LOC784038	1	0	0.180505	0.08727	0	0	0	0	0	0	0	0.053555	0	0
LOC784039	1	0.003347	0.000945	0.00731	0.003007	0	0	0	0	0.017303	0	0.002922	0.003461	1.184418
LOC784042	1	0	0	0	0	0	0	0	0	0	0.019403	0	0.003881	#DIV/0!
LOC784048	1	0.002231	0.005543	0.001949	0.003207	0	0.011676	0	0	0.011534	0.031897	0.002586	0.011021	4.261739
LOC784050	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784052	1	0.128931	0.873612	0.09386	0.30889	3.265501	1.574383	0.365295	0.666427	8.44264	1.500279	0.934159	2.509805	2.686701
LOC784054	1	0.119776	0.135264	0	0	0	4.262425	1.221686	0.866752	0	0	0.051008	1.270173	24.90146
LOC784055	1	0.014436	0.032605	0	0	0	4.759454	1.901862	2.238499	0	0	0.009408	1.779963	189.195
LOC784058	1	0.055565	0.06275	0.121351	0.099841	0.301569	3.053279	4.368674	2.154058	1.148998	0.092367	0.128215	2.163475	16.8738
LOC784076	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784086	1	1.365522	0.558729	0	0	0	0.932116	2.270869	1.227518	2.046161	0.822447	0.38485	1.459822	3.793222
LOC784087	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784088	5.87E-09	0	0	0.058152	0.042528	0.024086	4.552021	3.338276	2.867327	2.615383	2.50823	0.024953	3.176247	127.288
LOC784100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC784108	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784119	0.006256	0	0	0	0	0	0.048274	0.431231	0.524479	0.953736	0.87404	0	0.566352	#DIV/0!
LOC784122	2.07E-12	0.04622	0	0	0.018456	0	5.402129	8.77396	6.131969	5.734623	6.761365	0.012935	6.560809	507.2052
LOC784126	1	0	0	0	0	0	0	0.058862	0.07159	0.286402	0	0	0.083371	#DIV/0!
LOC784127	1.76E-06	0.160795	0.072635	0.491639	0.500801	0.305442	8.330791	8.097857	9.599576	9.226909	9.62263	0.306262	8.975553	29.30676
LOC784131	1	0.45887	0.024676	0.477216	0.431889	0.207537	0.285883	0.255377	0.338835	4.123093	1.162354	0.320038	1.233108	3.85301
LOC784139	1	0.161209	0.060685	0	0.032185	0	0.070305	0	0.03472	0.347247	0.156324	0.050816	0.121719	2.395298
LOC784141	1	0	0	0	0	0	0.196835	0.042626	0.025922	0	0	0	0.053077	#DIV/0!
LOC784148	0.079915	0.185818	0.082439	0.014494	0.039748	0	0.868255	1.156357	1.252043	1.578147	2.096048	0.0645	1.39017	21.5531
LOC784152	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784157	1	0	0	0	0.006616	0	0	0.011736	0	0.028552	0.027543	0.001323	0.013566	10.25265
LOC784160	1	0.069302	0.352185	0.302706	0.290558	0	0.18134	0	0.179107	0.716534	0.288008	0.20295	0.272998	1.345147
LOC784179	1	0.014847	0.015525	0.022818	0.01515	0.01343	0	0.001168	0.002842	0.005685	0.001828	0.016354	0.002305	0.140938
LOC784185	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784187	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784193	1	0.2792	0.105101	0.081302	0.111484	0	0	0	0	0.769795	0.278475	0.115417	0.209654	1.816483
LOC784200	9.00E-05	0	0	0	0	0	3.315219	4.038352	4.044843	5.201269	0.743335	0	3.468604	#DIV/0!
LOC784206	1	0	0	0	0	0	0	0	0.112879	2.483707	0	0	0.519317	#DIV/0!
LOC784208	1	0.236102	0.096957	0.281257	0.282826	0.058246	0.336982	0.136829	0	0.332881	0.14272	0.191078	0.189883	0.993745
LOC784210	1	0.185949	0.104997	0	0	0	0	0	0	0	0	0.058189	0	0
LOC784214	1	0	0	0	0	0	0	0	0	0	0.032725	0	0.006545	#DIV/0!
LOC784215	1	0	0.002077	0	0	0	0	0	0	0.009509	0	0.000415	0.001902	4.577713
LOC784241	1	0.001827	0.001376	0.002661	0	0	0	0	0	0	0.005063	0.001173	0.001013	0.863412
LOC784242	1	0	0.005649	0	0	0	0	0	0	0	0	0.00113	0	0
LOC784243	7.45E-26	0.128931	0.048534	0.281579	0.205927	0.69975	193.1993	62.19139	103.0741	124.1957	101.0902	0.272944	116.7501	427.7437
LOC784250	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784251	1	0.247117	0.232559	0.089949	0.246683	0	0.431081	0.087518	0	0.638752	0.205395	0.163262	0.272549	1.669404
LOC784254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784259	1	0.007388	0.001251	0.005647	0.003097	0.003007	0	0	0	0.003819	0	0.004078	0.000764	0.187299
LOC784260	1	0	0	0	0	0	0	0	0	0	0.032623	0	0.006525	#DIV/0!
LOC784265	1	0	0	0	0	0	0.415881	0.056288	0	0.13694	0.088068	0	0.139435	#DIV/0!
LOC784266	1.99E-11	2.4697	0.598778	1.00561	0.785574	0.113592	43.52062	46.31275	26.10817	50.27636	68.0533	0.994651	46.85424	47.10621
LOC784285	1	0	0	0	0	0	0	0.051561	0	0	0	0	0.010312	#DIV/0!
LOC784289	0.412863	0.831012	0.026813	0.103708	0.085326	0.064431	38.51936	0.403625	0.797719	8.101092	17.16908	0.222258	12.99817	58.48232
LOC784291	1	1.512178	0.29516	0.081544	0.044727	0	0.586202	0.238022	0.241243	0.868602	0.093102	0.386722	0.405434	1.048387
LOC784294	1	0.144468	0.06526	0	0	8.820889	47.85797	93.90759	67.16929	0	0	1.806123	41.78697	23.13628
LOC784297	1	1.264274	0	1.240505	1.141337	0.099444	11.02727	12.30348	9.707623	9.851119	5.391176	0.749112	9.656132	12.8901
LOC784302	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784305	1	0.170229	0.077636	0.092944	0.039215	0.044418	0.08566	0.027825	0.059224	0.135388	0.043535	0.084888	0.070327	0.82846
LOC784314	1	0.014178	0.010094	0.008751	0.006646	0	0	0	0	0.001593	0.001025	0.007934	0.000524	0.065999
LOC784318	1	0.010032	0.013253	0.014055	0.019727	0.00565	0.000991	0	0.000489	0.002936	0.004091	0.012544	0.001701	0.135623
LOC784322	1	0.150097	0.148317	0	0	1.93474	1.276448	2.990142	1.35771	0	0	0.446631	1.12486	2.518545
LOC784323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784329	1	0	0.082207	0	0	0	0	0	0	0	0	0.016441	0	0
LOC784332	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC784333	1	0.010659	0.048148	0.046557	0.038304	0	0	0	0	0	0	0.028734	0	0
LOC784341	1	0.03094	0	0.016893	0	0.020991	0	0.016437	0.019991	0.35989	0.012858	0.013765	0.081835	5.94523
LOC784354	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784357	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784358	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784376	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784380	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784385	0.129845	0.132962	0.075077	0	0	0	26.3547	28.67756	41.10706	0	0	0.041608	19.22786	462.1208
LOC784388	1	1.451662	0	0.297223	0.163025	1.846563	9.733687	4.096879	6.272438	9.615229	18.58877	0.751695	9.661401	12.85283
LOC784391	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784399	1	0.142929	0	0	0	0	0	0	0.147757	0.295557	0.142557	0.028586	0.117174	4.099033
LOC784406	1	0.03422	0.012881	0.099646	0.068319	0	0.92526	0.29086	0.221097	0.796064	0.161173	0.043013	0.478891	11.13357
LOC784408	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784415	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784417	1	0	0	0.069816	0	0	0	0	0	0.495781	0	0.013963	0.099156	7.101279
LOC784427	1	0	0	0.025603	0.014043	0	0	0	0	0	0.058465	0.007929	0.011693	1.474635
LOC784434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784435	1	0	0	0	0.047614	0	0	0	0	0	0	0.009523	0	0
LOC784443	7.82E-09	0.091359	0.117912	0.342043	0.125073	0.247919	8.742649	13.09019	6.914742	7.286837	6.313444	0.184861	8.469572	45.8158
LOC784446	1	0.897054	0.991494	0	0	0.517938	15.48212	5.19134	10.80269	0	0	0.481297	6.29523	13.07971
LOC784451	1	0.335303	0.180524	0.459809	0.256874	0.137543	0.285657	0.107704	0.191452	0.322492	0.045369	0.274011	0.190535	0.695355
LOC784452	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784455	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784458	1	1.009396	0.449058	0.668025	0.256486	0.249015	1.12053	1.754931	0.790523	2.213787	0.8644	0.526396	1.348834	2.562394
LOC784462	1	0.003218	0.001817	0.000879	0.001927	0.002183	0.006316	0	0	0	0.000669	0.002005	0.001397	0.696719
LOC784464	0.086823	0.062707	0	0	0	0	1.640843	0.866126	1.458574	1.620874	0.469083	0.012541	1.2111	96.56749
LOC784465	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784466	1	0.042395	0.023938	0	0	0	0	0	0	0	0	0.013267	0	0
LOC784473	2.17E-10	0.399094	0.119303	0.28199	0.210914	0.318532	17.69157	4.863839	9.282915	13.47129	25.34681	0.265966	14.13128	53.13183
LOC784477	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784479	1	0	0	0	0.014092	0	0	0	0	0	0	0.002818	0	0
LOC784488	1	0.841368	0.917398	0.844834	0.718252	0.183705	0.607332	3.123625	4.523892	4.299573	3.376014	0.701111	3.186087	4.544338
LOC784492	0.000493	0.030538	0	0.766979	0.128035	0	13.02496	10.12311	8.681614	11.99816	13.40179	0.18511	11.44593	61.833
LOC784496	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784521	1	0.369806	0	0	0	0	0.552948	0.11226	0.27307	0	0	0.073961	0.187656	2.537213
LOC784522	1	0.121559	0	0.13274	0.036404	0.082468	0.675919	0.678056	0.844312	0.19638	0.340996	0.074634	0.547132	7.330858
LOC784525	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784528	1	0.190186	0.026847	0.10384	0.056956	0	0.124413	0.050517	0	0.491597	0.079038	0.075566	0.149113	1.973288
LOC784535	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784556	1	0.008399	0.003449	0.015007	0.007317	0.002072	0.003996	0.017847	0.035519	0.055259	0.044422	0.007249	0.031409	4.332962
LOC784557	1	0	0	0	0.00654	0	0	0	0	0.112896	0.054454	0.001308	0.03347	25.58871
LOC784563	0.012084	0.018024	0	0	0	0	0.660274	0.134049	0.465817	0.465885	1.513066	0.003605	0.647818	179.7111
LOC784572	1	0.237545	0.21377	0.389091	0.244538	0.120866	0.019424	0.047322	0.028778	0	0.00617	0.241162	0.020339	0.084337
LOC784581	1	0.124069	0.017514	0	0	0	0	0.06591	0	0	0	0.028316	0.013182	0.465523
LOC784594	1	0	0	0	0	0	0	0	0	0.19998	0	0	0.039996	#DIV/0!
LOC784595	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC784598	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784603	2.95E-08	0.045364	0	0	0	0	4.74814	5.398241	5.041399	19.93401	24.58393	0.009073	11.94115	1316.135
LOC784606	1	0.174485	0.143306	0.173212	0.095006	0	0.830122	0.842661	2.131742	1.066026	3.13783	0.117202	1.601676	13.66595
LOC784614	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784620	1	0	0	0	0	0	0	0	0	0	0.036672	0	0.007334	#DIV/0!
LOC784623	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784634	1	0	0	0.080662	0.022121	0	0.869792	0	0	0	0.030698	0.020557	0.180098	8.761031
LOC784637	1	0.387773	0.366332	0.171005	0.236722	0.890397	0	0	0.009636	0.096377	0.043387	0.410446	0.02988	0.072799
LOC784645	1	0.271624	0	0.084745	0	0	0.203071	0	0	0.2006	0	0.071274	0.080734	1.132732
LOC784652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784659	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784660	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784672	1	0.030098	0	0	0	0	0.078755	0.095934	0.116678	0.155594	0.700451	0.00602	0.229482	38.12306
LOC784678	1	0.002553	0	0.066921	0	0	0.026726	0.010852	0.046195	0.145207	0.042447	0.013895	0.054286	3.906897
LOC784679	1	0.28693	0.088372	0	0.09374	0	0.136509	0	0.067414	0.134848	0.216806	0.093808	0.111115	1.184493
LOC784681	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784689	1	0.016232	0	0	0	0	0	0	0	0	0	0.003246	0	0
LOC784697	1	0.237215	0.563489	0	0	0	25.04251	31.66949	14.45996	0	0	0.160141	14.23439	88.88673
LOC784704	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784706	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784713	1	0.213571	0.015074	0.145759	0.127918	0.072445	0	0.056728	0.034498	0	0.022189	0.114953	0.022683	0.197324
LOC784714	1	0.005424	0	0	0	0	0	0	0	0	0	0.001085	0	0
LOC784727	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784731	1	0.085757	0.072635	0.093645	0.025682	0	2.468382	0.683363	0.387862	1.108337	0.106918	0.055544	0.950973	17.12108
LOC784735	1	0.213959	0.107389	0.05192	0.028478	0.064513	1.11972	0.101034	0.245763	2.457984	2.094512	0.093252	1.203802	12.90916
LOC784738	1.07E-05	0.284021	0.040093	0	0.085057	0	10.77621	2.489561	5.597023	19.08771	49.75148	0.081834	17.5404	214.3407
LOC784741	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784751	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784755	1	0.038018	0	0	0.045541	0	0.596882	0	0	1.179235	0.568787	0.016712	0.468981	28.06269
LOC784761	1	0.014576	0.016461	1.209651	0.419045	0	4.576787	5.033076	4.802957	3.61687	5.536508	0.331946	4.71324	14.19879
LOC784762	1	10.40216	2.542548	0	0	64.26711	122.448	21.07455	29.68264	0	0	15.44236	34.64104	2.243247
LOC784768	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784769	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784773	1	0.199267	0.056258	0	0.059675	0	0	0	0	17.76985	87.615	0.06304	21.07697	334.3429
LOC784777	1	0.004676	0.003168	0.010211	0.007841	0.027914	0.014681	0	0.004834	0.038674	0.046634	0.010762	0.020965	1.948026
LOC784778	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784779	1	0.831598	0.571518	0	0	0.110419	1.636999	0.934889	1.485391	0	0	0.302707	0.811456	2.680666
LOC784789	1	0.014684	0	0	0.01759	0.039848	0.153693	0.031203	0.11385	1.442312	0.634654	0.014424	0.475142	32.94036
LOC784791	1	0	0	0	0.130232	0	1.706857	3.927312	1.756082	0.281014	0	0.026046	1.534253	58.90482
LOC784803	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784808	1.96E-07	0.124025	0	0	0	0	8.159634	6.9275	4.487486	6.228438	3.092556	0.024805	5.779123	232.9828
LOC784815	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784822	1	0.020087	0.022684	0	0	0	0	0	0	0	0	0.008554	0	0
LOC784827	1	0.10737	0.161672	0.058623	0	0	0	0.057039	0.023124	0.231278	0.059495	0.065533	0.074187	1.132057
LOC784831	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784834	0.151023	0.031043	0.023371	0	0	0	0.108305	0.373798	0.441256	0.427946	0.791253	0.010883	0.428512	39.37514

LOC784841	1	0.022492	0	0	0	0	0	0	0	0	0	0.004498	0	0
LOC784843	1	0	0	0	0.066957	0	0.292519	0.118775	0	0	0	0.013391	0.082259	6.142679
LOC784846	1	0.168236	0.08341	0.026884	0.039323	0.122486	0	0.026158	0	0.084851	0.047748	0.088068	0.031751	0.360532
LOC784866	1	3.927636	3.185907	5.029119	4.776539	8.521241	2.921467	3.092691	4.431293	4.58654	0.662847	5.088088	3.138968	0.616925
LOC784867	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784885	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784897	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784898	0.102516	0.022659	0.102358	0.074231	0.02262	0	0	0	0	0	0	0.044374	0	0
LOC784899	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784900	1	0.014593	0	0	0.017481	0	0	0	0	0	0	0.006415	0	0
LOC784914	1	4.251559	4.358332	2.967269	3.118653	3.249167	7.358658	4.954103	7.165851	8.413843	6.415447	3.588996	6.86158	1.911838
LOC784920	1	0.372481	0.243531	0.08563	0.211354	0	0	0.041658	0	0.506735	0.032589	0.182599	0.116196	0.636346
LOC784922	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784923	1	0	0.002168	0	0	0	0	0	0	0	0	0.000434	0	0
LOC784925	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784931	1	0	0	0	0	2.011782	2.155406	0.962703	1.703092	0	0	0.402356	0.96424	2.396483
LOC784932	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784938	1	0.011113	0.0502	0.072811	0.026624	0.060314	0	0.047229	0	0	0	0.044212	0.009446	0.213646
LOC784944	1	0.032719	0.02956	0	0.015678	0	0	0	0	0	0	0.015591	0	0
LOC784946	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784948	1	0	0.043551	0.168446	0	0	0	0	0	0	0	0.042399	0	0
LOC784950	1	0	0	0	0	0	0.128479	0.417343	0.44414	0	0.040811	0	0.206154	#DIV/0!
LOC784957	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784966	1	0.037019	0.01858	0.031441	0.036954	0	0.053814	0	0	0.116951	0.010256	0.024799	0.036204	1.459924
LOC784970	2.58E-05	0.042299	0	0	0	0	3.32049	2.33698	6.231245	3.717424	2.250097	0.00846	3.571247	422.1404
LOC784976	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC784980	1.68E-17	0.205931	0.139535	0.134923	0.197346	0.502945	51.62197	15.22821	27.24947	35.23784	52.37581	0.236136	36.34266	153.9055
LOC784991	1	0	0	0	0.005856	0	0	0	0	0	0	0.001171	0	0
LOC784993	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785006	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785027	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785035	4.20E-05	0	0	0.073507	0.026879	0	0.880703	1.835692	2.435604	1.449975	3.991099	0.020077	2.118615	105.5241
LOC785036	1	0.009666	0.010916	0	0.005789	0	0	0	0	0	0	0.005274	0	0
LOC785037	1	0.008667	0.003262	0.091485	0.148807	0	0	0	0	0	0	0.050444	0	0
LOC785043	1	0	0	0	0	0	0	0.076016	0	2.77401	8.146957	0	2.199397	#DIV/0!
LOC785049	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785050	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785064	1	0.105068	0.029663	0	0.18879	0.24948	0	0	0	0	0.087329	0.1146	0.017466	0.152406
LOC785068	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785075	1	0	0	0	0.001963	0	0	0.006964	0.004235	0.025412	0.010895	0.000393	0.009501	24.20297
LOC785077	1	0	0	0	0	0	0	0	0	0	0.757944	0	0.151589	#DIV/0!
LOC785078	1	0	0	0.06023	0	0	0	0	0	0	0.229222	0.012046	0.045844	3.805777
LOC785080	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785082	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785087	0.060978	0.524422	0.086367	0.381773	0.53659	0.029648	9.662838	4.66643	9.120309	3.445324	1.63456	0.31176	5.705892	18.30219
LOC785091	0.011704	0.020526	0	0	0	0	2.363173	1.308473	0.583518	0.424439	0.477684	0.004105	1.031457	251.2618

LOC785099	1	0.018024	0	0	0	0	0	0	0	0.124236	0.689119	0.003605	0.162671	45.12652
LOC785105	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785107	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785109	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785115	1	0.03697	0.041751	0	0	0	0	0.11784	0.095547	0	0	0.015744	0.042677	2.71068
LOC785121	1	0	0	0	0.028017	0	0	0	0	0	0	0.005603	0	0
LOC785122	1	0	0	0.08032	0.264331	0	0	0.130249	0.063366	0.12675	0.061136	0.06893	0.0763	1.10692
LOC785129	1	0	0	0	0	0	0	0	0	2.335831	2.503677	0	0.967902	#DIV/0!
LOC785142	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785144	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785145	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785149	1	0	0	0.018893	0	0	0	0	0	0	0	0.003779	0	0
LOC785151	1	0.136093	0	0	0	0.211036	0	0.082626	0.251232	0.100508	0.129276	0.069426	0.112728	1.623724
LOC785155	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785156	1	0	0.040284	0	0	0	0	0	0	0	0	0.008057	0	0
LOC785158	1	0	0	0	0	0	0	0	0	0	0.018473	0	0.003695	#DIV/0!
LOC785161	0.012069	0.019038	0	0	0	0	0.846868	0.627046	1.402267	2.116009	0.047471	0.003808	1.007932	264.7174
LOC785162	1	0	0	0	0.024113	0	0	0	0	0	0	0.004823	0	0
LOC785164	1	0	0	0	0	0	0	0	0	0	0.069844	0	0.013969	#DIV/0!
LOC785168	1	0.137182	0.036886	0.014267	0.054777	0	0	0	0	0	0	0.048622	0	0
LOC785175	1	0	0	0.0029	0.001591	0	0.013898	0.031037	0.006863	0.013729	0.079463	0.000898	0.028998	32.28799
LOC785189	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785193	1	0.028094	0.031727	0.030678	0.084134	0	1.61728	1.820803	0.145215	1.815452	0.210158	0.034927	1.121781	32.11821
LOC785196	1	0	0	0	0	0	0	0	0	0.186856	0.060085	0	0.049388	#DIV/0!
LOC785207	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785214	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785216	0.645141	1.421932	0.128464	0.248436	0.463304	1.419986	6.191276	5.656312	7.144011	8.291787	11.93209	0.736424	7.843095	10.65024
LOC785220	0.000116	0	0	0	0	0	0.340239	0.448991	0.630092	1.764515	0.445808	0	0.725929	#DIV/0!
LOC785227	1	0.041828	0	0.045676	0	0	0	0	0	0.432474	0	0.017501	0.086495	4.942339
LOC785228	1	0	0	0.021475	0	0	0.154377	0.020894	0.025413	0.254163	0.26153	0.004295	0.143275	33.35907
LOC785229	1	0.007026	0.007935	0	0	0	0	0	0	0.072645	0	0.002992	0.014529	4.855703
LOC785233	0.174166	0.079851	0	0	0	0	0.585039	1.696787	1.69223	1.403517	0.185834	0.01597	1.112681	69.67263
LOC785236	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785238	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785251	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785252	1	0	0	0	0.048175	0	0	0	0	0	0	0.009635	0	0
LOC785254	1	0.03566	0	0	0.014239	0	0	0	0	0.06145	0	0.00998	0.01229	1.231484
LOC785256	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785258	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785264	0.022782	0	0	0	0	0	0.436829	0.177371	0.43145	3.020589	0.555024	0	0.924252	#DIV/0!
LOC785273	1	0	0	0.322513	0.416971	0	0	0	0	0.05453	0	0.147897	0.010906	0.07374
LOC785277	1	0	0	0	0	0	0	0	0	0	0.066285	0	0.013257	#DIV/0!
LOC785282	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785294	1	0	0	0	0	0	0.21939	0.148469	0.108344	0.14448	0.836252	0	0.291387	#DIV/0!
LOC785307	1	0.044565	0	0	0.015253	0	0	0	0	0	0	0.011963	0	0

LOC785309	1	0.017151	0.033896	0	0.030818	0	0	0	0.011082	0	0	0.016373	0.002216	0.135364
LOC785316	1.50E-08	0	0.009837	0.038049	0	0	3.00877	2.869112	1.103139	2.38673	2.099681	0.009577	2.293487	239.4723
LOC785326	1	0.037092	0	0	0	0	0.064705	0.262728	0.191724	0	0	0.007418	0.103831	13.99649
LOC785335	1	0.092548	0.002375	0.009187	0.005039	0	0	0	0	0	0	0.02183	0	0
LOC785342	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785350	2.63E-15	0.043727	0.098763	0	0.078571	0	5.720984	22.16102	17.79919	41.59401	20.60744	0.044212	21.57653	488.0213
LOC785370	0.003661	0.033463	0.018895	0.03654	0.070148	0	1.182065	1.884318	3.048496	1.902885	2.22504	0.031809	2.048561	64.40153
LOC785374	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785376	1	0.001851	0.002091	0.004043	0	0	0	0	0	0	0	0.001597	0	0
LOC785379	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785386	0.246378	0.982501	1.237568	0.330114	0.769532	1.333092	32.43257	12.44629	18.94647	5.469879	2.5755	0.930562	14.37414	15.44674
LOC785392	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785395	1	4.53035	3.529496	1.972559	1.837582	14.82268	34.06265	23.76227	20.26744	17.12051	19.25636	5.338534	22.89385	4.288414
LOC785403	0.375212	0.566715	0.467225	0.053281	0.034704	0.052412	0.01064	0.01188	0.013136	0.015765	0	0.234867	0.010284	0.043787
LOC785405	1	0.004409	0	0	0	0	0	0	0	0	0	0.000882	0	0
LOC785406	1	0	0.089209	0	0	0	0	0	0	0	0	0.017842	0	0
LOC785407	1	0.064595	0	0	0	0	0	0	0	0	0	0.012919	0	0
LOC785408	0.002337	0.088108	0.031421	0.324083	0.277747	0.100672	0	0	0	0	0	0.164406	0	0
LOC785416	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785421	1	0.21706	0.198436	0	0	0.392687	17.30968	14.01297	10.49834	0	0	0.161637	8.364198	51.7469
LOC785426	1	0	0	0.259053	0.284179	0	0	0	0	0	0	0.108646	0	0
LOC785429	1	0	0	0.064542	0.017701	0	0.115995	0.204095	0.17185	0.458334	0.270197	0.016449	0.244094	14.83981
LOC785431	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785440	1	0.004501	0.007116	0.007864	0.015097	0.004886	0	0	0	0.004654	0.001496	0.007893	0.00123	0.155843
LOC785441	4.46E-17	0	0.006502	0.012574	0.013794	0	2.259806	3.462319	4.151482	6.518329	6.335898	0.006574	4.545567	691.4517
LOC785442	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785445	1	0.030001	0	0	0	0	0.078504	0.031876	0	0.077548	0	0.006	0.037586	6.263958
LOC785458	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785473	1	0.018706	0	0	0	0	0	0	0.048345	0.193407	0.031096	0.003741	0.05457	14.58605
LOC785477	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785479	1	0.061375	0	0	0	0	0	0	0.317243	0.634577	0.102026	0.012275	0.210769	17.1705
LOC785480	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785485	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785500	1	0.1002	0.231232	0.076115	0.093935	0.118221	0.068397	0.018515	0	0.022522	0.152081	0.123941	0.052303	0.422
LOC785502	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785503	1.16E-12	0.225418	0.133982	0.207286	0.326875	0.450734	29.61634	25.53837	20.08368	11.59196	50.13359	0.268859	27.39279	101.8854
LOC785505	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785516	1	0.262932	0.127256	0	0	3.159838	490.4496	99.69124	160.6612	0	0	0.710005	150.1604	211.4919
LOC785523	1	0.017814	0.016094	0.007781	0	0	0.009322	0.030282	0.018415	0.009209	0.014806	0.008338	0.016407	1.967835
LOC785534	3.39E-06	0.202763	0.057245	0	0.030361	0	7.295219	6.032043	6.419346	4.454888	4.929488	0.058074	5.826197	100.3241
LOC785536	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785540	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785559	0.00626	0.041828	0	0	0	0	0.766153	0.355532	0.756719	5.297803	5.562599	0.008366	2.547761	304.5504
LOC785560	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785561	1	0	0	0	0	0	0	0.024681	0	0.120087	0.028961	0	0.034746	#DIV/0!
LOC785563	1	0	0	0.009565	0	0	0	0	0	0	0	0.001913	0	0

LOC785565	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785568	1.95E-07	1.881304	2.287996	1.580267	1.84911	8.203292	70.3489	73.39323	81.1185	33.25012	47.5251	3.160394	61.12717	19.34163
LOC785569	1.57E-06	0.034085	0	0.03722	0.04083	0.092496	2.586487	1.774513	2.598683	6.431575	8.640769	0.040926	4.406405	107.6669
LOC785574	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785575	0.000635	0	0	0	0	0	0.738996	1.350285	0.790721	2.190008	1.564917	0	1.326985	#DIV/0!
LOC785582	1	0	0	0	0.030776	0	0	0	0	0	0	0.006155	0	0
LOC785588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785605	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785617	1	0	0	0	0.032963	0	0	0.087711	0.142236	0.213385	0.137231	0.006593	0.116113	17.61239
LOC785618	1	0	0	0	0	0	0	0.043098	0.052417	0	0	0	0.019103	#DIV/0!
LOC785623	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785624	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785629	0.03193	0	0.038562	0	0	0	27.34152	17.26946	12.00215	0	0	0.007712	11.32263	1468.089
LOC785630	7.32E-13	2.332211	2.422693	2.964225	1.679298	2.184549	0.011116	0.022568	0.115279	0.010981	0.007062	2.316595	0.033401	0.014418
LOC785639	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785644	1	0.021078	0.047608	0	0	0	0	0	0	0.108968	0	0.013737	0.021794	1.586454
LOC785645	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785647	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785658	1	0	0	0	0.02846	0	0.124335	0.151455	0.33771	0	0.019747	0.005692	0.126649	22.25054
LOC785663	5.00E-07	0.134684	0.135199	0	0.017926	0	5.090536	5.310523	4.215661	7.117381	6.741549	0.057562	5.69513	98.9394
LOC785669	1	0.001614	0.001823	0.001322	0.000967	0.001095	0	0.000429	0.000522	0.004173	0.006374	0.001364	0.002299	1.685309
LOC785672	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785680	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785683	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785687	1	0	0	0	0.006785	0	0	0	0	0	0	0.001357	0	0
LOC785693	1	0.069559	0.026184	0	0	0.12584	0	1.773708	2.15725	1.318511	0.69378	0.044317	1.18865	26.82176
LOC785705	0.000368	0.09367	0	0	0.056103	0	6.617794	1.094745	1.936683	7.263618	15.64897	0.029955	6.512362	217.4067
LOC785710	1	0.003579	0.001866	0.003608	0.002968	0.000747	0	0.000585	0	0	0.003204	0.002554	0.000758	0.296744
LOC785712	1	0	0	0	0.045603	0	0	0	0	0	0	0.009121	0	0
LOC785723	1	0	0	0	0.023959	0	0	0	0	0	0	0.004792	0	0
LOC785727	1	0	0	0	0	0	0	0	0	0.063666	0	0	0.012733	#DIV/0!
LOC785735	1	0.011341	0	0	0.013585	0	0.712221	0	0	0.175888	0.018853	0.004985	0.181392	36.38537
LOC785745	3.46E-08	0.25153	0	1.098662	1.205223	0.682569	89.51092	30.64397	15.81823	112.2607	110.9428	0.647597	71.83533	110.926
LOC785747	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785755	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785756	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785760	1	0.03867	0.014557	0	0	0	0.269833	0.520426	0.966098	0	0	0.010645	0.351271	32.99736
LOC785761	1	0.482288	0.096115	0.061959	0	0.192467	0.742345	0.271281	0.513243	2.419926	2.240112	0.166566	1.237381	7.428787
LOC785762	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785763	1.21E-05	0	0	0	0	0	2.438608	2.023404	1.413732	2.304194	1.044038	0	1.844795	#DIV/0!
LOC785767	1	0	0	0	0	0	0	0	0.024891	0.14937	0.160103	0	0.066873	#DIV/0!
LOC785772	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785773	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785777	1	0	0	0	0	0	0.542645	2.313532	1.272911	0	0	0	0.825818	#DIV/0!
LOC785779	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785783	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC785789	1	0.00482	0	0	0.005774	0	0.025224	0.020484	0.012457	0	0.008012	0.002119	0.013236	6.246891
LOC785792	1	0.068294	0	0	0	0	0	0	0	3.000975	1.419095	0.013659	0.884014	64.7211
LOC785793	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785803	1	0	0	0	0	0	0	0.401314	0.596558	0	0.104648	0	0.220504	#DIV/0!
LOC785804	1	0.047577	0.134321	0	0.270711	0.225938	21.97285	0.834058	3.012499	0.307443	0.158177	0.135709	5.257006	38.73723
LOC785808	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785811	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785818	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785821	1	0	0	0	0.016922	0	0	0	0	0	0	0.003384	0	0
LOC785832	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785841	1	0	0	0	0	0	0	0	0	0	0.058943	0	0.011789	#DIV/0!
LOC785842	1	0.119623	0.033773	0	0.286592	0.081155	0.782536	0.317742	0	0.309205	3.579373	0.104229	0.997771	9.572906
LOC785843	8.47E-08	0.025587	0.057791	0.055881	0.061301	0	3.883254	4.621548	2.711257	10.18523	12.76025	0.040112	6.832308	170.3305
LOC785848	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785853	1	0	0	0	0	0	0	0	0	0	0.106735	0	0.021347	#DIV/0!
LOC785854	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785858	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785868	0.094322	0	0	0	0	0	0.097506	0.395917	0.433376	0.09632	0.061945	0	0.217013	#DIV/0!
LOC785873	1	6.794208	6.374071	8.764582	11.04844	12.46664	5.342659	4.824917	6.004715	6.794202	7.714805	9.089588	6.13626	0.675087
LOC785875	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785884	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785891	0.006342	0.009154	0.00827	0	0.015352	0	0.095814	0.171181	0.184538	0.785582	0.362175	0.006555	0.319858	48.79335
LOC785896	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785898	1	0	0	0	0	0	0	0	0	0	0.065865	0	0.013173	#DIV/0!
LOC785899	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785903	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785907	1	0	0.043295	0.020932	0.034444	0.026009	0	0	0	0	0.023899	0.024936	0.00478	0.191682
LOC785910	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785912	1	0	0	0	0	0	0	0	0	0.151231	0	0	0.030246	#DIV/0!
LOC785914	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785933	1	0	0	0	0.015843	0	0	0	0	0	0	0.003169	0	0
LOC785934	1	0.039318	0	0	0	0	3.017869	0.61269	1.524226	0	0	0.007864	1.030957	131.1051
LOC785937	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785940	1	0.394716	0.436022	0.263507	0.307648	0.205806	0	0.014651	0.017819	0.196034	0.094554	0.32154	0.064612	0.200944
LOC785941	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785944	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785946	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785951	1.09E-16	0.207753	0.187693	0.816704	0.14932	0	155.6928	57.8319	114.3653	37.80509	38.88697	0.272294	80.9164	297.1654
LOC785954	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785955	0.074056	0.406132	0.037188	0.095889	0.052595	0.059574	0.804215	2.052567	1.872306	5.220522	7.11621	0.130276	3.413164	26.19956
LOC785963	1	0	0.00392	0	0.002079	0.004709	0	0.011063	0.00897	0.152517	0.023079	0.002142	0.039126	18.26953
LOC785968	0.020951	0.359286	0	0	0	0	463.2286	159.1479	333.7734	0	0	0.071857	191.23	2661.247
LOC785969	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785976	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785980	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC785981	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC785982	1	0	0.024923	0.032132	0	0	0	0	0	0	0.012229	0.011411	0.002446	0.214333
LOC785995	1.98E-08	0.056541	0.021284	0	0.033865	0.051144	1.824687	2.803402	2.873807	4.530559	3.367947	0.032567	3.08008	94.57771
LOC785997	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786015	1	0	0	0.108319	0	0.089727	0.08652	0	0	0.341867	0.10993	0.039609	0.107663	2.71814
LOC786030	1	0	0	0	0	0	0	0	0	0.311187	0	0	0.062237	#DIV/0!
LOC786034	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786039	1	0.057498	0.10035	0.068494	0.162799	0.014185	0.191485	0.077751	0.189127	0.162133	0.19985	0.080665	0.164069	2.033954
LOC786054	1.08E-05	0.044138	0	0.096396	0.07931	0	1.501439	3.376506	3.65034	4.449499	5.833131	0.043969	3.762183	85.56463
LOC786055	4.73E-10	0.032154	0.005447	0.015215	0.019901	0	10.75556	3.556399	7.699341	0.418338	0.714467	0.014543	4.628822	318.2753
LOC786065	1	0.07439	0.168017	0.032493	0.053466	0.053832	0	0	0	0	0	0.07644	0	0
LOC786066	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786077	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786089	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786091	1	0	0	0	0.06521	0	0	0	0	0	0.090493	0.013042	0.018099	1.387714
LOC786110	1	0	0	0	0	0.031596	0	0	0	0	0	0.006319	0	0
LOC786112	1	0.016218	0	0	0	0	0	0	0	0	0	0.003244	0	0
LOC786119	1	0	0	0	0	0	0	0	0	0	0.064638	0	0.012928	#DIV/0!
LOC786124	1	0.026415	0.089491	0.057689	0.031642	0	0	0	0	0	0	0.041047	0	0
LOC786126	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786133	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786139	1	1.997136	2.196605	2.472084	2.057271	3.98965	0.714935	0.953821	3.261654	1.647879	3.730839	2.542549	2.061825	0.810928
LOC786149	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786152	1	0.054124	0	0	0	0	0	0	0	0	0	0.010825	0	0
LOC786154	1	0.016098	0.00202	0.12891	0.077134	0	0	0.04561	0.018491	0.02774	0.005947	0.044832	0.019557	0.436235
LOC786157	1	5.979563	0.158515	0.122621	0.100886	0.076181	0.293831	0	0	0.290255	0.046667	1.287553	0.126151	0.097977
LOC786158	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786173	1	0	0	0.076027	0.114677	0.425103	2.140624	1.350007	1.979312	3.914208	2.705355	0.123161	2.417901	19.63197
LOC786185	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786192	0.003665	0	0.002688	0.005199	0.002851	0	0.062285	0.131511	0.184556	0.172277	0.201803	0.002148	0.150486	70.07123
LOC786199	9.05E-08	0.005818	0.008031	0.00353	0.005808	0.005263	0.27743	0.184771	0.192144	0.155409	0.123051	0.00569	0.186561	32.78704
LOC786201	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786202	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786211	1	0	0.002733	0.005285	0.002899	0	0	0	0	0	0	0.002183	0	0
LOC786214	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786224	0.469876	0.034272	0.038703	0.112272	0.123161	0	0	0	0	0	0	0.061682	0	0
LOC786231	1	0	0.031099	0	0.098963	0	0	0	0	0.071181	0	0.026012	0.014236	0.547285
LOC786242	1	0.022043	0	0	0	0	0	0	0	0	0	0.004409	0	0
LOC786251	1	0.082252	0.030963	0.059878	0.065686	0	0	0	0	0.566951	0	0.047756	0.11339	2.374374
LOC786252	0.002245	0.041029	0	0.022401	0.024574	0	0.697829	0.915431	1.670072	0.742362	0.61383	0.017601	0.927905	52.71949
LOC786254	1	0	0	0	0	0	0	0	0	0.067659	0.021756	0	0.017883	#DIV/0!
LOC786256	1.34E-07	0.046952	0	0.239264	0	0	6.961961	6.91746	7.806547	13.83538	6.972487	0.057243	8.498766	148.4675
LOC786258	0.047047	0.116797	0.158279	0.357111	0.055964	0	9.413011	11.81369	10.38378	9.056936	0.077662	0.13763	8.149015	59.20959
LOC786264	1	0.016037	0	0.003892	0.012807	0.009671	0	0.011359	0.027631	0.05527	0.032583	0.008481	0.025368	2.991134
LOC786268	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786273	3.81E-08	0.040087	0	0	0	0	21.18877	7.581323	5.698178	1.554275	4.931241	0.008017	8.190757	1021.616
LOC786275	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC786288	1	0.157102	0.096773	0	0	0.038757	0	0	0	0	0	0.058526	0	0
LOC786295	4.79E-17	0.024486	0.027652	0	0	0	52.53907	10.77059	13.60586	22.27888	22.26517	0.010428	24.29192	2329.556
LOC786303	1	0.0255	0.030035	0.004791	0.001314	0	0.007175	0.006409	0.007795	0.012757	0.016409	0.012328	0.010109	0.819999
LOC786319	1	0.002974	0.001679	0	0	0	0	0	0.003843	0	0	0.000931	0.000769	0.825884
LOC786322	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786332	1	2.607324	1.943808	1.379087	1.220038	2.18343	3.571147	7.596452	3.737751	4.054207	2.031676	1.866737	4.198247	2.248975
LOC786337	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786346	1	0.001174	0.001768	0	0.001406	0	0	0	0	0.002023	0	0.00087	0.000405	0.465276
LOC786348	1	0	0	0	0.024859	0	0.108604	0.066147	0.026817	0	0	0.004972	0.040313	8.108376
LOC786349	1	0.001853	0.003139	0.131529	0.041066	0	0	0	0	0.138906	0.021563	0.035517	0.032094	0.903608
LOC786350	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786352	4.16E-06	2.982432	0.64343	0.906362	0.682508	0.782611	0	0	0	0.036363	0	1.199469	0.007273	0.006063
LOC786353	1	0.260393	0.319794	0.326996	0.226145	0.353311	2.180359	1.27956	1.943207	1.935076	1.174135	0.297328	1.702467	5.72589
LOC786360	1	0.004936	0	0	0	0	0.051662	0	0.012756	0	0	0.000987	0.012884	13.0511
LOC786363	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786364	1	0	0	0	0	0	0	0	0.157081	0	0	0	0.031416	#DIV/0!
LOC786371	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786372	1	1.31408	0.860194	0.253973	0.292537	0.299795	0	0	0	0.751473	0.06766	0.604116	0.163827	0.271184
LOC786377	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786386	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786394	1	0.005902	0.013329	0.008593	0.007069	0	0.14413	0.054343	0.071178	0.061018	0.058863	0.006979	0.077906	11.16356
LOC786395	1	0	0	0	0.008458	0	0	0	0	0	0	0.001692	0	0
LOC786401	1	0.053204	0	0	0	0	0	0	0	0	0.132663	0.010641	0.026533	2.4935
LOC786409	1	0.026471	0.014947	0	0	0.035916	0.727279	0.014062	0.051309	0	0	0.015467	0.15853	10.24975
LOC786417	1	0.028136	0.103267	0	0.337041	0	0.809851	0.702508	1.090744	1.054539	1.905946	0.093689	1.112718	11.87674
LOC786419	1	0.070605	0	0	0	0	0	0	0	0	0	0.014121	0	0
LOC786425	1	0.017144	0	0	0	0	0	0	0	0	0	0.003429	0	0
LOC786427	1	0.001535	0.001733	0	0	0	0	0.003261	0.007932	0.007934	0.005102	0.000654	0.004846	7.414689
LOC786430	1	0.368253	0.113419	0	0	0.454235	0.875994	0.497966	0.086521	0	0	0.187181	0.292096	1.560499
LOC786435	4.01E-07	0.046806	0	0	0	0	2.020844	3.232458	2.298378	2.48019	1.711756	0.009361	2.348725	250.9004
LOC786445	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786467	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786474	1	0.059433	0	0.043267	0.474631	0	0.051839	0.084195	0.204802	0	0.148197	0.115466	0.097807	0.847058
LOC786489	1	0	0.023271	0.009001	0.004937	0	0	0.03503	0.031954	0.042612	0.047957	0.007442	0.031511	4.234284
LOC786511	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786512	1	2.827118	2.873802	1.834998	1.835605	0.82232	0.955113	2.158596	2.830055	4.55723	1.768795	2.038768	2.453958	1.203647
LOC786525	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786530	1	0.012471	0	0	0	0	0	0	0	0	0	0.002494	0	0
LOC786533	4.14E-17	0.067075	0	0.146488	0.026783	0.060673	37.91051	23.08987	20.33978	12.13629	23.7124	0.060204	23.43777	389.3081
LOC786544	1	0.021173	0	0	0	0	0	0	0	0	0	0.004235	0	0
LOC786553	1	0.745633	1.330528	1.169592	1.273164	0.514235	0.754557	1.225527	1.181779	1.490749	0.986114	1.00663	1.127745	1.120317
LOC786562	1	0.078845	0.213696	0.017219	0.01889	0	0.742719	0.787446	1.630163	0.85596	1.69076	0.06573	1.14141	17.36511
LOC786573	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786584	1	0.024265	0	0	0	0	0	0	0	0	0	0.004853	0	0
LOC786586	1	0.194109	0.103835	0.19337	0.248839	0.064688	0	0.028945	0.202426	0.228862	0.073592	0.160968	0.106765	0.663268
LOC786594	1	0.006833	0.009497	0	0	0.001426	0.004126	0.000558	0	0	0	0.003551	0.000937	0.263819

LOC786596	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786597	1	0	0.059327	0	0.031465	0	0	0	0	0	0	0.018158	0	0
LOC786599	1	0	0.044311	0	0	0	0	0	0	0	0	0.008862	0	0
LOC786610	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786614	2.00E-17	1.202958	0.388145	0.589783	0.911663	4.197129	451.347	326.4666	205.4463	120.9505	180.9133	1.457936	257.0247	176.2936
LOC786616	1	0	0	0	0	0	0.716113	0.436158	0	0.530548	1.933485	0	0.723261	#DIV/0!
LOC786628	1	0.025272	0.024463	0.01577	0	0	0	0	0	0	0	0.013101	0	0
LOC786643	1	0.005651	0.004255	0	0.002257	0	0.029575	0.008006	0.029211	0.019477	0.025051	0.002432	0.022264	9.152704
LOC786651	0.026747	0.010563	0.002982	0	0.003163	0	0.02764	0.129063	0.191095	1.146737	0.329233	0.003342	0.364753	109.1525
LOC786669	1	0	0	0	0	0	0.420387	0.136556	0.124563	0	0.347187	0	0.205739	#DIV/0!
LOC786689	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786692	1	0.026341	0.35696	0	0	0	0.137849	0	0	0	0.087574	0.07666	0.045085	0.588111
LOC786694	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786706	1	0	0	0.016858	0.009247	0	0.605959	0.032806	0.0399	0	0	0.005221	0.135733	25.99719
LOC786717	1	0.015109	0	0	0	0	0	0	0	0	0	0.003022	0	0
LOC786725	1	0.110346	0	0	0	0	0	0	0	0	0	0.022069	0	0
LOC786726	1	0.58775	0.643327	0	0	0.049076	0.662499	4.073465	5.094516	0	0	0.256031	1.966096	7.679147
LOC786728	1	0.105709	0.079585	0.153909	0.295464	1.338671	0.922012	0.449251	0.637461	4.736115	0.995763	0.394668	1.54812	3.922593
LOC786733	1.38E-06	0	0	0	0	0	17.36432	16.94865	1.099391	3.408608	1.202133	0	8.004621	#DIV/0!
LOC786738	0.003102	0	0.005986	0	0	0	0.194187	0.326657	0.808284	0.054807	0.405341	0.001197	0.357855	298.8965
LOC786747	1	0	0	0	0.023959	0	0	0.042501	0	0	0	0.004792	0.0085	1.773905
LOC786783	1	0.452941	0.438436	0	0	0	1.015881	0.618735	0.668915	0	0	0.178275	0.460706	2.584237
LOC786793	1	0.008576	0.009685	0.037458	0.005136	0	0	0	0	0	0	0.012171	0	0
LOC786796	1	0	0	0	0	0	0	0	0	0	0.009949	0	0.00199	#DIV/0!
LOC786804	0.387251	0.001454	0.001642	0	0	0	0.053259	0.009268	0.01503	0.195413	0.113589	0.000619	0.077312	124.8699
LOC786808	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786829	1.55E-12	0	0	0.192567	0	0	27.68634	13.39649	15.60968	19.82831	19.78738	0.038513	19.26164	500.129
LOC786840	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786845	1.26E-17	0.086949	0	0.094946	0	0.117975	69.84712	27.6218	42.47085	23.3736	46.39652	0.059974	41.94198	699.3373
LOC786846	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786851	1	0	0	0.009988	0.002739	0	0.047869	0.014578	0.035459	0.130037	0.357322	0.002545	0.117053	45.98431
LOC786858	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786870	1	0.021577	0.019494	0.01885	0.010339	0	0	0	0	0	0	0.014052	0	0
LOC786897	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786906	0.000134	0	0	0	0	0	0.684273	0.353619	0.890889	1.413341	0.928699	0	0.854164	#DIV/0!
LOC786908	1	0	0	0	0	0	0	0	0	0	0.011667	0	0.002333	#DIV/0!
LOC786914	0.150805	0.397479	0.701368	0.723399	1.110988	0.876385	0	0	0	0	0.041296	0.761924	0.008259	0.01084
LOC786928	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786929	1	0.086548	0.048869	0	0	0.058716	8.945431	1.149436	1.845343	0	0	0.038827	2.388042	61.50533
LOC786930	1	0.087285	0	0	0	0.039477	2.055566	3.632254	3.797328	0	0	0.025353	1.897029	74.82612
LOC786942	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC786945	0.007182	0.020514	0.023167	0.022401	0.086009	0	0.483112	0.937227	1.060363	1.643802	1.517525	0.030418	1.128406	37.09626
LOC786948	1	2.596599	0	0.155366	0.063913	0.048262	0	0	0	0	0.029564	0.572828	0.005913	0.010322
LOC786951	1	0	0.038492	0	0	0	0	0	0	0	0	0.007698	0	0
LOC786954	1	0.073651	0.027725	0.053617	0.058817	0	0	0	0	0.507662	0	0.042762	0.101532	2.374374
LOC786961	1	0.006611	0.002986	0.017325	0.022173	0	0	0	0	0.006835	0.006593	0.009819	0.002686	0.273521

LOC786974	1	7.164901	3.494262	0.875562	1.120565	9.875018	8.177093	3.189179	2.178503	4.729634	3.485987	4.506062	4.352079	0.965828
LOC786978	1	0.810977	0.488449	0.708457	0.59907	0.825272	3.076979	0.732396	0.995564	6.044128	1.348115	0.686445	2.439437	3.553725
LOC786987	1	0.209157	0.040725	0.015751	0.017279	0.137003	0	0	0	0	0.035968	0.083983	0.007194	0.085655
LOC786994	1	0.014351	0	0.104475	0.045843	0	0.025035	0.203303	0.086543	0.148381	0.262421	0.032934	0.145136	4.406918
LOC786995	1	0	0	0	0.02313	0	0	0	0	0	0	0.004626	0	0
LOC787008	1	0	0	0	0	0	0	0	0	0	0.033534	0	0.006707	#DIV/0!
LOC787014	1	0	0.068974	0.133388	0.073163	0	0	0.259567	0.157848	0	0.609172	0.055105	0.205317	3.725947
LOC787015	1	0.060845	0	0	0	0	0	0	0.052417	0	0	0.012169	0.010483	0.861481
LOC787028	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787041	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787042	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787045	7.96E-13	0.038134	0.043065	0.124924	0.04568	0	12.57269	10.25059	4.090014	27.895	31.06161	0.050361	17.17398	341.0207
LOC787051	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787057	1	1.728381	1.211756	1.908407	1.59322	1.325128	1.210508	1.720308	1.643953	1.959744	1.591445	1.553378	1.625191	1.04623
LOC787071	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787074	1	4.616162	4.243727	3.228956	2.774675	3.2097	0.967175	2.138107	2.855183	9.787591	3.413524	3.614644	3.832316	1.06022
LOC787076	1	0.041413	0	0	0	0	18.20522	0	0	0.96341	0.068843	0.008283	3.847494	464.5252
LOC787084	1	0	0	0	0	0	0	0	0	0.2057	0.595298	0	0.1602	#DIV/0!
LOC787088	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787102	0.16889	1.046338	0.776074	0.668119	0.743543	0.529383	0	0.037685	0.022917	0.137522	0.103183	0.752692	0.060261	0.080061
LOC787114	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787122	1	0.502651	0.077406	0.149696	0.136846	0.062001	0	0	0	7.677461	0.075961	0.18572	1.550685	8.349572
LOC787129	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787134	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787145	1	0	0	0	0	0	0	0	0	0.071653	0.046081	0	0.023547	#DIV/0!
LOC787150	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787153	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787175	1	0.047149	0	0	0.037653	0	0	0	0	0.081247	0	0.01696	0.016249	0.958088
LOC787187	1	0.130725	0	0.190333	0.052198	0.236497	0	0	0.112617	2.252677	0.941673	0.121951	0.661393	5.423448
LOC787188	1	0.018875	0.042632	0	0	0	0	0	0	0.195156	0.125508	0.012301	0.064133	5.213451
LOC787192	7.08E-10	0.04477	0.016853	0.097775	0.017876	0.080993	10.11371	5.660432	4.705324	2.160135	4.304081	0.051654	5.388736	104.3246
LOC787196	7.93E-06	0	0	0	0	0	8.028069	7.450814	16.59471	0.339873	1.238603	0	6.730414	#DIV/0!
LOC787207	1	0.007556	0.017066	0.008251	0	0	0	0	0	0.019531	0.018841	0.006575	0.007675	1.167271
LOC787210	2.40E-08	0.013377	0	0	0	0	3.150208	2.444533	1.693994	1.313901	3.291007	0.002675	2.378729	889.1316
LOC787215	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787225	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787229	1	0.015618	0	0	0.018709	0	0	0	0	0	0	0.006865	0	0
LOC787234	1	0.154032	0.144958	0.048057	0.123009	0.119426	0	0	0	0.018959	0.054868	0.117896	0.014766	0.125242
LOC787237	6.51E-07	0.072353	0.046691	0	0.111435	0	5.246995	4.195107	4.033713	2.190812	3.298986	0.046096	3.793122	82.28766
LOC787241	1	0	0	0	0	0	0	0.052929	0	0	0.372654	0	0.085117	#DIV/0!
LOC787243	1	0	0	0.023037	0.003159	0	0	0	0.027261	0	0.043836	0.005239	0.014219	2.714095
LOC787247	1	0	0	0	0.019229	0	0	0	0	0	0	0.003846	0	0
LOC787250	1	0	0.062889	0	0	0	0	0	0	0	0	0.012578	0	0
LOC787254	1	0.021415	0	0.187077	0.153917	0	0.112071	0.045506	0	0.442829	0.035599	0.072482	0.127201	1.754937
LOC787257	3.20E-13	0.033986	0.044138	0.033401	0.048855	0.004611	2.587891	1.79104	2.173938	2.486118	1.692077	0.032998	2.146213	65.04002
LOC787269	1	0.750622	0.328693	0.886576	0.605561	0.415703	0.881853	0.211586	0.217748	3.048922	1.22232	0.597431	1.116486	1.868811

LOC787274	1	0.018806	0	0	0	0	0	0	0	0	0.135468	0.003761	0.027094	7.203446
LOC787286	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787287	1	1.941111	2.613448	1.948982	2.138018	1.600784	1.952537	2.935546	3.583351	2.345807	1.550528	2.048469	2.473554	1.207514
LOC787289	0.100382	0.141342	0.059857	0.038586	0.021164	0	0.092461	0.82595	1.369843	9.772971	7.10749	0.05219	3.833743	73.45757
LOC787290	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787303	1	0	0	0	0.018748	0	0	0	0	0	0	0.00375	0	0
LOC787306	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787309	1	0.723501	0.897908	0.576077	0.573271	0.910092	0.808537	1.16106	1.548467	1.694796	1.321717	0.73617	1.306915	1.77529
LOC787311	1	0	0	0	0	0	0.509256	0.10339	0.125746	1.257647	3.639648	0	1.127137	#DIV/0!
LOC787323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787328	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787332	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787343	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787350	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787351	1	0.061915	0.023307	0	0	0	0	0	0	0	0.068616	0.017044	0.013723	0.80514
LOC787357	1	0.160692	0.022684	0.263209	0.240615	0.163524	0	0	0	0	0	0.170145	0	0
LOC787369	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787373	0.234738	0	0	0	0	0	2.578504	3.941573	0.449427	0.449492	0.144537	0	1.512707	#DIV/0!
LOC787383	1	0.003444	0.00778	0.003761	0.014441	0.004674	0	0	0	0	0.002863	0.00682	0.000573	0.083956
LOC787385	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787388	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787395	1	0	0	0	0	0	0.292955	0.178428	0	0.144695	0.046528	0	0.132521	#DIV/0!
LOC787397	1	0.364172	0.65606	0.984704	0.747839	0.211766	0.45377	0.405349	0.2465	0.134474	0.043241	0.592908	0.256667	0.432894
LOC787402	1	0	0	0	0.072223	0	0	0	0	0	0	0.014445	0	0
LOC787403	1	0	0	0	0.006212	0	0	0	0	0	0	0.001242	0	0
LOC787408	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787410	1	0	0.060968	0	0	0	0	0	0	0	4.307767	0.012194	0.861553	70.65581
LOC787415	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787418	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787423	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787424	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787432	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787433	1	0	0	0	0	0	0	0	0	0	0.100386	0	0.020077	#DIV/0!
LOC787452	6.66E-06	0	0	0	0.022386	0	1.271368	1.369991	0.531263	1.642324	1.227058	0.004477	1.208401	269.9062
LOC787455	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787465	1	0.060486	0	0	0.072456	0.164139	1.899256	0.064265	0	3.439594	0.050274	0.059416	1.090678	18.3566
LOC787476	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787484	5.66E-13	0.236073	0.088866	0	0.031421	0.284721	83.04935	28.25918	45.89428	14.23811	17.09256	0.128216	37.7067	294.0868
LOC787497	0.000479	1.048867	0.445926	0.107797	0.532135	1.339425	21.18132	21.71102	15.14823	7.017043	7.199902	0.69483	14.4515	20.79862
LOC787500	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787502	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787516	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787518	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787524	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787526	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC787530	1	0.239663	0.098419	0	0	0.709491	29.53156	39.05192	30.54748	0	0	0.209515	19.82619	94.62908
LOC787535	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787541	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787542	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787543	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787550	1	0.378562	0.475014	0	0	2.282873	75.72353	74.09649	61.74614	0	0	0.62729	42.31323	67.45406
LOC787551	1	0	0.12137	0	0	0	0	0	0	0	0	0.024274	0	0
LOC787554	1	5.615885	6.27799	5.525387	4.123319	1.354637	0.771852	2.150436	3.319146	2.768313	1.169292	4.579444	2.035808	0.444554
LOC787559	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787560	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787563	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787574	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787584	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787592	1	0.003698	0.002088	0	0	0	0	0	0	0	0	0.001157	0	0
LOC787600	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787601	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787605	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787611	1	0.0222	0.02507	0	0	0	0	0	0	0	0	0.009454	0	0
LOC787620	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787623	1	0.262976	0.210361	0.287165	0.341269	0.089204	0.17203	0.535527	1.585843	0.736391	0.236792	0.238195	0.653317	2.742781
LOC787624	0.003876	1.38434	1.80653	0.772632	0.902848	0.87655	0	0	0	0	0	1.14858	0	0
LOC787625	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787628	0.17233	0.044009	0.080762	0.2523	0.158155	0.477705	0	0	0	0	0	0.202586	0	0
LOC787631	1	0.002629	0.002969	0.003827	0	0	0.009171	0.005586	0.013587	0	0.017479	0.001885	0.009165	4.862119
LOC787637	1	0.045255	0	0	0	0	0	0	0	0	0	0.009051	0	0
LOC787640	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787642	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787656	1	0	0	0	0	0	0.094506	0	0.513384	0.933561	0.300193	0	0.368329	#DIV/0!
LOC787659	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787663	0.017875	0	0	0	0	0	0.057943	0.047055	0.035769	0.615311	0.404918	0	0.232199	#DIV/0!
LOC787665	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787667	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787668	1	0.016303	0.018411	0.035605	0.019529	0	0	0	0	0	0	0.01797	0	0
LOC787671	1	0.507591	0	0	0	0	0	0	0	0.218672	0	0.101518	0.043734	0.430803
LOC787679	0.002562	0	0	0.257043	0.80564	0.182507	21.02997	15.61323	19.07631	4.519873	5.450239	0.249038	13.13792	52.75468
LOC787684	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787687	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787690	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787691	1	0.049861	0.037539	0.145192	0.039819	0	0	0	0	0	0	0.054482	0	0
LOC787694	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787698	1	0	0	0	0	0	0.380955	0	0	0.376319	0.121008	0	0.175657	#DIV/0!
LOC787703	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787707	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787710	1	0.073077	0	0	0	0	0	0	0	0	0	0.014615	0	0
LOC787714	1	0.515486	0.135833	0.11258	0.1235	0	1.708549	1.46051	1.998367	1.598926	2.485039	0.17748	1.850278	10.42529
LOC787719	1	0	0.091223	0	0	0	0	0	0	0	0	0.018245	0	0

LOC787726	1	0	0	0	0	0	0	0	0.185496	0	0	0	0.037099	#DIV/0!
LOC787733	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787734	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787739	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787740	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787741	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787743	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787745	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787756	1	0.009334	0.010541	0.020386	0.011182	0	0	0	0	0	0.20172	0.010289	0.040344	3.921195
LOC787757	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787758	1	0	0	0	0	0	0	0	0	1.269155	0.163242	0	0.286479	#DIV/0!
LOC787760	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787770	1	0	0	0	0.006187	0	0	0	0	0	0	0.001237	0	0
LOC787774	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787779	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787782	1	0.146111	0.17135	0.220916	0.235611	0.091499	0	0	0	0.058103	0.018683	0.173098	0.015357	0.088721
LOC787786	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787787	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787793	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787795	1	0	0	0	0	0	0	0	0.018526	0	0	0	0.003705	#DIV/0!
LOC787799	1	0.001635	0.004309	0.007737	0.00457	0.00074	0.004279	0.001158	0.006339	0.009862	0.014497	0.003798	0.007227	1.902708
LOC787801	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787810	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787812	0.000541	0.954861	0.846787	1.26658	0.708748	0.254349	0.030657	0.024896	0	0	0	0.806265	0.011111	0.01378
LOC787816	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787818	1	0.006608	0.02612	0	0	0	0	0	0	0	0	0.006546	0	0
LOC787822	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787830	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787831	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787832	0.41681	0	0.024894	0	0	0	0	0.772874	0.341818	1.253514	0.952726	0.004979	0.664186	133.405
LOC787833	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787834	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787835	1	0.016874	0	0	0	0	0	0	0	0	0	0.003375	0	0
LOC787851	1	0.018423	0.030051	0.013411	0.002452	0	0	0.013049	0.00529	0.010582	0.023819	0.012868	0.010548	0.819747
LOC787858	1	1.328418	1.213487	2.823848	1.520579	0.528717	0.030898	0.15055	0.24414	1.068269	0.264993	1.48301	0.35177	0.2372
LOC787861	1	0.040953	0	0.178878	0.049057	0	0	0	0	0	0	0.053777	0	0
LOC787863	1	0.051104	0	0	0	0	0.468031	0.352932	0.495287	0	0	0.010221	0.26325	25.75607
LOC787866	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787867	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787869	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787875	1	0.054477	0	0	0.016314	0	0	0.289401	0.739159	2.675441	1.3131	0.014158	1.00342	70.87186
LOC787878	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787882	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787883	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787891	0.148512	0.05018	0.09273	0.164386	0.319675	0.092844	0.03581	0	0	0	0.007583	0.143963	0.008679	0.060284
LOC787898	1	0	0	0	0	0	0	0	0	0.099887	0	0	0.019977	#DIV/0!

LOC787904	1	0.015275	0	0	0	0	0	0	0	0	0.025393	0.003055	0.005079	1.662334
LOC787905	1	0	0.366677	0.223931	1.658142	0.602863	0.626029	0.21788	0.662486	0.530066	1.761279	0.570323	0.759548	1.331787
LOC787912	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787913	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787924	1	0	0	0	0	0	0	0	0	0	0.002943	0	0.000589	#DIV/0!
LOC787931	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787932	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787941	1	0	0	0	0	0	0	0	0	0.153019	0	0	0.030604	#DIV/0!
LOC787945	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787946	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787953	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787956	1	0.027782	0.06275	0	0	0	0.290788	0.295181	0.071802	0	0	0.018106	0.131554	7.265624
LOC787963	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787971	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787975	1	0	0	0.002882	0.004742	0	0	0	0	0.013643	0.004387	0.001525	0.003606	2.364969
LOC787979	1	0.004816	0.001483	0.003825	0.002098	0	0	0	0	0.004527	0.007278	0.002444	0.002361	0.965871
LOC787988	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787990	1	0.004333	0.00367	0.004732	0	0	0	0	0	0	0	0.002547	0	0
LOC787991	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC787998	0.064018	0.005389	0	0.023539	0.12911	0	0.564055	1.855141	0.807808	0.919363	2.902528	0.031608	1.409779	44.60238
LOC788001	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788013	1.26E-17	0.049982	0	0	0.029937	0	167.6691	25.25144	40.75523	12.91954	7.851759	0.015984	50.8894	3183.804
LOC788014	1	0	0	0.034381	0	0	0	0.033452	0	0	0.078508	0.006876	0.022392	3.256446
LOC788019	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788024	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788027	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788031	1	0.003493	0.001972	0.001335	0.001464	0	0.000914	0	0	0.004514	0.003484	0.001653	0.001782	1.078343
LOC788036	1	0.062971	0.066373	0.038202	0.032688	0.039873	0.267302	0.227479	0.256777	0.267666	0.281472	0.048021	0.260139	5.417148
LOC788037	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788040	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788041	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788043	0.014609	0.282066	0.039817	0.051335	0.084471	0.063786	1.230119	4.120707	2.612189	2.369539	1.660643	0.104295	2.39864	22.99858
LOC788047	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788055	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788064	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788077	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788078	1	0	0.011679	0	0	0	0	0	0	0	0	0.002336	0	0
LOC788079	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788080	1	0.014094	0.003673	0.002368	0.004545	0.013239	0	0.001152	0.001401	0.019616	0.005407	0.007584	0.005515	0.727225
LOC788083	1	0	0.022116	0	0	0	0	0	0	0	0	0.004423	0	0
LOC788089	1	0.041051	0	0	0	0	0	0	0	0	0	0.00821	0	0
LOC788100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788101	1	0.001675	0.00946	0.007318	0.004014	0	0	0.00356	0.00433	0.008661	0.025065	0.004493	0.008323	1.852319
LOC788106	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788107	1	0.004152	0.011722	0.004534	0.002487	0	0	0	0	0	0	0.004579	0	0
LOC788114	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC788115	1.98E-07	0.113308	0	0	0	0	20.30958	5.778595	5.563947	4.686111	7.958062	0.022662	8.859259	390.9354
LOC788120	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788126	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788129	1	0	0	0	0	0	0	0	0	0	0.066285	0	0.013257	#DIV/0!
LOC788130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788136	1	0.014604	0.012369	0	0	0	0	0	0	0	0	0.005395	0	0
LOC788142	1	3.173937	2.682325	1.744415	1.586282	3.507953	0.66001	0.267992	0.054324	1.412619	3.232074	2.538982	1.125404	0.44325
LOC788146	1	0	0	0	0	0	0	0	0	0	0.231996	0	0.046399	#DIV/0!
LOC788149	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788150	1	0.103192	0.209763	0.13522	0.123613	0	2.592171	3.201445	3.467008	1.493698	1.269388	0.114357	2.404742	21.0283
LOC788160	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788175	1	0.516358	0.620506	0.693973	0.610612	0.610791	0.173223	0.070336	0	0.273783	0.121051	0.610448	0.127678	0.209155
LOC788183	0.034786	2.525705	7.118543	1.885826	2.327328	8.728512	0.225946	0.091744	0.055791	0	0	4.517183	0.074696	0.016536
LOC788185	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788196	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788197	1	0	0	0.026159	0.014348	0	0	0	1.207262	0.309599	0.119465	0.008101	0.327265	40.39661
LOC788201	1	1.213586	1.360926	2.057322	1.758729	1.681182	1.820943	3.42639	5.549093	5.966692	4.218168	1.614349	4.196257	2.599349
LOC788205	1	20.53474	14.93733	19.84336	34.47574	19.69859	10.32582	12.13817	2.707055	16.0558	9.57659	21.89795	10.16069	0.464002
LOC788206	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788210	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788214	1	0	0	0	0	0	0	0	0	0.408802	0.032863	0	0.088333	#DIV/0!
LOC788220	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788223	1	0	0	0	0	0	0	0	0	0.369868	0	0	0.073974	#DIV/0!
LOC788226	0.001573	0.041168	0	0	0	0	0.387803	0.419905	0.957569	1.319509	1.574007	0.008234	0.931759	113.1652
LOC788228	1	0.011872	0	0	0	0	0	0	0	0	0	0.002374	0	0
LOC788229	1	0.9905	1.321106	1.054492	0.323895	0.838563	0.202146	0.36936	0.049914	0.527743	0.752181	0.905711	0.380269	0.419857
LOC788231	1	0	0.02283	0	0	0	0	0	0	0	0	0.004566	0	0
LOC788233	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788238	1	0.110044	0	0	0	0	0	0	0	0	0	0.022009	0	0
LOC788242	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788244	1	0	0.014372	0	0.007622	0	0.033301	0.135214	0.148007	0.049343	0.026444	0.004399	0.078462	17.83683
LOC788246	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788258	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788259	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788263	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788281	0.001861	0.54559	0.047395	0.183315	0.025137	0	8.675568	2.541654	2.494697	41.65664	22.60404	0.160287	15.59452	97.29102
LOC788284	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788285	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788286	1	0	0	0	0	0	0	0	0	0.049247	0	0	0.009849	#DIV/0!
LOC788292	1	0.03424	0.019334	0.07478	0.020508	0	0	0	0	0.442527	0.085379	0.029772	0.105581	3.546264
LOC788293	2.28E-11	0.048888	0.047322	0.004358	0.009561	0	1.696935	3.60626	2.820904	2.460269	2.671885	0.022026	2.651251	120.3702
LOC788294	1	0.013358	0	0	0	0	0	0	0	0	0	0.002672	0	0
LOC788298	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788310	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788322	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC788323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788333	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788334	0.017995	0.360085	0.454486	0.323816	0.18607	0.153279	0	0	0	0	0	0.295547	0	0
LOC788337	1	0.010841	0	0	0	0	0	0	0	0	0	0.002168	0	0
LOC788342	0.085803	0.023864	0.00385	0.022336	0.004084	0	0.071364	0.123152	0.070486	2.449729	2.19317	0.010827	0.98158	90.66241
LOC788345	1	0.002189	0.002472	0.00956	0	0	0	0	0	0	0	0.002844	0	0
LOC788357	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788363	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788364	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788372	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788379	6.28E-07	0	0	0	0	0.150784	4.071039	3.542168	5.88776	11.48998	5.634395	0.030157	6.125069	203.1068
LOC788390	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788394	1	0	0	0	0	0	0	0	0	0.055512	0	0	0.011102	#DIV/0!
LOC788396	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788405	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788413	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788414	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788425	1	0.356881	0.151136	0.259805	0.4186	0.040352	1.284028	0.631962	0.768616	0.845601	2.19999	0.245355	1.14604	4.670949
LOC788428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788429	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788438	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788445	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788449	1	0.007817	0	0	0.009364	0.042427	0.245461	0.182723	0.38386	0.303092	0.084466	0.011922	0.23992	20.12479
LOC788455	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788457	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788467	1	0.065811	0.074321	0.053898	0.019709	0	0	0.052442	0.127564	0.212638	0.095725	0.042748	0.097674	2.284881
LOC788476	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788484	1	0.024101	0	0	0	0	0	0	0	0	0	0.00482	0	0
LOC788490	1	0	0	0	0.042569	0	0	0	0	0	0	0.008514	0	0
LOC788501	1	0	0.074029	0	0.078525	0	0.17153	0	0	0.338884	0.381397	0.030511	0.178362	5.845854
LOC788502	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788512	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788523	1	0.207906	0.313053	0	0	0	0	0	0	0.716534	0.115203	0.104192	0.166347	1.596548
LOC788524	1	0	0	0	0.045588	0	0	0	0	0	0	0.009118	0	0
LOC788533	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788535	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788539	1	0.007873	0.003556	0.001719	0.000943	0	0	0.001673	0	0	0	0.002818	0.000335	0.118718
LOC788540	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788541	1	0.088798	0.125351	0.048483	0.106371	0	0.232356	0.047173	0.114747	0.803348	0.221419	0.073801	0.283809	3.845609
LOC788544	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788552	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788554	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788558	1	0	0.045612	0	0	0	0	0	0	0	0	0.009122	0	0
LOC788565	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788569	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC788572	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788573	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788583	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788587	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788588	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788590	1	0.005756	0.015602	0.002514	0.004137	0.003124	0	0	0	0	0	0.006227	0	0
LOC788595	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788599	1	0.120844	0.188235	0.182013	0.134775	0.316624	0.305305	0.292207	0.570783	0.603179	0.304789	0.188498	0.415253	2.202952
LOC788601	1	0.023129	0	0	0	0	0	0	0	0	0	0.004626	0	0
LOC788602	1	0.037952	0.067351	0	0	0	0.283737	0.207376	0.448389	0	0	0.021061	0.1879	8.921908
LOC788606	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788607	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788609	1	0.118186	0	0	0	0.145781	21.704	6.415485	15.82765	0	0	0.052794	8.789426	166.4868
LOC788612	1	0.007729	0	0	0	0	0	0	0	0	0	0.001546	0	0
LOC788615	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788619	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788620	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788626	1	0	0	0	0.040102	0	0	0	0	0	0	0.00802	0	0
LOC788628	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788633	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788634	1	0.278006	0.110465	0.056218	0.006167	0.419121	0.053885	0.131278	0.266108	0.266147	1.069767	0.173996	0.357437	2.054287
LOC788638	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788640	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788648	1	0.254108	0.052176	0	0	0.376126	0.120894	0	0.417917	0	0	0.136482	0.107762	0.789571
LOC788649	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788650	1	0	0	0	0	0	0	0	0	0.059382	0	0	0.011876	#DIV/0!
LOC788663	1	0	0	0	0.044461	0	0	0	0	0	0	0.008892	0	0
LOC788667	9.59E-06	0.039456	0	0	0	0	1.44539	5.868886	5.098542	4.079427	3.279421	0.007891	3.954333	501.1114
LOC788672	0.000881	0.283015	0.012784	0.098895	0.094926	0	3.199199	0.769783	1.433615	36.92828	28.77367	0.097924	14.22091	145.2237
LOC788674	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788675	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788692	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788693	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788694	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788703	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788704	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788707	1	0.002882	0.003254	0	0	0	0.030161	0.030616	0.055855	0	0	0.001227	0.023326	19.00841
LOC788709	1	0	0	0.06243	0	0	0	0	0	0	0	0.012486	0	0
LOC788713	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788722	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788723	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788724	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788731	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788732	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788736	1	1.392716	1.666701	1.339228	0.697211	1.015354	0.326353	0.706735	0.671529	1.611904	2.211495	1.222242	1.105603	0.90457
LOC788740	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC788741	1	0.04013	0	0	0	0	0	0	0	0	0	0.008026	0	0
LOC788745	7.56E-25	0.156507	0.044186	0.085451	0.09374	0.159266	32.96693	37.78829	29.62848	34.28503	31.05748	0.10783	33.14524	307.3839
LOC788748	0.000501	0	0	0	0	0	11.84659	1.834402	2.181488	13.68587	0.03189	0	5.916048	#DIV/0!
LOC788751	1	0	0	0.027714	0.007601	0	0	0	0	0	0.031642	0.007063	0.006328	0.896005
LOC788763	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788764	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788777	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788778	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788783	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788786	1	0.004458	0.009061	0.001947	0.001068	0	0.009331	0	0	0	0	0.003307	0.001866	0.564374
LOC788790	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788797	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788801	6.23E-10	0.106347	0.048039	0.278709	0.254785	0	104.2972	18.8017	12.58803	11.10547	14.00131	0.137576	32.15875	233.7525
LOC788815	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788820	1	0.244543	0.027616	0.053407	0.029294	0	0	0	0	0.252839	0	0.070972	0.050568	0.712505
LOC788825	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788834	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788836	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788845	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788853	1	0	0	0	0	0	0	0	0	0.111215	0	0	0.022243	#DIV/0!
LOC788864	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788868	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788871	1	0.025311	0	0	0	0	0	0	0	0	0	0.005062	0	0
LOC788872	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788874	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788875	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788881	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788890	1	0.002093	0	0	0	0	0	0	0	0	0	0.000419	0	0
LOC788891	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788898	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788906	1	0	0.037472	0	0.039748	0	0	0	0	0	0.110318	0.015444	0.022064	1.428613
LOC788915	1	0	0.010838	1.509046	0	0	0.050223	0	0.012401	0	0.031906	0.303977	0.018906	0.062196
LOC788939	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788946	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788947	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC788952	1	0.424784	0.377645	0.078954	0.303142	0.858412	0.236493	0.076821	0.093432	0	0.450723	0.408588	0.171494	0.419724
LOC788956	1	0.007141	0.016129	0	0	0	0	0	0	0	0	0.004654	0	0
LOC788961	1	0	0	0	0	0	0.095703	0.038859	0	0.189076	0.364792	0	0.137686	#DIV/0!
LOC788997	1	0.013248	0	0	0.006348	0	0	0	0	0	0	0.003919	0	0
LOC788998	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789005	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789018	1	0.239902	0.038703	0	0	0	6.456778	1.383686	1.151452	0	0	0.055721	1.798383	32.27479
LOC789025	1	0	0.045759	0	0	0	0	0	0	0	0	0.009152	0	0
LOC789029	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789031	1	0	0	0	0	0	0	0	0	0	0.131108	0	0.026222	#DIV/0!

LOC789033	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789035	1	0.011687	0	0.153143	0.041999	0	0	0	0.120817	0.362503	0.446834	0.041366	0.186031	4.497218
LOC789041	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789043	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789049	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789050	1	0	0	0.047309	0.025949	0	0	0	0	0	0	0.014651	0	0
LOC789077	1	0.007334	0.002761	0.010679	0.002929	0	0	0	0	0	0	0.004741	0	0
LOC789091	1	0.006086	0.013746	0.013291	0.00729	0	0	0.012932	0.031457	0	0.050583	0.008083	0.018994	2.350061
LOC789092	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789119	0.004048	0.005451	0.001894	0.001832	0.000502	0	0.103136	0.122069	0.040096	0.062863	0.054369	0.001936	0.076506	39.52211
LOC789121	1	0.056188	0.015863	0	0.016827	0	0.294051	0.208945	0.036304	0.290472	0.140105	0.017776	0.193975	10.9124
LOC789126	1	0	0	0.038513	0	0	0	0	0	0	0	0.007703	0	0
LOC789134	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789138	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789144	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789148	0.135618	0.087597	0	0.306095	0.104932	0	2.4755	2.196452	3.758082	1.630249	1.660023	0.099725	2.344061	23.50527
LOC789151	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789157	3.05E-05	0	0.017091	0	0.018129	0	0.554396	1.961655	1.994717	1.251769	3.245279	0.007044	1.801563	255.7654
LOC789170	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789175	1	0.055157	0.124578	0	0.198216	0.523871	0	0	0	0.14257	0.045844	0.180364	0.037683	0.208927
LOC789192	2.29E-07	0	0	0	0.030988	0.0351	6.159829	2.253782	2.507134	3.677665	1.333089	0.013218	3.1863	241.064
LOC789193	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789201	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789213	1	0.03591	0.040553	0	0	0	1.12757	0.381534	0.278421	3.341542	0	0.015293	1.025813	67.07892
LOC789225	1	0	0	0	0	0	0	0	0.034278	0	0	0	0.006856	#DIV/0!
LOC789231	1	1.550845	2.02453	1.833323	2.369055	3.706555	2.233784	2.207057	2.243049	1.618173	0.89876	2.296862	1.840165	0.801165
LOC789246	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789247	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789258	1	0.156024	0.181234	0.1363	0.09078	0.048388	0.279952	0.303126	0.66822	0.368727	0.689169	0.122545	0.461839	3.768714
LOC789264	9.51E-16	0.167686	0.084164	0.040691	0.133914	0.556167	104.1369	36.66191	58.40946	17.81916	23.50798	0.196525	48.10708	244.7892
LOC789269	1	0.010403	0.003204	0.002066	0.003399	0	0	0	0	0	0	0.003814	0	0
LOC789275	1	0	0	0	0	0	0	0	0	0	0.03144	0	0.006288	#DIV/0!
LOC789288	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789293	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789300	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789301	1	0.005822	0.006575	0	0	0	0	0	0	0	0	0.002479	0	0
LOC789304	0.00056	0	0	0	0	0	6.288473	0.851128	1.610269	9.663021	3.477119	0	4.378002	#DIV/0!
LOC789309	1	0	0	0	0.047165	0	0	0	0	0	0	0.009433	0	0
LOC789317	1	0	0	0.088462	0	0	0	0	0	0	0	0.017692	0	0
LOC789334	1	0	0.008327	0.032208	0	0	0	0	0	0	0	0.008107	0	0
LOC789337	1	0	0.022732	0	0	0	0	0	0	0	0	0.004546	0	0
LOC789349	1	0.010856	0	0	0	0	0	0	0	0.785702	0.766968	0.002171	0.310534	143.0241
LOC789352	1	0	0.023095	0.014888	0.008166	0	0	0	0	0	0.011332	0.00923	0.002266	0.245552
LOC789358	1	0	0.058267	0	0	0	0	0	0	0	0	0.011653	0	0
LOC789364	1	0.028945	0.011674	0.058699	0.049532	0	0	0	0	0.021376	0.006874	0.02977	0.00565	0.189788
LOC789367	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC789374	1.07E-25	3.540441	4.237388	3.750471	5.46583	5.602932	0	0	0	0	0	4.519412	0	0
LOC789375	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789376	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789384	1	3.197983	3.194536	3.593724	3.378108	2.437806	2.06919	1.074933	1.923492	2.570039	4.315718	3.160431	2.390674	0.756439
LOC789388	0.001405	0	0	0	0	0	0.319527	0.259483	0.883659	1.136298	0.893162	0	0.698426	#DIV/0!
LOC789393	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789418	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789457	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789459	1	0	0	0.017119	0.018779	0	0	0	0.020258	0.040522	0.03909	0.00718	0.019974	2.782048
LOC789481	1	0	0	0	0	0	0	0	0	0	0.059129	0	0.011826	#DIV/0!
LOC789494	2.72E-14	0.067679	0.015286	0.073904	0.048643	0.073463	20.75528	10.54158	7.153906	4.93324	3.768912	0.055795	9.430582	169.0218
LOC789503	1	0.025439	0.011491	0.16297	0.177762	0.006903	0.031064	0.003604	0	0	0.087396	0.076913	0.024413	0.317407
LOC789504	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789551	1	0.007836	0.001686	0.007334	0.001341	0	0.013669	0.019822	0.034716	0.046295	0.029153	0.003639	0.028731	7.894714
LOC789554	1	0	0	0.056849	0	0	0	0.027657	0	0	0	0.01137	0.005531	0.48649
LOC789569	1	0	0.000845	0	0.003585	0	0	0	0	0	0.004976	0.000886	0.000995	1.123031
LOC789578	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789580	1	0	0.009748	0	0.007755	0	0	0	0	0	0	0.003501	0	0
LOC789581	1	0	0	0	0.038523	0.174538	0	0	0	0	0	0.042612	0	0
LOC789587	1	1.065366	0.20625	0.332388	0.291702	1.569429	7.009086	1.940442	5.900095	11.64455	2.83359	0.693027	5.865552	8.463672
LOC789589	1	0	0	0.082695	0	0	0	0	0	0	0	0.016539	0	0
LOC789592	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789596	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789605	0.235869	0.024842	0	0	0	0	0.195013	0.23755	0.481529	0.706345	0.330371	0.004968	0.390162	78.52727
LOC789606	1.73E-05	0.207237	0.058509	0.792047	0.496497	0.984154	4.744866	8.311962	13.45677	72.31558	70.66506	0.507689	33.89885	66.77093
LOC789607	1	0.185949	0.083997	0.081221	0.089099	0	0.194627	0	0.096115	1.153549	0.247288	0.088053	0.338316	3.842165
LOC789612	1	0	0.055631	0	0	0	0	0	0	0	0	0.011126	0	0
LOC789615	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789626	1	0	0	0	0.028954	0	0.126495	0	0.062469	0.124955	0.140631	0.005791	0.09091	15.69887
LOC789648	1	0.003798	0.003336	0.007374	0.006572	0	0.002209	0.009865	0.010908	0.039273	0.038587	0.004216	0.020169	4.783517
LOC789649	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789657	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789659	1	0.012592	0	0	0	0	0	0.013379	0	0.097644	0.010466	0.002518	0.024298	9.648099
LOC789686	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789688	1	0.23991	0.204477	0.118631	0.097603	0.024567	0.118446	0.731029	1.368754	1.123243	0.451484	0.137038	0.758591	5.53564
LOC789690	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789694	0.26834	0.055544	0	0.015163	0.024951	0.075364	0.327016	0.575389	0.610091	1.615182	0.669414	0.034205	0.759418	22.20225
LOC789697	1	0	0	0	0	0	0	0	0.264369	0	0	0	0.052874	#DIV/0!
LOC789715	1	2.45207	3.029908	4.874937	3.358819	1.879862	0.230179	0.397215	0.45469	0.966356	0.840822	3.119119	0.577852	0.185261
LOC789716	1	0	0	0	0	0	0	0	0	0	0.029861	0	0.005972	#DIV/0!
LOC789732	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789733	1	0.257539	0.214014	1.241644	1.094316	0.712061	1.246064	0.733117	3.667045	2.361318	0.428115	0.703915	1.687132	2.396784
LOC789738	1	0.039497	0.013381	0.008626	0.018925	0.026796	0.279047	0.004196	0	0.673813	0.495713	0.021445	0.290554	13.54876
LOC789748	1	0.035756	0.111044	0.468539	0.117788	0.09703	0.046781	0	0	0	0.01486	0.166031	0.012328	0.074252
LOC789753	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789754	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC789763	0.152824	0	0	0	0	0	0.340484	0.276502	0.560486	0.448454	1.081527	0	0.541491	#DIV/0!
LOC789764	1	0.119149	0	0	0.089205	0	0	0	0	0.615958	0.321857	0.041671	0.187563	4.50106
LOC789766	1	0	0.075951	0	0	0	0	0	0	0	0	0.01519	0	0
LOC789787	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789799	1	0	0	0	0	0	0	0	0	0	0.029593	0	0.005919	#DIV/0!
LOC789802	1	0.078746	0	0.085989	0	0	0	0	0	0	0	0.032947	0	0
LOC789803	1	0.044971	0.066809	0.077731	0.017573	0.005221	0.003776	0.000511	0.003729	0.007459	0.008795	0.042461	0.004854	0.114317
LOC789808	1.63E-07	0.23981	0.128282	0.22052	0.272147	0.342508	10.30423	17.48676	5.121293	5.219912	6.609091	0.240653	8.948256	37.18318
LOC789810	1	0.039249	0	0	0	0	0	0	0	0	0	0.00785	0	0
LOC789812	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789815	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789817	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789829	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789841	1	0.110802	0	0	0	0	0	0	0.14318	2.57762	2.670745	0.02216	1.078309	48.65943
LOC789861	1	0.34196	0.261506	0.011761	0	0	0	0	0	0	0	0.123045	0	0
LOC789865	1	0.002405	0.002716	0	0	0	0	0.002556	0	0.018652	0.015994	0.001024	0.00744	7.263525
LOC789867	1.42E-43	0.188768	0.097852	0.351437	0.259487	0.092374	223.3755	75.77932	164.353	99.49002	179.8563	0.197983	148.5708	750.4206
LOC789871	0.002486	0	0	0	0	0	0.125499	0.22931	0.216919	0.144633	0.126236	0	0.168519	#DIV/0!
LOC789895	1	0	0	3.86758	0.083738	0	0	0	0	0	0.154938	0.790264	0.030988	0.039212
LOC789898	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789923	1	0.021497	0.017083	0.012172	0.000954	0	0	0	0.004115	0.032927	0.089998	0.010341	0.025408	2.457017
LOC789928	1	0.008029	0.003238	0.497271	0.745428	0.003113	0.015007	0.021937	0.020752	0.077089	0.05053	0.251416	0.037063	0.147417
LOC789929	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789936	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789943	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789957	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789960	1	1.820807	1.822271	2.352938	1.991343	0.800361	1.071521	1.320785	1.537093	4.09531	2.459519	1.757544	2.096846	1.193055
LOC789961	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC789990	0.024391	0	0.006727	0	0	0	0.109103	0.088601	0.115457	0.138569	0.128722	0.001345	0.11609	86.29047
LOC789996	1	2.76903	2.668884	2.97805	2.435141	1.872884	2.276569	1.706552	3.351184	1.535282	0.903922	2.544798	1.954702	0.768117
LOC789997	1	0.165179	0.074615	0	0	0	3.198417	0.947693	1.750275	0	0	0.047959	1.179277	24.58934
LOC790004	1	0	0.045563	0	0	0	0	0	0	0	0	0.009113	0	0
LOC790009	3.21E-07	3.380698	3.446718	3.657298	3.295892	3.092821	0.109776	0.118864	0.135531	0.289175	0.360321	3.374685	0.202733	0.060075
LOC790015	1	0	0	0	0	0	0	0	0	0.03783	0	0	0.007566	#DIV/0!
LOC790019	0.776302	0	0	0	0	0	0.10019	0.325451	0.296869	0.989708	0.350072	0	0.412458	#DIV/0!
LOC790024	1	0.041959	0.1232	0.036655	0.4021	0	0	0	0	0	0.2232	0.120783	0.04464	0.369589
LOC790033	1	0.019366	0.004374	0.016918	0.013919	0	0	0.00823	0	0.040046	0.006438	0.010915	0.010943	1.00253
LOC790037	1	0	0	0	0	0	0	0.018519	0	0	0	0	0.003704	#DIV/0!
LOC790098	1	0.020661	0.026227	0.021687	0.033191	0.02347	0.004191	0.002382	0.00207	0.013248	0.017838	0.025047	0.007946	0.317234
LOC790101	1	0.037001	0.019793	0.136099	0.055987	0	0	0	0.005033	0	0.003237	0.049776	0.001654	0.03323
LOC790111	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC790113	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC790121	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC790131	1	0.009433	0	0	0	0	0	0	0	0	0	0.001887	0	0
LOC790134	1	0	0	0.03351	0	0	0	0	0	0	0	0.006702	0	0
LOC790152	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC790154	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC790169	1	0.014719	0	0	0	0	0.05777	0	0.01902	0.057067	0.079518	0.002944	0.042675	14.49703
LOC790201	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC790218	0.030199	0.186874	0.105519	0.699645	0.799485	0.326003	2.375083	5.219012	5.416122	7.452565	9.208484	0.423505	5.934253	14.01223
LOC790266	5.04E-19	0.228166	0.016104	0.31144	0.307483	0.154792	24.6276	20.21178	35.82312	26.39206	27.92503	0.203597	26.99592	132.5949
LOC790271	1	2.914335	2.21908	1.631216	2.165714	0.57775	0.949805	0.704572	1.019291	1.876491	1.392459	1.901619	1.188523	0.625006
LOC790274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC790312	0.007345	0.324741	0.20374	0.748624	0.043223	0.146874	5.759344	5.597147	3.26385	15.66876	21.59315	0.29344	10.37645	35.36135
LOC790324	1	0	0	0.055754	0	0.046185	0	0	0	0	0	0.020388	0	0
LOC790343	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC790351	0.003925	0.006268	0.009438	0.004563	0	0	0.120275	0.115432	0.097195	0.432041	0.448036	0.004054	0.242596	59.84443
LOC790354	1	0.006423	0.004836	0.004676	0.002565	0	0	0	0	0	0	0.0037	0	0
LOC790589	1	0.018365	0	0.013369	0	0	0	0	0	0	0	0.006347	0	0
LOC790595	1	0.013254	0.014968	0	0	0	0	0	0	0	0	0.005644	0	0
LOC790666	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC790683	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC790871	0.005328	0.023713	0.004463	0.008631	0.009469	0	0.103416	0.235151	0.204285	1.328046	2.581964	0.009255	0.890572	96.22277
LOC790883	1.51E-17	0.030488	0.034431	0	0.109566	0.496414	333.9507	103.9174	201.7168	96.14467	15.35663	0.13418	150.2173	1119.523
LOC790886	1	0.088949	0.15785	0.222012	0.121773	0.68965	0.465498	0.189011	0.262723	0.525523	0.084493	0.256047	0.30545	1.192945
LOC790896	1	0	0	0	0	0	0	0.108447	0	0	0	0	0.021689	#DIV/0!
LONP1	1	20.11277	15.3723	20.50835	21.3997	12.23561	16.27451	16.34506	11.82663	11.90731	30.20447	17.92575	17.31159	0.965739
LONP2	1	17.70501	14.45432	16.30708	16.79608	13.5029	26.31581	40.28117	37.97518	28.77647	45.49852	15.75308	35.76943	2.270631
LONRF1	1	7.96828	7.78818	4.327765	4.922894	9.719131	6.375489	9.766009	15.82353	10.70373	15.85341	6.94525	11.70443	1.685243
LONRF2	1	0.459896	0.368386	0.286136	0.070465	0.130605	0.391803	0.437493	0.539005	1.188749	1.248981	0.263098	0.761206	2.893246
LONRF3	1	11.61343	14.72998	15.78538	15.38636	6.517525	9.275295	10.26599	10.00041	12.97575	10.41646	12.80654	10.58678	0.82667
LOR	0.00057	0.428787	0.548796	0.593088	1.147133	1.86174	0	0	0	0	0	0.915909	0	0
LOX	1	1.389172	0.603071	0.504336	0.341461	0.176248	0.226597	2.031841	0.671421	0.802091	0.587813	0.602858	0.863953	1.433096
LOXHD1	1	1.770256	2.016272	0.435703	0.913573	0.890879	0.092511	0.740536	1.931865	0.05222	0.654879	1.205337	0.694402	0.576106
LOXL1	1	2.650843	1.237213	3.268519	4.347173	1.433394	1.894063	1.351066	0.530886	0.202272	0.829284	2.587428	0.961514	0.37161
LOXL2	1	0.374247	0.202391	0.264772	0.252568	0.543552	0.193097	0.403229	0.231588	0.054499	0.22782	0.327506	0.222047	0.677992
LOXL3	1	1.23064	0.762528	1.355728	1.598112	2.733705	12.56722	3.749008	3.293105	4.391446	3.131966	1.536143	5.426549	3.532581
LOXL4	0.06279	0.036152	0.03062	0	0.043306	0	1.206114	1.046684	0.315334	0.607399	0.413163	0.022016	0.717739	32.60144
LPAR1	1	7.234894	6.280375	11.38815	15.81154	7.28855	34.6757	15.27095	12.25699	6.0043	5.162007	9.6007	14.67399	1.528429
LPAR2	1	0.01859	0.047237	0.101501	0.044538	0.025224	0	0.039504	0.048046	0.048053	0.146791	0.047418	0.056479	1.191072
LPAR3	1	0.271694	0.147021	0.333771	0.400046	0.107521	0.236978	0.144334	0.131659	0	0.216414	0.252011	0.145877	0.578852
LPAR4	1	0.322917	0.145869	0.394934	0.255302	0.140207	0.608376	0.343092	0.13353	0.834683	0.064416	0.251846	0.396819	1.575644
LPAR5	1	0.392062	0.20908	1.486543	1.108894	0.192098	0.626936	0.219849	0.112585	0.394104	0.262506	0.677736	0.323196	0.476876
LPAR6	1	2.565639	2.542374	0	0	4.100327	4.776342	2.909091	2.516015	0.104849	0	1.841668	2.061259	1.119235
LPCAT1	1	9.475235	9.33035	8.395177	9.834518	18.64434	5.325085	6.01537	7.023923	4.046368	7.799601	11.13592	6.042069	0.542575
LPCAT2	1	3.250025	2.426792	3.742896	3.563434	1.180753	21.28379	19.64287	6.724193	8.492537	0.989005	2.83278	11.42648	4.033663
LPCAT3	1	1.943299	2.003106	3.489269	2.29662	2.796004	3.924635	3.464273	5.157175	3.034074	3.295454	2.50566	3.775122	1.506638
LPCAT4	1	14.02973	15.59785	21.72985	25.23387	54.76755	13.34108	17.94003	22.89964	11.04821	25.74923	26.27177	18.19564	0.692593
LPGAT1	1	26.40339	33.59104	20.40693	20.30079	22.41411	8.183948	14.79756	14.74844	11.64638	5.482815	24.62325	10.97183	0.445588
LPIN1	1	4.99527	6.190246	4.987535	4.65259	5.443318	1.948283	4.72289	3.403412	3.64807	3.357545	5.253792	3.41604	0.650205
LPIN2	1	16.84799	24.12423	22.20076	33.57683	15.168	28.0334	12.6913	6.046323	8.743311	11.9904	22.38356	13.50095	0.603163
LPIN3	1	0.524651	0.60175	1.745582	2.322418	1.134536	1.244133	0.400652	0.709745	0.466169	0.838077	1.265787	0.731755	0.578103

LPL	1	9.71841	4.438617	1.283563	1.99894	3.00465	19.8001	12.09853	3.363357	5.452686	2.73034	4.088836	8.689003	2.125055
LPO	1	0.072513	0.210573	0.075412	0.057909	0.206147	0	0.02935	0.303419	0	0.068881	0.124511	0.08033	0.645164
LPP	1	1.906822	1.409469	2.224157	1.842791	1.352634	1.181525	0.494286	2.003056	2.617236	1.614944	1.747175	1.582209	0.905582
LPXN	1	0.419363	0.315726	0.808123	0.561453	0.490908	4.733588	2.98789	6.120393	1.487812	1.817982	0.519114	3.429533	6.606509
LRAT	1	2.008068	2.803889	3.365648	2.983506	3.041434	0.285125	0	0.120692	3.500564	0	2.840509	0.781276	0.275048
LRBA	1	2.187695	2.362272	4.556534	3.544023	1.80212	1.590917	2.499323	3.441955	4.162753	3.558471	2.890529	3.050684	1.055407
LRCH1	1	2.090714	2.273238	3.910974	2.232983	2.327285	4.139358	2.898826	5.661728	4.513961	3.482852	2.567039	4.139345	1.612498
LRCH2	1	2.881584	2.776005	2.340538	1.835889	0.966019	3.019976	4.944759	7.708767	7.47743	3.00864	2.160007	5.231914	2.422175
LRCH3	1	8.360742	9.240944	11.32629	10.78569	6.526137	9.792845	12.27784	18.6107	16.92449	7.500783	9.24796	13.02133	1.408022
LRCH4	1	1.933486	1.968827	7.686185	7.533865	2.181272	12.93243	11.18313	30.2486	9.405804	11.44797	4.260727	15.04359	3.530756
LRCOL1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LRFN1	1	2.25491	1.968317	5.335707	5.29857	4.024907	2.14737	1.575859	3.80405	2.140697	6.971172	3.776482	3.32783	0.881198
LRFN2	1	1.515096	1.679322	1.845943	2.369485	3.31202	0.403791	1.535226	0.208474	0.054392	1.072735	2.144373	0.654924	0.305415
LRFN3	1	2.385015	2.405913	3.911462	5.168272	1.563496	1.402423	2.619435	1.558299	1.500802	4.811086	3.086832	2.378409	0.770502
LRFN4	1	1.538568	1.670686	0.193856	0.496203	1.344885	1.161321	1.556098	1.739649	0.611834	1.610804	1.04884	1.335941	1.273733
LRFN5	1	11.94238	12.85326	6.570269	8.592795	10.54695	5.847137	16.59156	9.359317	5.371434	2.435456	10.10113	7.92098	0.784168
LRG1	1	0	0	0.121065	0.026561	0	0.406143	0.235587	0.4871	1.604799	0.202728	0.029525	0.587271	19.89051
LRGUK	1	0.11261	0.117751	0.163958	0.109915	0	0.28375	0.655835	0.355709	0.495909	0.540788	0.100847	0.466398	4.624822
LRIF1	1	5.007987	4.81878	3.147	3.273823	3.263628	3.507449	3.8057	6.774551	2.579324	2.494389	3.902243	3.832282	0.982072
LRIG1	1	25.60537	16.60278	39.26455	32.02285	28.08227	2.53334	10.39432	10.57725	19.39007	12.81892	28.31556	11.14278	0.393521
LRIG2	1	3.711294	5.447949	5.689202	5.525729	4.059832	1.394183	2.069181	2.943965	3.114001	1.959027	4.886801	2.296072	0.469852
LRIG3	1	2.300437	0.49419	0.70144	0.942606	0.719046	1.827902	1.151697	1.732763	2.262259	0.747467	1.031544	1.544418	1.49719
LRIT1	1	0.020097	0.022696	0.021946	0.024074	0	0	0	0	0.519478	0.167042	0.017763	0.137304	7.729909
LRIT2	1	0	0	0	0	0	0	0	0	0.115172	0	0	0.023034	#DIV/0!
LRIT3	1	0.252431	0.387698	0.970288	0.68944	0.109602	0.211369	0.643684	1.122118	1.148381	0.117495	0.481892	0.648609	1.345965
LRMDA	1	0.196329	0.096216	0.088991	0.075435	0.110575	0.523419	0.259759	0.114883	0.3064	0.049262	0.113509	0.250745	2.209024
LRMP	1	9.581614	4.361045	1.820367	3.828972	5.416083	9.524506	15.01441	0.533603	4.901956	1.487276	5.001616	6.29235	1.258063
LRP1	1	27.3334	19.40905	52.41085	39.19531	11.33165	14.93692	24.16395	38.06752	24.34078	33.65922	29.93605	27.03368	0.903048
LRP10	1	3.542058	2.225118	2.636611	2.762731	3.73971	5.364333	3.279316	5.622062	1.501397	2.612718	2.981245	3.675965	1.23303
LRP11	1	29.33085	28.60167	19.94699	24.70072	21.03397	17.06861	35.42965	17.69988	29.76493	23.66194	24.72284	24.725	1.000087
LRP12	1	8.218449	7.544342	7.823101	5.754725	7.209489	2.902194	16.32649	10.14926	9.40068	9.952911	7.310021	9.746305	1.33328
LRP1B	1	2.209515	3.333507	3.267658	2.132695	0.393432	1.471945	4.454808	3.836887	0.989341	1.205037	2.267361	2.391604	1.054796
LRP2	1	0.012164	0.012363	0.124857	0.017485	0.006602	0.031829	0.041356	0.581577	1.471447	0.250731	0.034694	0.475388	13.7023
LRP2BP	1	0.301063	0.51308	0.812922	0.668827	0.623881	0.057293	0.942169	1.329811	0.764045	0.764351	0.583955	0.771534	1.321222
LRP3	1	3.964056	4.759963	12.80598	15.55934	4.162801	3.188684	2.787497	6.132106	11.33956	58.99644	8.250428	16.48886	1.998546
LRP4	1	12.15802	8.413053	24.00834	29.23217	9.940325	2.436688	5.086569	8.518262	5.633058	2.479365	16.75038	4.830789	0.288399
LRP5	1	2.664855	1.822039	4.450075	5.333384	0.747751	1.138454	1.533161	0.824586	1.686898	1.036652	3.003621	1.24395	0.41415
LRP6	1	7.071525	7.013752	9.365064	8.071344	4.273051	3.970129	4.214927	2.975694	5.516498	3.774316	7.158947	4.090313	0.571357
LRP8	1	15.78329	17.75079	18.67598	13.34875	18.23875	22.89795	26.50723	20.12627	22.54979	18.03637	16.75951	22.02352	1.314091
LRPAP1	1	19.42348	21.97613	26.00284	34.65399	24.64357	16.87812	18.78195	14.06947	14.2909	15.39842	25.34	15.88377	0.626826
LRPPRC	1	25.10461	25.63001	19.89433	21.32651	17.01968	29.49501	41.98565	27.16435	30.96963	20.66479	21.79503	30.05589	1.379025
LRR1	1	0.199161	0.258651	0.239228	0.262431	0.56748	0.521137	1.629347	2.110353	3.14025	1.638806	0.30539	1.807979	5.920226
LRRC1	1	3.921139	6.076714	8.792358	14.20895	7.905014	5.104458	6.106587	2.909918	2.368883	2.840168	8.180834	3.866003	0.472568
LRRC10	1	0.066858	0	0.438043	0.276668	0	0	0	0	0.251367	0.242486	0.156314	0.098771	0.631874
LRRC10B	1	0.113033	0.11783	0.664623	1.354016	0.566279	1.82012	0.221713	0.33707	0.314645	0.635965	0.563156	0.665903	1.182448
LRRC14	1	2.98438	2.018701	4.222308	4.74212	5.225592	2.569582	3.146375	3.965532	1.864071	7.052577	3.83862	3.719628	0.969001

LRRC14B	1	0.242595	0.03044	0.014717	0.177591	0	0	0	0	0.209021	0	0.093069	0.041804	0.449177
LRRC15	1	0.065302	0.029498	0.071309	0.086047	0.017721	0.034175	0	0.016877	0	0	0.053975	0.01021	0.189166
LRRC17	1	1.287668	0.323149	0.145819	0.045703	0.543559	0.748754	0.506709	1.06	0.493095	0.412251	0.46918	0.644162	1.372953
LRRC18	1	0	0.282227	0.05458	0	0	0	0	0.064588	0	0	0.067361	0.012918	0.191767
LRRC19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LRRC2	5.43E-06	0.031967	0.024614	0.063469	0.012184	0.019716	0.623558	0.373611	2.065452	0.45071	1.328514	0.03039	0.968369	31.86459
LRRC20	1	1.185038	1.43975	1.619081	1.426277	2.408042	15.40135	7.470895	4.659311	4.790643	6.740701	1.615637	7.812581	4.835603
LRRC23	1	0.744794	0.431916	1.318865	1.229767	1.229063	0.421378	0.513292	1.274581	2.341407	0.250965	0.990881	0.960325	0.969163
LRRC24	1	3.583361	3.57603	6.960075	6.697497	2.744807	2.101389	1.371683	3.441674	4.598325	3.852872	4.712354	3.073189	0.652156
LRRC25	1	0.160979	0.225079	0.8873	0.596872	0.312031	0.441286	0.19547	0.079246	0	0.229372	0.436452	0.189075	0.433208
LRRC26	1	0	0.010961	0.042395	0.186026	0	0	0	0	0	0.484032	0.047876	0.096806	2.022014
LRRC27	3.59E-06	2.363157	2.809186	2.639724	4.844087	3.66942	0.200278	0.054214	0.041211	0.412168	0.493032	3.265115	0.240181	0.07356
LRRC28	1	7.396914	6.588439	5.139209	6.23335	9.421923	10.73484	4.78335	4.142378	5.233239	5.387864	6.955967	6.056334	0.870667
LRRC3	1	0.895407	0.345596	1.014897	0.882521	0	0.118632	0	0.087878	0.761723	0.320303	0.627684	0.257707	0.410568
LRRC30	1	0	0	0.014524	0	0.018047	0	0	0	0	0	0.006514	0	0
LRRC31	1	0	0	0	0	0	0	0.02384	0	0	0.009325	0	0.006633	#DIV/0!
LRRC32	1	0.50403	0.299954	0.575513	0.673923	1.004547	2.112394	0.617736	0.432411	0.52978	0.264223	0.611593	0.791309	1.293848
LRRC34	1	6.056483	7.212861	2.562416	3.078189	4.55166	4.064642	6.373409	2.114067	6.449909	3.2003	4.692322	4.440465	0.946326
LRRC36	0.030452	0.02917	0.010981	0.233592	0.273721	0.079159	2.900508	2.717037	2.512975	2.06094	1.438565	0.125325	2.326005	18.55984
LRRC38	1	1.083104	1.399034	1.762497	0.407041	1.863407	0.444568	0.27077	0.8233	0.805122	1.859319	1.303017	0.840616	0.64513
LRRC39	5.53E-07	0.17708	0.094107	0	0	0	4.251995	5.51148	3.392015	2.800166	0.502153	0.054237	3.291562	60.68808
LRRC3B	1	2.401023	1.528085	5.199301	1.828074	5.908201	7.507257	4.367011	25.79409	19.09198	13.30997	3.372937	14.01406	4.154855
LRRC3C	1	0.003807	0	0	0.009121	0	0.13947	0.105171	0.059037	0.118091	0.025315	0.002586	0.089417	34.58151
LRRC4	1	13.97015	17.28901	0.279535	0.254294	14.68128	8.381146	20.21293	8.584534	0.580993	0.243907	9.294855	7.600701	0.817732
LRRC40	1	4.895895	4.114577	4.214812	3.709803	2.703516	6.465041	12.12132	11.88809	14.95056	10.08809	3.92772	11.10262	2.826734
LRRC41	1	16.70397	15.40289	21.80828	27.8526	32.14962	28.20021	20.18295	21.09428	14.56683	20.94672	22.78347	20.9982	0.921642
LRRC42	1	6.095858	4.496543	5.463764	4.952545	7.203327	7.621968	10.93176	9.774405	6.679137	5.056913	5.642408	8.012837	1.42011
LRRC43	1	0.201551	0.248305	0.340139	0.219488	0.298332	0.958893	1.245922	0.899731	2.225974	0.685319	0.261563	1.203168	4.599917
LRRC45	1	1.037653	1.062651	2.026907	1.667625	1.066875	2.226118	3.136249	9.111307	2.632168	5.956887	1.372342	4.612546	3.361076
LRRC46	1	0.950782	0.927909	1.127959	1.785739	3.121614	2.088588	1.596337	0.637063	1.6384	0.83904	1.582801	1.359886	0.859164
LRRC47	1	6.726505	7.258259	12.12316	15.13089	8.63941	4.528413	3.503985	4.163223	3.685551	8.648625	9.975646	4.90596	0.491794
LRRC49	1	11.74938	14.16913	10.43558	9.117675	11.93394	8.187907	16.80287	28.6951	52.21456	22.23264	11.48114	25.62662	2.232062
LRRC4B	1	16.98615	19.9222	43.24588	56.6615	9.001994	8.813735	8.729968	5.429762	15.17037	58.91943	29.16354	19.41265	0.665648
LRRC4C_1	1	20.99017	19.19701	5.550006	8.821653	11.11044	9.165686	15.84337	5.670341	6.371431	5.632556	13.13386	8.536676	0.649975
LRRC4C_2	0.01092	0.156622	0.121102	0.025737	0.01226	0.01049	0.005258	0.004994	0.007878	0.007395	0.005718	0.065242	0.006249	0.095778
LRRC51	1	0.82349	0.599982	3.94503	4.407219	2.811372	5.213216	3.273958	3.741623	2.952536	1.302677	2.517419	3.296802	1.309596
LRRC52	1	0	0	0	0.046724	0	0	0	0	0	0	0.009345	0	0
LRRC55	0.00966	2.164549	4.170992	2.363645	3.88453	0.524063	0.042111	0.341975	0.041592	0.083197	0.026752	2.621556	0.107125	0.040863
LRRC56	1	1.044188	0.933539	0.585953	1.146591	2.971326	0.037948	0	0	0.524813	0.650921	1.336319	0.242736	0.181645
LRRC57	1	5.967935	4.543324	2.873252	2.877853	7.968153	11.07594	8.954073	11.03811	8.674062	4.643394	4.846103	8.877116	1.831805
LRRC58	1	1.327697	2.508047	6.115602	3.845974	0.589571	0.631661	3.539436	3.431358	6.114945	5.377239	2.877378	3.818928	1.327225
LRRC59	1	15.73178	15.53968	14.17932	17.82167	8.30992	13.13696	20.94564	18.78347	12.50149	25.78006	14.31647	18.22952	1.273325
LRRC6	1	2.207019	2.013092	2.595407	4.016503	1.929189	17.21402	9.808003	13.71133	5.485331	23.90012	2.552242	14.02376	5.494684
LRRC61	1	3.910287	2.636558	7.384514	8.224745	13.82581	0.240751	0.268826	0.297233	1.426925	9.922368	7.196384	2.43122	0.337839
LRRC63	7.29E-06	0.755623	0.578062	0.372637	0.598571	0.330728	0.063781	0.025898	0.047247	0	0	0.527124	0.027385	0.051952
LRRC66	1	0.105808	0.243246	0.239333	0.19012	0.143564	0.177984	0.297105	1.142648	1.504217	0.420874	0.184414	0.708566	3.842253

LRRC69	0.002149	0.153554	0.193419	0.870638	0.293599	0.200335	0.030908	0.0251	0.015264	0.061063	0.009818	0.342309	0.02843	0.083055
LRRC7	1	4.720385	4.600845	3.187617	3.588811	1.128565	7.139288	14.19592	0.335454	2.684021	1.730535	3.445245	5.217043	1.514273
LRRC71	1	0.653906	0.75353	2.215019	2.674975	0.857064	0.302635	0.274122	0.126461	3.242478	1.050036	1.430899	0.999146	0.698265
LRRC72	1	0.047011	0	0.051335	0.337885	0	0	0	0	0	0	0.087246	0	0
LRRC73	1	15.58771	12.82684	10.3077	19.49448	58.11013	51.96505	29.13523	5.610297	3.185664	7.030922	23.26537	19.38543	0.833231
LRRC74A	1	0	0	0	0	0	0	0.015743	0	0.0383	0.012316	0	0.013272	#DIV/0!
LRRC74B	1	0.570672	0.832733	0.350091	0.499262	0.92221	0.100669	0.803891	0.331431	0.132592	0.234497	0.634994	0.320616	0.504912
LRRC75A	0.00212	3.894259	2.777103	2.439655	3.150208	5.810152	0.081195	0.23078	0.200488	0	0.644777	3.614275	0.231448	0.064037
LRRC77	1	0.159048	0.089807	0.231569	0.365168	0.143868	0	0	0	0	0	0.197892	0	0
LRRC8A	1	12.08251	10.32939	22.38327	22.13355	12.11812	3.180075	6.058333	7.295326	14.86673	15.62179	15.80937	9.404451	0.594866
LRRC8B	1	19.62865	25.94843	13.18879	18.87881	13.7727	10.39654	25.08838	3.483702	6.369455	1.954192	18.28348	9.458455	0.517323
LRRC8C	1	2.664718	4.06557	5.657984	4.691346	1.753011	5.775344	3.231567	0.991284	2.435086	0.402696	3.766526	2.567195	0.681582
LRRC8D	1	11.35755	11.45327	9.010296	12.25208	9.831959	32.71207	34.78257	14.32394	12.27238	7.542468	10.78103	20.32669	1.885412
LRRC8E	1	0.203863	0.028778	0.157685	0.345959	0.023051	0.20004	0.063175	0.735426	0.329343	1.044906	0.151867	0.474578	3.124955
LRRC9	1	0.517371	0.706142	0.395125	0.437251	0.215334	0.18272	0.829599	2.378917	3.757595	0.685924	0.454244	1.566951	3.449577
LRRCC1	1	22.11426	23.56651	15.29865	17.56085	16.72671	6.940611	9.797424	18.78264	11.66465	4.194737	19.0534	10.27601	0.539327
LRRD1	1	0.362286	0.15547	0.094946	0.173592	0.07865	0	0	0	0	0.132493	0.172989	0.026499	0.153181
LRRFIP1	1	11.98307	10.6272	8.287963	9.770987	8.148855	8.588141	6.871369	6.47224	7.688284	4.584503	9.763615	6.840907	0.700653
LRRFIP2	1	16.10155	14.16459	10.57523	12.70346	14.31963	11.90784	14.91812	15.91067	15.62222	10.39536	13.57289	13.75084	1.013111
LRRIQ1	1	0.925888	0.763522	0.29095	0.327149	0.027114	0.087149	0.028309	0.421771	0.723142	0.088583	0.466925	0.269791	0.577804
LRRIQ3	1	0.028651	0.129424	0.031287	0.051482	0	0.374853	1.035001	0.814522	0.074058	0.011907	0.048169	0.462068	9.592709
LRRIQ4	1	0	0	0.047889	0	0	0	0	0.05667	0	0.036451	0.009578	0.018624	1.94453
LRRK1	1	0.939393	0.533057	1.73167	1.635017	0.441694	0.961326	0.755972	0.62498	2.692614	0.807849	1.056166	1.168548	1.106406
LRRK2	1	4.098439	5.10354	5.032462	4.791981	1.277826	3.605169	3.112996	3.267801	2.82875	0.891485	4.06085	2.74124	0.675041
LRRN1	1	6.005359	6.113462	0.348584	0.258912	4.592998	9.031639	11.49628	19.50806	0.189092	0.182412	3.463863	8.081497	2.333088
LRRN2	1	8.060699	6.966577	15.05942	20.28059	10.86264	3.013163	7.544731	7.263003	4.39387	8.796317	12.24599	6.202217	0.506469
LRRN3	1	9.633334	8.238831	0.454689	0.223416	6.591334	6.264913	13.1707	14.02337	1.861085	0.547974	5.028321	7.173608	1.426641
LRRN4	1	0	0	0.011035	0	0	0	0.010737	0.24811	0	0.134388	0.002207	0.078647	35.63558
LRRN4CL	0.041309	85.64859	75.76338	78.31164	118.5482	179.7557	11.92192	10.75107	25.78659	39.39303	34.96298	107.6055	24.56312	0.22827
LRRTM1	1	4.068119	4.454934	0.210702	0.423754	3.75257	2.945229	5.808589	0.207783	0	0.02673	2.582016	1.797666	0.696226
LRRTM2	1	10.51002	13.244	0.641841	0.486161	1.120322	4.467568	13.93226	6.72734	0.036174	0.116319	5.200467	5.055933	0.972207
LRRTM3	1	7.377545	6.671859	0.418292	0.375032	4.537786	2.968449	11.1609	5.597257	0.114246	0.459209	3.876103	4.060012	1.047447
LRRTM4	1	8.177219	8.021411	3.233246	3.277951	5.612836	1.929928	5.508135	1.077397	1.906441	0.657452	5.664533	2.215871	0.391183
LRSAM1	1	5.244119	4.343786	5.239755	5.886396	3.972085	5.413965	5.975155	7.693853	5.404972	11.20557	4.937228	7.138703	1.445893
LRTM1	1	0	0	0	0.033305	0	0	0	0	0	0	0.006661	0	0
LRTM2	1	2.470744	4.212693	0.752384	1.218695	9.801549	0.535237	0.308836	0.361706	0.055655	0.510044	3.691213	0.354296	0.095984
LRWD1	1	1.56368	2.200258	10.39114	6.360602	4.697143	2.756923	2.896293	5.100176	3.285337	9.897018	5.042565	4.78715	0.949348
LSAMP	1	37.82749	50.00925	37.06524	33.89605	31.16127	21.53468	38.87459	30.40954	41.83815	22.97009	37.99186	31.12541	0.819265
LSG1	1	12.98391	11.64345	7.624786	8.070501	7.810068	7.445299	8.965062	12.00246	5.494883	8.426842	9.626542	8.466909	0.879538
LSM1	1	10.12081	12.46639	6.061358	7.249195	38.62025	29.70437	18.71262	12.45812	12.51387	18.10765	14.9036	18.29932	1.227846
LSM10	1	1.497295	2.37979	3.189291	3.963634	5.919179	5.997798	3.142396	2.054271	4.87363	8.173764	3.389838	4.848372	1.430267
LSM11	1	2.039926	2.273739	4.873591	4.357544	1.791899	1.835833	2.16737	3.451227	3.139321	2.366866	3.06734	2.592123	0.845072
LSM12	1	16.93031	17.38331	13.8864	15.4379	27.19514	39.18547	31.62022	21.75508	20.85063	21.02899	18.16661	26.88808	1.480082
LSM14A	1	20.89162	17.47011	19.41114	18.11917	14.3105	38.25586	34.49177	46.34214	54.66344	40.22179	18.04051	42.795	2.372161
LSM14B	1	31.52662	32.51051	27.99655	30.1755	52.14064	39.72957	41.74939	61.19446	40.99202	61.12205	34.86996	48.9575	1.404002
LSM2	1	7.458111	6.457241	9.081918	8.392569	15.76178	29.33219	13.20676	19.68393	7.594312	14.95258	9.430324	16.95396	1.797813

LSM3	1	33.74092	27.54893	9.756713	12.35778	55.51132	37.06893	20.11035	14.20443	22.03146	12.40986	27.78313	21.16501	0.761793
LSM4	1	21.66049	23.19326	15.50487	22.0853	66.64293	55.4461	23.16767	25.88388	15.91645	43.29266	29.81737	32.74135	1.098063
LSM5	1	12.19343	10.42621	5.449518	5.021586	16.43163	29.33796	20.99699	13.80047	10.40561	9.291364	9.904476	16.76648	1.692818
LSM6	1	43.47902	43.48403	23.72351	22.39477	59.18782	51.46203	35.5349	24.9709	22.90564	19.29278	38.45383	30.83325	0.801825
LSM7	1	18.70766	19.2662	9.994324	9.297213	44.30887	34.86968	12.91384	23.3702	22.14341	42.23536	20.31485	27.1065	1.334319
LSM8	1	6.250512	4.529082	3.909405	3.526952	8.06948	11.15961	5.903121	8.772253	3.84316	3.935032	5.257086	6.722636	1.278776
LSMEM1	0.000101	0.16752	0.252242	0.081302	0.059458	0.90919	0.03247	0	0.03207	0.032075	0	0.293942	0.019323	0.065737
LSMEM2	1	0.239374	0.078845	0.283174	0.161294	0.054132	0.104394	0.021194	0.025777	0.077342	0.878739	0.163364	0.221489	1.355803
LSP1	1	1.359774	2.149841	3.808195	7.090354	3.320982	5.02316	5.812897	1.385031	3.845572	5.890332	3.545829	4.391398	1.238469
LSR	1	1.753889	1.298339	3.94039	4.312524	6.376335	19.10394	3.245457	2.36401	1.952219	2.218049	3.536295	5.776736	1.633556
LSS	1	8.494503	8.347247	12.33086	13.11173	11.7206	4.069468	9.429308	12.60418	8.804549	6.624785	10.80099	8.306458	0.769046
LST1	1	0.259302	0.451797	1.569476	1.597456	0.985125	0.930523	0.062972	0.019147	0	0.024631	0.972631	0.207455	0.213292
LTA	1	0.076813	0	0	0	0.138964	0.535986	0.734511	1.852852	0.066183	0.553321	0.043156	0.748571	17.34588
LTA4H	1	11.01301	11.57136	7.496478	8.601085	14.37656	10.4304	16.47014	15.82717	22.54434	25.17429	10.6117	18.08927	1.704654
LTB	1	2.108437	1.961498	1.886525	2.280904	6.729817	0.048609	0.13816	0.024005	0.096034	0.75657	2.993436	0.212675	0.071047
LTB4R	1	0.020425	0	0.044608	0	0.110854	0	0	0	0	0.016977	0.035177	0.003395	0.09652
LTB4R2	1	0	0.033935	0	0	0	0	0	0	0	0.599426	0.006787	0.119885	17.66395
LTBP1	1	11.52361	8.885413	4.413562	4.619286	5.272816	6.329945	10.35723	1.10648	2.41449	0.43299	6.942937	4.128228	0.594594
LTBP2	1	0.439072	0.247923	2.097629	0.442516	0.257776	1.093668	0.07177	5.810171	13.4008	11.33426	0.696983	6.342134	9.099409
LTBP3	1	5.720725	5.884147	9.725318	9.948272	5.601049	5.290257	8.088052	26.10037	12.08168	23.38535	7.375902	14.98914	2.032177
LTBP4	1	5.501296	3.318339	10.75823	14.0011	2.813739	5.732778	1.156554	1.175171	6.197257	2.433701	7.278542	3.339092	0.458758
LTBR	1	1.937158	1.226258	7.000539	6.181089	4.172446	2.545811	0.590689	2.581815	0.987968	2.108295	4.103498	1.762916	0.429613
LTC4S	0.583916	2.016183	3.493306	5.97155	8.535816	5.621155	0.289078	0	0	0.57112	0.96415	5.127602	0.36487	0.071158
LTF	1	0.149111	0.160373	0.496232	0.76551	0.327564	0.743187	0.331942	0.917545	0.073414	0.047214	0.379758	0.42266	1.112972
LTN1	1	4.833047	6.714148	6.412673	5.955306	3.525973	8.604676	18.70788	23.12983	14.70229	11.86145	5.488229	15.40123	2.806228
LTV1	1	14.88852	14.00185	8.301	8.217431	10.45227	14.5196	22.71843	16.2319	22.38122	15.7283	11.17221	18.31589	1.639415
LUC7L	1	43.21939	44.96051	49.98827	62.30644	104.6337	72.08964	45.81498	71.10659	40.69275	37.14925	61.02167	53.37064	0.874618
LUC7L3	1	154.0596	143.8647	86.53712	86.20628	46.3245	75.5969	81.82616	164.5148	154.1381	89.5132	103.3984	113.1178	1.094
LUM	1	13.72634	2.396538	3.370659	3.085173	2.905562	8.329365	12.81087	13.98556	8.527196	1.042273	5.096855	8.939053	1.753837
LURAP1	1	3.421109	3.789617	4.873	2.124396	2.969439	3.238478	4.025053	16.23355	8.738912	7.334588	3.435512	7.914116	2.30362
LURAP1L	1	1.678978	1.61653	1.903927	1.521321	3.417147	3.8864	2.538587	6.67573	4.395495	5.796739	2.027581	4.65859	2.29761
LUZP1	1	15.09191	14.63037	13.86	15.261	10.80047	5.560116	13.03296	3.510253	3.938906	1.530127	13.92875	5.514473	0.395906
LUZP2	0.365298	53.52533	45.70204	51.91411	28.16395	34.62853	4.185614	6.476602	3.184354	25.51579	6.527891	42.78679	9.178049	0.214507
LUZP6	1	93.23823	94.82001	40.12139	67.64596	297.7949	182.896	97.34824	33.90384	73.51316	48.6403	118.7241	87.26032	0.734984
LVRN	1	0.540947	0.47514	0.22753	0.211199	0.413201	0.04194	0	0.062135	0.124289	0.319728	0.373604	0.109618	0.293408
LXN	1	10.42228	1.676629	0.389091	3.805901	4.592905	9.168227	11.83056	0.460441	1.765279	0.394879	4.17736	4.723877	1.130828
LY6D	1	0.053968	0.121893	0.117864	0.193944	1.244838	0	0	0	0	0	0.346501	0	0
LY6E	0.691114	63.76691	88.42561	79.69745	103.2172	296.7844	25.27132	50.90497	13.98418	7.562314	22.01618	126.3783	23.94779	0.189493
LY6G5B	1	2.523028	2.495219	5.184147	5.221995	21.22872	0	0.063447	0	3.473026	14.07138	7.330622	3.52157	0.480392
LY6G5C	1	0	0	0	0.062062	0	0	0	0	0.803506	0.947368	0.012412	0.350175	28.21167
LY6G6C	1	0.914584	0.144118	0.092903	0	1.673827	0	0	0	0.109955	0.035357	0.565086	0.029062	0.05143
LY6G6E	1	0.067801	0.555119	0.333168	0.040609	0.735959	0	0	0	0	0	0.346531	0	0
LY6G6F	1	0.077367	0.021843	0.021121	0.023169	0.052487	0.101222	0	0	0.049995	0.032153	0.039198	0.036674	0.935618
LY6H	1	16.13459	14.4853	14.68646	22.80517	37.57438	10.794	3.83703	5.209852	0.684018	8.280504	21.13718	5.761081	0.272557
LY6L	1.11E-07	1.032471	0.969534	1.923999	0.91415	2.695198	0	0	0.029004	0	0.009328	1.507071	0.007666	0.005087
LY75	1	1.309469	2.447654	2.542853	3.052211	0.542648	4.253512	3.186917	1.900514	2.784491	0.39139	1.978967	2.503365	1.264986

LY86	1	0.05025	0.061476	0.073162	0.090291	0.045454	0.525948	0.498299	0.28138	0.346365	0.055688	0.064127	0.341536	5.325956
LY9	1	0.425197	0.298979	0.569433	0.475705	0.32656	2.099242	0.571094	0.487247	0.456213	0.453431	0.419175	0.813446	1.940588
LY96	1	0.944102	1.751581	0.147277	0.282733	3.110978	15.88112	0.501542	0.697136	0	0.616555	1.247334	3.539271	2.837468
LYAR	1	3.578331	3.726459	2.199413	1.783886	2.529359	3.532259	3.984013	4.623996	5.593911	3.009809	2.76349	4.148798	1.501289
LYG1	1	0.037007	0.020896	0	0.022165	0	0	0	0	0	0	0.016014	0	0
LYG2	1	0.018913	0.028478	0.027537	0.07552	0.068433	0	0	0	0.097775	0.06288	0.043776	0.032131	0.733981
LYL1	1	0.309245	0.229347	16.36031	18.9313	0.275555	0.893733	0.294238	0.167003	22.47705	40.9874	7.221151	12.96388	1.795266
LYN	1	3.003327	2.467264	8.447578	4.087944	2.096172	8.658142	6.026687	7.642742	2.384048	0.910346	4.020457	5.124393	1.27458
LYNX1	0.002342	37.79732	30.09456	41.92403	60.80225	47.2459	8.024303	14.45258	3.409291	6.044622	5.660199	43.57281	7.5182	0.172543
LYPD1	1	27.38793	23.32882	0.46494	0.416082	13.76875	2.198913	2.30157	0.265447	0.09654	0.049669	13.0733	0.982428	0.075148
LYPD2	1	0	0	0	0.079077	0	0	0	0	0	0.109737	0.015815	0.021947	1.387714
LYPD3	1	0.186758	0.026363	0.050984	0.111858	0.19005	0.244342	0.396852	1.055832	0.120684	0.291051	0.113203	0.421752	3.725632
LYPD4	1	0	0.046958	0	0	0	0	0	0	0	0	0.009392	0	0
LYPD5	1	1.135467	0.751687	1.02613	1.281998	3.329203	0.751321	1.192538	0	1.079531	1.648872	1.504897	0.934453	0.620941
LYPD6	1	2.626627	1.629754	2.377464	1.435629	2.249458	3.188235	2.207113	1.355092	0.748636	1.261753	2.063786	1.752166	0.849006
LYPD6B	1	1.045837	0.432505	0.707739	0.846965	0.519645	0.693787	0.970322	0.342622	0.304597	0.563186	0.710538	0.574903	0.809109
LYPD8	1	0.042757	0.253498	0.093379	0.294503	0.37709	1.286619	0.317995	2.734931	0	0.550838	0.212245	0.978077	4.608234
LYPLA1	1	11.72523	13.83588	7.032715	7.403619	12.87579	4.866023	7.06061	9.983268	11.80494	6.398584	10.57465	8.022685	0.758672
LYPLA2	1	9.06485	8.83626	8.555494	13.60746	21.45753	16.17373	15.28688	16.028	9.7785	21.46059	12.30432	15.74554	1.279676
LYPLAL1	1	4.049055	3.034633	1.966883	2.736538	3.795065	1.532733	1.07356	1.854478	2.990307	0.998069	3.116435	1.689829	0.542232
LYRM1	1	2.841949	2.730275	2.675003	2.061791	3.845196	9.007501	6.617382	5.979333	7.904628	6.134894	2.830843	7.128748	2.518242
LYRM2	1	15.99184	17.28925	7.493437	8.7971	35.28355	22.26147	11.63996	10.47511	20.64207	9.205924	16.97104	14.84491	0.87472
LYRM4	1	12.84495	12.13219	8.245846	12.19295	23.71331	5.601821	4.342367	1.609554	0.402447	0.517639	13.82585	2.494766	0.180442
LYRM7	0.10627	15.98442	19.01131	8.734946	8.446996	22.89208	4.035508	4.155688	3.901778	2.065241	1.050193	15.01395	3.041682	0.20259
LYRM9	0.000107	6.359874	8.816615	5.639978	5.749626	8.196937	0.660107	1.467118	0.566192	0.960951	0.198643	6.952606	0.770602	0.110836
LYSB	1	0.0148	0	0	0	0	0.154904	0.062897	0.076498	0.153019	0.492042	0.00296	0.187872	63.47139
LYSMD1	1	8.812169	9.444792	6.088418	6.978774	11.07836	11.38244	9.280176	11.21998	7.674422	8.766303	8.480502	9.664665	1.139634
LYSMD2	1	16.07109	18.9121	10.91812	12.67845	36.2378	8.956564	11.22923	8.768677	14.70713	17.30706	18.96351	12.19373	0.64301
LYSMD3	1	2.214247	2.318877	2.126655	1.881554	1.47059	2.548004	6.081626	8.62219	13.0446	5.137661	2.002385	7.086817	3.539189
LYSMD4	1	3.412301	2.850674	2.261283	2.308597	3.117384	1.582077	2.561527	1.494232	2.715404	2.186034	2.790048	2.107855	0.755491
LYST	1	3.103736	4.544862	9.621682	6.378765	2.413318	2.001762	3.550189	7.551864	7.224573	10.9888	5.212473	6.263438	1.201625
LYVE1	0.517715	0.441384	0.199383	0.481982	0.621259	0.299443	35.22607	10.78606	6.958461	0.855673	0.220118	0.40869	10.80928	26.44859
LYZ	1	0.458931	0.518274	0.745291	0.859867	0.766393	1.354826	0.575121	0.821134	1.399172	1.154126	0.669751	1.060876	1.583985
LYZ1_1	1	0.014882	0	0	0	0	0.778815	0.158116	0.461535	1.923343	3.117061	0.002976	1.287774	432.6663
LYZ1_2	1	0	0	0	0	0	0	0	0	0	0.275979	0	0.055196	#DIV/0!
LYZ2	1	0.038964	0	0	0	0	0	0	0.050351	0.805729	0.291474	0.007793	0.229511	29.45128
LYZ3	0.126186	0.03958	0	0	0	0	0.621411	0.378478	0.30688	0.613848	1.447507	0.007916	0.673625	85.09584
LYZL1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LYZL4	1	0.314062	0.851212	0.13718	0.075242	0.85226	0	0.311437	0	0	0.34805	0.445991	0.131897	0.29574
LYZL6	1	2.075952	1.593449	0.566725	0.835399	4.92927	0	0.344632	0.083831	0	0.053921	2.000159	0.096477	0.048235
LZIC	1	10.4177	9.375589	7.406026	7.429024	14.21801	43.96712	27.93103	55.30858	28.74412	22.33271	9.769269	35.65671	3.649885
LZTFL1	1	24.20236	27.43634	11.45639	15.00572	27.79232	8.957144	19.69864	10.99879	17.69627	10.62713	21.17863	13.5956	0.641949
LZTR1	1	15.64592	12.32318	15.51273	21.0092	18.02075	8.215744	9.138006	5.488541	7.866808	10.90302	16.50236	8.322423	0.504317
LZTS1	1	14.21721	11.94451	7.762457	16.82853	17.89842	11.43068	8.5724	0.034212	0.188193	0.132032	13.73022	4.071503	0.296536
LZTS2	1	3.851458	4.135566	14.6918	23.66638	10.10892	7.930207	3.903024	3.782769	5.489522	14.56047	11.29082	7.133198	0.631769
LZTS3	1	24.44333	24.38569	20.07877	28.1228	45.48447	35.21001	24.18992	30.27728	20.20914	41.64223	28.50301	30.30572	1.063246

M1AP	8.78E-06	0	0	0	0	0	0	0	0.022357	0.626101	0.215708	0	0.172833	#DIV/0!
M6PR	1	18.669	14.81623	19.92194	22.16692	22.26436	12.80301	17.21229	12.37548	19.93476	14.15939	19.56769	15.29699	0.781747
MAATS1	1	1.31614	1.040984	0.89354	0.862109	0.548444	2.321728	1.675944	2.764507	0.739008	1.106224	0.932243	1.721482	1.846602
MAB21L1	1	0.687011	2.763406	0	0	1.089267	2.666218	0.656119	34.01459	0.279339	0	0.907937	7.523253	8.286097
MAB21L2	1	0.338208	0.475476	0	0	0.711751	0	0	0.124868	0	0	0.305087	0.024974	0.081858
MAB21L3	1	0.017089	0.077195	0.074644	0.030706	0.23187	0.156507	0.154332	0.088331	0.287119	0.482931	0.086301	0.233844	2.709636
MACC1	1	0.084634	0.032855	0.011552	0	0	0	0.028101	0.013671	0.109382	0	0.025808	0.030231	1.171355
MACF1	1	13.80973	13.3103	48.11363	35.52419	9.860908	18.48112	18.18103	27.78865	32.05669	24.01185	24.12375	24.10387	0.999176
MACO1	1	19.478	19.32126	15.36675	11.79013	8.721306	7.389265	13.63339	20.85658	18.53849	31.77987	14.93549	18.43952	1.234611
MACROD1	1	3.001753	2.609921	4.322128	3.929903	6.740085	5.769293	2.596588	7.895168	8.514289	32.589	4.120758	11.47287	2.784164
MACROD2	1	8.609498	8.167115	3.889712	5.587914	3.445504	7.300035	6.963092	5.142397	5.898433	4.811097	5.939949	6.023011	1.013984
MAD1L1	1	1.31155	1.382398	2.611635	2.809492	1.151478	1.063212	0.770517	1.262802	2.034072	2.586355	1.853311	1.543392	0.832775
MAD2L1BP	1	2.746668	2.046232	5.025018	4.409924	4.37067	7.525766	5.928204	8.436564	4.237481	2.175366	3.719702	5.660676	1.521809
MAD2L2	1	7.77258	4.582149	5.197194	7.341937	14.16989	11.37866	7.166782	5.707764	6.726406	8.310179	7.81275	7.857957	1.005786
MADCAM1	1	0.319989	0.166784	0.080636	0.147428	0	0.193224	0.052305	0	0	0.225047	0.142967	0.094115	0.658297
MADD	1	32.78344	26.05922	35.55905	31.65222	10.90499	25.47248	42.34909	82.57923	32.9874	46.53412	27.39178	45.98446	1.678768
MAEA	1	8.372126	8.063688	13.68999	14.4992	10.37505	8.679847	13.15164	12.93824	11.12756	20.54647	11.00001	13.28875	1.208067
MAEL	1	0.235197	0.511543	0.228293	0.292175	0.37822	5.060205	3.979736	0.045026	0.090065	0.130325	0.329086	1.861072	5.65528
MAF	1	4.683286	3.473998	4.26268	4.167851	1.827894	3.219778	2.06248	0.644251	2.193513	0.952208	3.683142	1.814446	0.492635
MAF1	1	20.33579	20.888	28.43204	30.41058	61.0313	33.66632	17.38435	27.60474	21.17284	46.03612	32.21954	29.17287	0.90544
MAFA	1	0.07256	0.081942	0.132056	0.108649	0.065634	0.15822	0.051395	0.031254	0	0.140722	0.092168	0.076318	0.828033
MAFB	1	8.602746	7.65011	4.325309	4.650472	5.511808	5.035049	7.161518	1.105122	2.181479	1.150411	6.148089	3.326716	0.541098
MAFF	1	1.076827	1.74271	8.425554	5.73864	4.348718	1.508687	1.135093	0.635488	0.788996	3.185436	4.26649	1.45074	0.340031
MAFG	1	7.216628	6.066287	7.311065	8.491013	9.628521	16.77755	10.02256	5.742479	4.188266	5.507074	7.742703	8.447586	1.091038
MAFK	1	1.2484	1.04575	3.175874	3.409957	2.308136	1.076916	0.787091	1.045927	1.276572	1.550742	2.237623	1.14745	0.512798
MAG	1	14.28675	30.35779	81.88006	109.0846	44.93663	77.64032	33.43789	10.82291	23.59606	13.28605	56.10916	31.75665	0.56598
MAGEB1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MAGEB16	1	0	0.022267	0	0	0	0	0	0	0	0	0.004453	0	0
MAGED1	1	48.84846	40.13358	44.73467	60.70697	49.60058	66.39095	87.88865	61.23631	55.43546	77.23447	48.80485	69.63717	1.426849
MAGED2	1	29.1629	24.46012	32.67761	33.79057	33.05304	91.00602	42.78598	47.94526	47.01499	75.60231	30.62885	60.87091	1.987372
MAGED4B	1	3.359182	2.519033	2.37778	3.379794	11.11541	2.953112	1.199087	1.801521	2.024861	6.588333	4.550239	2.913382	0.64027
MAGEE2	1	37.10981	32.00307	19.13747	20.33197	34.93065	10.64332	25.75196	11.78845	17.43646	7.651983	28.70259	14.65443	0.510561
MAGEF1	1	25.17462	32.48556	16.02095	18.02621	64.28956	11.21514	2.727284	1.521571	1.582664	9.277945	31.19938	5.26492	0.168751
MAGEH1	1	8.429832	6.995989	4.909446	6.262352	10.8527	12.92703	23.71732	26.27881	14.45883	26.91837	7.490064	20.86007	2.785033
MAGEL2	1	5.357634	5.579924	5.977812	7.989907	5.878853	5.101828	6.489103	0.861369	1.163017	2.13305	6.156826	3.149673	0.511574
MAGI1	1	15.95493	13.98515	13.16586	10.46655	6.980347	8.400556	17.64864	28.87088	21.5449	11.23027	12.11057	17.53905	1.448244
MAGI2	1	12.93197	12.23981	13.00483	12.65055	2.332364	9.434213	13.05617	10.06987	8.248465	7.87646	10.6319	9.737035	0.915832
MAGI3	1	9.103521	8.01692	3.266366	2.948656	5.735603	10.72142	9.804683	4.710875	1.745022	0.915064	5.814213	5.579413	0.959616
MAGOH	1	13.58558	14.52653	6.917019	8.386642	38.22385	30.67818	25.50361	24.98708	13.06986	12.88521	16.32792	21.42479	1.312156
MAGOHB	1	3.277201	3.362893	1.926959	1.642016	7.482297	6.843775	10.81411	12.05309	7.819358	6.259733	3.538273	8.758013	2.475222
MAGT1	1	9.542873	7.502851	9.698284	10.15661	7.320872	11.31875	10.40186	9.365701	13.79783	3.54752	8.844297	9.686333	1.095207
MAIP1	1	3.56678	3.733411	2.675003	2.832566	4.785675	3.086291	3.771539	3.53191	3.341878	2.337736	3.518687	3.213871	0.913372
MAJIN	1	0	0.022527	0	0	0	1.096132	0.127164	0	0	0.01658	0.004505	0.247975	55.03908
MAK	1	0.108543	0.125983	0.289731	0.303386	0.04091	0	0.006407	0.031169	0.997557	0.010024	0.17371	0.209031	1.203333
MAK16	1	14.98621	13.57026	5.504927	5.380076	7.536572	9.833447	12.66007	15.77666	5.259653	6.414669	9.395609	9.9889	1.063146
MAL	3.18E-05	22.96863	40.12637	78.27921	115.7077	116.7186	17.13075	9.0542	3.072033	5.766808	10.21417	74.7601	9.047592	0.121022

MAL2	1	39.28608	39.85383	19.93926	25.24129	37.99251	12.86243	62.05698	50.84946	80.75895	65.16752	32.46259	54.33907	1.673898
MALL	1	0.581835	0.215433	0.812418	0.445608	0.310605	0.599004	0.425636	0.542325	0.493095	0.095135	0.47318	0.431039	0.910941
MALRD1	1	0.004963	0.002803	0.021679	0.0327	0	0.025974	0.036913	0.012827	0.038487	0.020626	0.012429	0.026966	2.169588
MALSU1	0.000319	4.832641	4.397062	2.876172	3.292317	20.10637	8.390311	3.820502	3.13722	4.558511	3.198155	7.100912	4.62094	0.650753
MALT1	1	4.198629	4.81631	2.977156	2.421444	3.656976	2.22174	1.009711	1.55016	3.201445	1.301377	3.614103	1.856886	0.513789
MAMDC2	1	0.340456	0.163876	0.524136	0.581659	0.060583	0.613378	0.403235	1.182801	1.817739	0.816454	0.334142	0.966721	2.893146
MAMDC4	1	0.101018	0.190133	1.443214	0.978152	0.182753	0.022027	0	0	0.021759	0.286872	0.579054	0.066132	0.114207
MAML1	1	1.964839	2.182349	4.050771	3.900808	1.862221	4.81099	3.824385	8.231904	5.220991	4.955826	2.792197	5.408819	1.937119
MAML2	1	2.231392	1.900995	2.196179	1.342347	0.484687	1.395679	1.133408	3.10477	3.541597	1.630961	1.63112	2.161283	1.32503
MAML3	1	1.380483	1.50693	2.527447	1.464764	1.053407	0.634844	0.804252	5.45513	7.88914	8.122628	1.586606	4.581199	2.88742
MAMLD1	1	2.910487	3.282696	3.861807	4.578439	5.57338	3.601923	1.587002	2.091018	1.854748	2.014396	4.041362	2.229817	0.551749
MAMSTR	1	0.256103	0.148991	0.35593	0.251005	0.589679	3.046069	1.335778	0.96274	0.8024	0.928862	0.320342	1.41517	4.417687
MAN1A1	1	4.093365	2.676499	3.396288	3.873475	1.59266	7.3754	5.703473	1.739025	4.69605	2.025826	3.126457	4.307955	1.377903
MAN1A2	1	6.595358	12.36968	7.407368	7.263523	0.45756	3.801135	10.47321	4.123058	6.939815	4.581677	6.818699	5.983778	0.877554
MAN1B1_1	1	6.93891	6.490699	12.76679	15.89489	20.39316	4.69336	6.760367	4.97393	4.940813	10.30513	12.49689	6.334721	0.506904
MAN1B1_2	1	0.093977	0.187766	0.363119	0.103915	0.019617	0.22699	0.153612	0.112097	1.270621	1.033459	0.153679	0.559356	3.639775
MAN1C1	1	8.474789	6.66472	13.93984	11.17669	11.42635	5.666339	9.785375	23.97541	25.9138	22.36514	10.33648	17.54121	1.69702
MAN2A1	1	4.206796	4.057442	4.002597	4.216923	3.069398	5.666114	6.587139	3.056104	2.485888	1.503189	3.910631	3.859687	0.986973
MAN2A2	1	13.78744	14.1805	9.56331	7.528107	15.42722	6.084628	9.657852	4.913128	2.318366	3.722415	12.09732	5.339278	0.441361
MAN2B1	1	8.270641	6.89719	11.97765	11.95642	8.390504	21.50306	7.656922	8.40112	9.876171	4.758743	9.498481	10.4392	1.099039
MAN2C1	1	4.409744	3.636909	5.504904	6.448569	5.340701	6.636886	3.667684	8.49995	3.536494	8.511389	5.068165	6.170481	1.217498
MANBA	1	2.935862	2.622051	2.20013	2.25837	5.441488	1.23015	1.896032	3.979754	0.843186	1.682615	3.09158	1.926347	0.623095
MANBAL	1	4.718631	4.688384	4.056223	5.515315	11.37892	4.573998	3.603919	3.280693	3.550118	3.666847	6.071495	3.735115	0.615189
MANBAP1	1	0	0.012147	0.023492	0.012885	0	0.112585	0.274285	1.111984	0.055607	0.160928	0.009705	0.343078	35.35108
MANBAP2	1	0	0	0	0	0	0	0	0	0	0.065314	0	0.013063	#DIV/0!
MANEA	1	5.806218	5.800419	5.316077	3.397363	1.151412	9.992266	20.57111	10.41751	14.43079	2.709948	4.294298	11.62433	2.706921
MANEAL	1	10.37641	9.725986	13.56846	12.8425	22.00108	8.796673	9.024201	11.88125	8.904555	11.59152	13.70289	10.03964	0.732666
MANF	1	28.68728	32.37082	19.93242	25.65649	89.79571	105.607	83.13037	35.02567	31.88926	45.515	39.28854	60.23346	1.533105
MANSC1	1	4.391898	6.975422	7.20475	7.71137	9.278756	3.778232	2.983011	0.855183	2.747351	2.066893	7.112439	2.486134	0.349547
MANSC4	1	0.128668	0.083031	1.234415	0.869735	0.01247	6.108337	2.011533	5.463062	3.064511	1.474303	0.465664	3.624349	7.783189
MAOA	1	20.65442	11.60609	26.73535	21.89829	7.700301	10.70918	14.01143	7.45113	21.86296	21.58949	17.71889	15.12484	0.8536
MAOB	1	8.944728	6.212234	22.0808	25.28117	6.988323	31.22042	31.81341	74.33322	45.84713	56.74077	13.90145	47.99099	3.452229
MAP10	1	1.366494	2.189353	1.822965	1.60466	2.411254	0.598878	0.715205	1.217802	2.714354	1.600169	1.878945	1.369282	0.72875
MAP1A	1	159.8924	122.9205	230.8093	238.5923	114.1574	174.7957	121.4272	64.13139	59.96024	85.93255	173.2744	101.2494	0.58433
MAP1B	1	210.9133	204.9667	216.4399	167.8446	68.53244	72.47422	127.1537	90.10004	88.14335	116.8503	173.7394	98.94432	0.569499
MAP1LC3A	1	44.09728	44.47327	73.59779	74.33228	253.1167	215.2489	70.3899	31.82827	40.804	86.63458	97.92347	88.98113	0.90868
MAP1LC3B	1	55.24533	65.46781	35.94723	38.58448	61.7308	40.10973	41.73793	40.35754	54.63242	49.41895	51.39513	45.25131	0.880459
MAP1LC3C	1	1.716355	1.770553	1.15337	1.739701	2.866229	0	0.035069	0	0	0	1.849241	0.007014	0.003793
MAP1S	1	3.665666	3.634977	7.882126	8.016429	0.475879	3.019646	2.728678	2.660824	2.953652	10.52267	4.735015	4.377095	0.92441
MAP2	1	161.8323	180.0881	173.1791	174.9424	104.0438	359.1465	245.2948	133.0564	171.3439	119.5282	158.8171	205.6739	1.295036
MAP2K1	1	59.61507	49.22071	20.45656	35.35592	99.69947	67.55129	160.0872	30.84704	21.6165	31.20695	52.86955	62.26179	1.177649
MAP2K2	1	20.02646	17.20902	24.01819	26.64618	33.27326	35.67695	20.82572	26.33401	33.70364	64.57135	24.23462	36.22233	1.494652
MAP2K3	1	5.026983	6.421364	12.05358	10.01176	23.89661	24.23818	21.30815	11.99257	9.768099	18.10093	11.48206	17.08159	1.487676
MAP2K4	1	49.84157	49.53892	34.44526	38.99529	50.32904	26.7121	44.3811	21.52442	23.22156	29.80461	44.63002	29.12876	0.652672
MAP2K5	1	11.91139	11.94893	9.733371	12.13694	18.70679	10.2775	10.79895	9.38445	11.60277	8.354672	12.88748	10.08367	0.782439
MAP2K6	1	5.21476	4.504255	3.072729	3.216138	4.763751	3.17489	4.676554	4.420138	3.569989	3.540422	4.154327	3.876399	0.933099

MAP2K7	1	6.292234	9.017584	20.82226	24.28939	6.775127	3.538091	5.203479	7.965864	11.09054	21.03462	13.43932	9.766519	0.726712
MAP3K1	1	3.044907	2.572275	0.806055	0.795813	1.395031	10.14045	5.870863	5.055486	3.093699	1.003565	1.722816	5.032813	2.921271
MAP3K10	1	25.17935	22.61971	37.91782	46.69473	15.7914	53.92686	19.61543	11.28985	10.98929	30.97273	29.6406	25.35883	0.855544
MAP3K11	1	1.505618	1.700303	5.888991	7.534777	2.662145	4.173058	2.017716	1.830348	4.149392	4.700455	3.858367	3.374194	0.874513
MAP3K12	1	22.35461	20.35418	27.38961	18.55606	38.75561	34.62392	25.05922	48.61823	34.47726	33.46534	25.48201	35.24879	1.383281
MAP3K13	1	4.568769	6.861508	3.665668	3.425199	3.423073	2.495788	5.37406	5.511693	7.951227	4.101133	4.388844	5.08678	1.159025
MAP3K14	1	1.102466	1.297814	3.326599	2.356614	2.357441	3.690076	3.824454	4.842737	2.799328	5.439717	2.088187	4.119262	1.97265
MAP3K15	0.802004	0.094416	0.048869	0.128875	0.080113	0.032027	0.473521	0.066876	0	0.081349	0.065396	0.07686	0.137429	1.788038
MAP3K19	1	0.183751	0.060524	0.507205	0.6206	0.138511	0	0	0	0.422189	0.01697	0.302118	0.087832	0.29072
MAP3K2	1	3.680769	4.609236	5.815747	4.43955	2.651949	3.583546	6.028658	9.34669	8.102517	7.788159	4.23945	6.969914	1.644061
MAP3K20	1	3.313191	2.987468	4.881506	2.686302	1.387825	1.598155	0.562916	1.02696	1.03662	0.397552	3.051258	0.924441	0.30297
MAP3K21	1	1.437579	1.908529	2.319417	1.117316	1.161146	1.884858	2.295994	3.739209	3.325993	2.318095	1.588798	2.71283	1.707474
MAP3K3	1	5.135094	5.155721	10.58851	10.28776	8.413559	5.31388	4.002372	8.473637	5.549738	8.342966	7.916127	6.336519	0.800457
MAP3K4	1	9.795518	9.992756	11.91055	11.47772	6.157692	15.50926	13.1314	14.5569	6.527083	6.022475	9.866846	11.14942	1.129989
MAP3K5	1	9.966614	8.191995	5.708932	7.822208	5.673042	6.937871	7.519397	3.022102	11.1588	12.81578	7.472558	8.290789	1.109498
MAP3K6	1	0.267516	0.061877	0.549048	0.803068	0.559768	1.24819	0.212315	0.483132	0.349905	0.155377	0.448256	0.489784	1.092644
MAP3K7	1	12.06609	11.77194	8.869343	9.091496	3.88571	9.820978	17.16592	10.33156	16.29542	10.28484	9.136916	12.77974	1.398693
MAP3K7CL	1	0.27927	0.335092	0.152478	0.209085	0.142096	0.137016	0.03709	0	0	0.05803	0.223604	0.046427	0.207631
MAP3K8	1	0.1738	0.154639	0.356567	0.331217	0.14292	0.12403	0.106318	0.115697	0.340334	0.074417	0.231828	0.152159	0.656343
MAP3K9	1	12.96076	9.275505	13.62805	14.74157	7.028906	12.07012	6.947112	3.603581	7.733986	7.321682	11.52696	7.535297	0.653711
MAP4	1	21.39207	21.64556	58.64571	60.8424	35.52051	29.38282	23.99949	27.40137	30.21721	43.7245	39.60925	30.94508	0.781259
MAP4K1	1	0.939745	1.330535	0.842389	0.932495	4.072643	1.688267	1.609451	1.304983	0.217529	0.279792	1.623562	1.020004	0.628251
MAP4K2	1	11.31243	10.27642	20.53426	20.36571	17.82009	35.66999	13.32382	15.79099	15.33328	34.06007	16.06178	22.83563	1.421737
MAP4K3	1	15.03284	13.0611	9.180988	7.297672	7.520532	11.01064	21.02218	25.27348	22.67896	16.64169	10.41863	19.32539	1.854888
MAP4K4	1	15.53529	15.94892	30.74632	32.73576	20.46124	37.06458	25.96781	27.59998	27.30347	15.26873	23.08551	26.64091	1.15401
MAP4K5	1	9.789051	12.43846	13.1774	11.53525	8.744688	7.817246	19.64215	19.75792	17.39644	10.67175	11.13697	15.0571	1.351993
MAP6	1	8.736361	8.345515	11.56989	15.78032	12.45584	6.826008	6.608055	5.901681	10.8757	12.71058	11.37758	8.584406	0.754502
MAP6D1	1	4.497642	3.018398	5.879221	4.759845	9.554101	4.997619	6.268492	19.21241	6.270301	5.670159	5.541841	8.483797	1.530862
MAP7	1	16.79542	20.03658	20.32768	19.24622	12.74367	10.77743	19.36699	13.04661	34.77782	11.1772	17.82992	17.82921	0.999961
MAP7D1	1	31.27235	31.39333	53.10289	70.68709	48.17634	59.61728	35.38802	29.00335	28.82162	66.79647	46.9264	43.92535	0.936048
MAP7D2	1	33.21668	34.12934	24.38707	26.5705	22.57485	42.14486	56.27697	32.79485	41.43569	30.97465	28.17569	40.7254	1.445409
MAP9	1	11.67597	10.50081	4.429081	3.547598	3.581536	9.217368	12.16601	12.76443	2.044508	0.703293	6.746999	7.379122	1.093689
MAPK1	1	140.7964	123.1094	88.04788	113.3528	43.12434	75.13247	92.73592	56.6278	42.39923	53.10917	101.6862	64.00092	0.629396
MAPK10	1	51.19712	59.84518	28.04658	25.88856	29.84332	26.95663	56.90977	26.4281	27.89259	16.59231	38.96415	30.95588	0.794471
MAPK11	1	5.452317	5.081696	7.053914	9.069214	8.068927	4.217756	4.39823	2.887671	6.50215	14.05716	6.945213	6.412593	0.923311
MAPK12	1	1.793785	1.369881	3.07881	4.033841	6.405593	5.318746	4.528263	6.984163	3.873929	6.251803	3.336382	5.391381	1.615936
MAPK13	1	3.475049	2.719148	1.279107	2.1983	6.463354	8.718415	1.023293	0.269096	0.403702	0.411075	3.226992	2.165116	0.670939
MAPK14	1	10.97048	10.41002	8.697424	9.295812	11.89836	9.039351	12.92636	16.23196	13.71889	13.16855	10.25442	13.01702	1.269406
MAPK15	4.30E-07	1.129312	0.936324	2.179149	3.027522	1.799956	0.059849	0	0	0.04434	0.014258	1.814453	0.023689	0.013056
MAPK1IP1L	1	14.3014	13.59906	11.07334	11.02785	12.85546	8.713675	11.84698	13.22421	11.90259	6.636873	12.57142	10.46487	0.832433
MAPK3	1	31.69114	25.36258	45.41468	55.51292	64.78894	161.5632	69.17339	38.52617	24.34979	49.63157	44.55405	68.64882	1.540799
MAPK4	1	13.92729	9.843963	19.10865	24.81316	16.4638	5.525211	13.82734	6.141244	6.072952	7.173452	16.83137	7.748039	0.460333
MAPK6	1	36.04425	39.24512	27.36336	17.4221	17.68058	37.15157	80.96523	78.82975	79.2994	55.91443	27.55108	66.43208	2.411233
MAPK7	1	1.498162	1.238503	3.571319	4.339977	1.554463	1.255485	1.352475	1.910651	2.151377	4.134464	2.440485	2.16089	0.885435
MAPK8	1	11.05354	14.72745	9.80174	8.152828	12.54865	11.49355	17.59616	19.36433	16.3415	16.20728	11.25684	16.20056	1.439175
MAPK8IP1	1	20.45248	25.88768	43.14551	58.71986	26.5441	96.65324	38.99089	26.02032	20.70878	48.23372	34.94992	46.12139	1.319642

MAPK8IP2	1	34.06156	30.51651	46.55407	55.01841	59.27953	25.95433	24.80627	28.06541	18.82159	41.61604	45.08601	27.85273	0.617769
MAPK8IP3	1	32.92989	30.15677	46.76815	58.67794	28.52481	18.81796	29.70468	34.43678	27.01284	55.64694	39.41151	33.12384	0.840461
MAPK9	1	26.57254	30.12487	16.56668	16.35434	17.00218	41.73482	50.7977	52.37423	49.55119	55.7864	21.32412	50.04887	2.347054
MAPKAP1	1	7.663832	7.393556	6.518376	8.434641	5.033809	8.733592	9.833894	9.040763	11.61368	10.41381	7.008843	9.927148	1.416375
MAPKAPK2	1	5.247093	4.5199	8.575811	8.583814	4.310855	6.586023	8.285638	8.691007	5.86595	5.304329	6.247495	6.946589	1.1119
MAPKAPK3	1	1.624758	1.09342	2.621477	2.50237	3.545244	5.101736	4.791266	6.35863	5.896731	4.012752	2.277454	5.232223	2.2974
MAPKAPK5	1	9.611103	9.421986	9.248265	9.20543	8.202706	11.96962	7.792637	5.874904	7.767953	7.132527	9.137898	8.107528	0.887242
MAPKBP1	1	6.208823	4.325685	12.37953	8.243017	6.832748	22.39175	9.457148	59.17775	29.71549	35.05791	7.59796	31.16001	4.101102
MAPRE1	1	33.21494	27.31694	23.40207	24.01982	28.00045	51.99624	35.52019	30.75387	36.91748	27.29507	27.19084	36.49657	1.342237
MAPRE2	1	97.87862	95.58182	92.23271	108.3196	99.75864	82.64725	95.91002	53.68368	48.96488	49.27222	98.75427	66.09561	0.669294
MAPRE3	1	76.82118	94.2627	43.54022	50.78707	102.0267	88.1462	90.58249	88.23233	65.79905	117.7587	73.48758	90.10375	1.226109
MAPT	1	72.76555	69.56753	83.72317	112.8847	79.50128	62.66427	50.73857	32.6444	24.28449	54.861	83.68845	45.03855	0.538169
MARC1	1	5.255496	4.180419	1.360447	2.907607	4.604932	9.255344	6.892305	3.182827	4.663891	3.808779	3.66178	5.560629	1.518559
MARC2	9.30E-09	13.71238	11.7212	7.473607	9.049274	12.06781	0.295662	0.548805	0.584043	2.21134	0.724489	10.80485	0.872868	0.080785
MARCH1	1	0.854043	1.000871	0.492693	0.665949	0	1.349278	2.705076	0.29152	1.915983	1.888474	0.602711	1.630066	2.704556
MARCH10	1	0.119936	0.264732	0.440528	0.261219	0.221909	0.085591	0.046338	0.098626	0.225464	0.108749	0.261665	0.112953	0.431672
MARCH11	1	2.482261	3.226361	1.295623	1.12207	4.024678	2.696138	3.81502	0.685909	4.358171	3.503501	2.430199	3.011748	1.239301
MARCH2	1	31.09448	28.44674	34.51749	40.91093	82.37721	50.27756	18.39821	8.538833	9.085186	24.18924	43.46937	22.09781	0.508353
MARCH3	1	1.527729	1.023662	1.579277	1.220038	2.487452	1.119315	1.038831	0.342188	0.789781	0.101584	1.567632	0.67834	0.432716
MARCH4	1	2.427772	2.465803	2.467672	3.731293	0.662961	2.397232	2.887683	0.789238	1.578705	3.934239	2.3511	2.317419	0.985674
MARCH5	1	9.830213	8.12149	9.152488	9.122953	3.818875	12.6175	27.35321	20.05707	22.30671	13.4169	8.009204	19.15028	2.391034
MARCH6	1	47.83516	50.58721	38.38799	37.17317	31.68165	18.54239	51.67622	55.9134	58.01759	42.68045	41.13303	45.36601	1.102909
MARCH7	1	10.04408	10.96812	10.27597	7.277021	4.095896	10.41879	13.88419	25.48122	27.484	9.886915	8.532218	17.43102	2.042965
MARCH8	1	4.495548	4.515692	6.568128	8.084017	6.59391	5.296225	3.969282	5.977336	5.110727	3.472743	6.051459	4.765263	0.787457
MARCH9	1	3.770163	3.769436	5.262469	5.544408	9.299325	12.24422	6.214582	5.981	5.916136	9.839507	5.52916	8.039089	1.453944
MARCKS	1	3.748679	17.16646	33.15722	33.05022	1.169858	7.552955	4.420993	7.750598	14.34069	30.31651	17.65849	12.87635	0.729188
MARCKSL1	1	23.92369	29.06618	60.88212	83.62795	142.8198	103.5687	26.93755	19.8438	18.82174	23.74964	68.06394	38.58428	0.566883
MARCO	1	0.013133	0	0	0.031465	0	0	0	0	0.203686	0.043664	0.00892	0.04947	5.54616
MARF1	1	34.62778	39.85591	33.53225	36.06954	23.28223	128.7931	50.67255	41.28644	47.47695	40.19119	33.47354	61.68406	1.842771
MARK1	1	10.8778	10.90232	11.54425	9.568613	11.40339	15.16255	19.50382	13.01336	14.29201	8.799224	10.85927	14.15419	1.30342
MARK2	1	9.606623	10.04011	13.66978	19.67722	10.88967	13.54091	11.92228	9.393348	11.2981	15.62689	12.77668	12.35631	0.967098
MARK3	1	19.83867	20.21517	22.34159	23.7401	18.223	34.92885	41.43109	48.80268	46.07558	36.66545	20.8717	41.58073	1.992206
MARK4_1	6.22E-05	521.3686	856.7938	3.604499	2.386099	17.4517	0	0	0	5.884264	0.662244	280.3209	1.309302	0.004671
MARK4_2	1	15.0315	13.25265	16.72334	19.58015	11.74227	62.06633	29.65451	15.19378	13.17571	15.57238	15.26598	27.13254	1.77732
MARS	1	22.49866	20.59831	17.85269	18.59459	26.38251	27.19016	38.14049	35.59161	14.70793	15.19416	21.18535	26.16487	1.235045
MARS2	1	1.439533	1.776898	0	0	3.225066	2.584182	4.090436	2.44421	0	0	1.288299	1.823765	1.415638
MARVELD1	1	4.095725	3.066144	6.420132	7.691724	10.03886	6.775995	1.600267	2.236544	1.434328	2.459831	6.262517	2.901393	0.463295
MARVELD2	1	1.68397	0.71794	1.452013	1.47658	0.974527	1.041278	0.680609	1.655564	2.860026	2.323355	1.261006	1.712166	1.357778
MARVELD3	1	0	0.003176	0	0	0	0.058881	0	0	0.014541	0.009352	0.000635	0.016555	26.05815
MAS1	1	6.517566	8.014038	0.96767	1.772063	4.65435	0.149599	0.212602	0.036939	0	1.781969	4.385137	0.436222	0.099477
MASP1	1	1.277274	0.659717	3.010083	1.271474	0.789949	0.756528	0.403965	1.156644	1.27966	0.358814	1.4017	0.791122	0.564402
MASP2	1	0	0.04836	0	0	0	1.600757	0.298988	1.233216	3.731812	8.216883	0.009672	3.016331	311.8616
MAST1	1	12.80481	13.79749	26.60941	25.9335	7.733061	8.709178	11.76114	20.94427	21.8463	32.71831	17.37565	19.19584	1.104755
MAST2	1	7.516458	6.643656	15.06422	14.27348	10.09912	28.13229	17.96627	50.01609	20.81591	22.15242	10.71939	27.81659	2.59498
MAST3	1	20.56065	19.99639	27.78854	52.29931	23.74608	39.5099	47.5841	4.006203	6.047279	3.602777	28.8782	20.15005	0.69776
MAST4	1	3.966182	4.250166	8.358996	8.980752	2.20721	3.608869	5.185089	2.137252	1.83521	0.990324	5.552661	2.751349	0.495501

MASTL	1	0.318237	0.481026	0.192466	0.129026	0.13286	0.025622	0.124844	0	0.354344	0.024416	0.250723	0.105845	0.42216
MAT1A	1	0.67609	0.80732	0.54463	0.736861	3.609216	3.625203	1.566191	2.92174	3.122706	1.077825	1.274823	2.462733	1.931823
MAT2A	1	64.45272	74.24408	103.907	93.04146	119.8923	85.90009	123.9164	159.2824	109.568	86.7694	91.10753	113.0873	1.24125
MAT2B	1	6.218937	7.014325	5.419218	5.601153	13.59351	31.7747	39.49649	26.01258	16.91665	22.00359	7.569428	27.2408	3.598793
MATK	1	10.83092	9.739831	7.566189	11.75112	16.27915	14.26586	8.156042	1.201672	2.827874	3.652447	11.23344	6.020778	0.535969
MATN1	1	0.219232	0.275089	0	0.291796	0.132205	0.127479	0.051762	0	0	0.080986	0.183665	0.052045	0.283372
MATN2	1	7.768088	2.197417	4.050897	4.201632	2.125833	7.326523	18.08552	3.892454	4.258807	0.898964	4.068773	6.892453	1.693988
MATN3	1	0.03209	0.244619	0	0.038441	0	0.08397	0.204571	0	0.331791	0	0.06303	0.124066	1.96837
MATN4	0.001707	0.537274	0.660283	0.500414	0.738244	1.415103	0	0.134315	0	0	0.105074	0.770263	0.047878	0.062158
MATR3	1	146.8118	134.5883	92.41888	99.87785	90.03796	125.3301	200.2721	218.6435	200.2695	175.8669	112.747	184.0764	1.632651
MAU2	1	14.88371	13.91775	24.51528	25.02657	20.08193	9.440802	9.187772	16.83651	15.58679	20.0061	19.68505	14.21159	0.721949
MAVS	0.000314	3.192784	4.27348	12.33385	9.477043	3.644523	1.151726	0.875343	0.807948	0.700129	0.759818	6.584336	0.858993	0.13046
MAX	1	22.10493	30.45847	30.4903	25.77147	40.89238	44.69765	37.94636	97.88759	99.76344	86.06246	29.94351	73.2715	2.446991
MAZ	1	29.02383	33.9684	39.59749	47.19928	81.55469	80.44072	20.60363	32.20909	27.17466	67.56331	46.26874	45.59828	0.98551
MB	1	4.604345	0.508243	0.226821	0.456171	1.315229	0	0	0	56.28556	4.258593	1.422162	12.10883	8.514385
MB21D2	1	2.252179	2.50029	4.751936	4.496452	0.44888	1.598155	3.35274	14.53513	3.552086	6.62052	2.889947	5.931726	2.052538
MBD1	1	11.19035	11.45179	13.366	12.37028	11.25375	12.64379	17.24487	26.08262	15.29967	16.84462	11.92643	17.62311	1.477652
MBD2	1	18.83393	16.59602	11.81837	12.57276	13.53311	21.61007	13.79133	11.42611	17.46164	8.760439	14.67084	14.60992	0.995847
MBD3	1	11.45542	11.90023	21.137	27.76457	22.32413	5.283282	5.070551	4.010702	8.195099	21.88596	18.91627	8.889119	0.469919
MBD3L1	1	0	0	0	0	0	0	0	0	0	0.028101	0	0.00562	#DIV/0!
MBD3L3	1	0	0.148838	0	0	0.089413	0	0	0	0	0.054772	0.04765	0.010954	0.229893
MBD4	1	3.000596	2.982266	1.83845	2.150945	1.869858	3.002064	3.591975	3.649351	4.088569	3.831274	2.368423	3.632646	1.533783
MBD5	1	3.730105	4.399272	3.777566	3.429277	1.394535	2.820555	4.341346	7.651297	7.931033	5.179735	3.346151	5.584793	1.66902
MBD6	1	2.281503	1.99902	7.187708	7.890094	7.472198	8.303002	4.383704	11.46525	4.541578	7.171103	5.366105	7.172928	1.33671
MBIP	1	22.92987	23.74241	15.00054	16.06567	26.08179	11.98171	11.92807	11.83417	16.28186	12.8667	20.76405	12.9785	0.625047
MBL1	1	0.153942	0.086924	0.084051	0.046101	0	0	0	0	1.193734	0	0.074203	0.238747	3.217461
MBL2	1	0.010336	0.035018	0	0	0	0	0	0	0	0	0.009071	0	0
MBLAC1	1	3.671859	3.977715	5.464934	6.109024	4.649969	0.854046	0.751353	0.562353	1.546696	3.436244	4.7747	1.430139	0.299524
MBLAC2	1	8.006011	8.069225	3.938559	4.844273	6.203806	2.335615	5.003069	7.732673	7.486599	5.261387	6.212375	5.563869	0.895611
MBNL1	1	14.7014	14.67678	12.54736	13.38709	15.06987	21.34928	22.39326	23.17213	35.00493	17.20316	14.0765	23.82455	1.692506
MBNL2	1	33.94388	43.17547	41.07898	35.92171	37.46213	22.90678	44.02879	78.01657	150.0856	80.29885	38.31644	75.06732	1.959141
MBNL3	1	0.201669	0.386274	0.816103	1.394992	0.198517	0.320758	0.121839	0.00511	0.633709	0.072307	0.599511	0.230744	0.384888
MBOAT1	1	0.468871	0.111783	0.375465	0.443085	0.084824	1.554045	1.383787	0.578957	0.781032	0.268467	0.296806	0.913257	3.076955
MBOAT2	1	9.485293	11.01225	11.57037	12.72032	9.818856	4.564426	5.47647	6.122571	6.31482	5.114895	10.92142	5.518636	0.505304
MBOAT4	1	0	0	0	0	0	0	0.061022	0	0	0	0	0.012204	#DIV/0!
MBOAT7	1	13.25589	13.7742	15.20894	32.88034	22.60001	12.64546	15.82202	2.140098	3.228158	10.52705	19.54388	8.872558	0.453981
MBP	0.000765	318.691	832.4336	3084.485	4223.957	2841.91	352.0254	216.2529	98.99718	165.1565	344.5021	2260.295	235.3868	0.10414
MBTD1	1	3.161627	4.223494	3.839565	4.017038	2.310504	6.052611	5.063424	12.25657	9.103629	9.583886	3.510446	8.412024	2.396284
MBTPS1	1	8.615286	7.268207	9.586688	11.81649	7.175987	13.30577	14.45739	23.76536	15.5253	17.61284	8.892532	16.93333	1.904219
MBTPS2	1	1.698773	1.763409	1.967453	1.575887	1.047707	1.990575	3.239103	4.31647	2.557733	3.537041	1.610646	3.128184	1.942192
MC1R	1	0.12871	0.254367	0.327946	0.513935	0.873189	0.224527	0.205126	0.665285	0.499037	9.325018	0.419629	2.183799	5.204113
MC2R	1	0	0	0.05638	0.015462	0	0	0	0	0.100093	0	0.014369	0.020019	1.393229
MC3R	1	0.012859	0	0.168504	0.11553	0	0	0	0	0	0	0.059379	0	0
MC4R	1	0.903726	0.492695	0.204176	0.472846	0.169132	1.467774	0.419392	0	0	0.069071	0.448515	0.391247	0.872317
MC5R	1	0.307254	0.043373	0.083879	0.138021	0	0	0	0	0	0	0.114505	0	0
MCAM	1	8.974294	8.731662	19.74439	20.20729	13.1259	22.06238	11.96996	8.167621	8.262346	9.825205	14.15671	12.0575	0.851717

MCAT	1	8.701531	7.45617	8.522428	11.12136	15.20673	6.871828	8.547595	4.206159	4.397988	11.91313	10.20164	7.18734	0.704528
MCC	1	4.271664	3.584719	5.413533	4.234858	2.017969	2.707791	3.850723	2.183096	3.184922	2.052269	3.904548	2.79576	0.716027
MCCC1	1	8.630456	7.728479	9.958656	10.64923	10.26144	5.47114	10.05194	12.37885	12.87894	10.77235	9.445652	10.31064	1.091576
MCCC2	1	11.5558	11.87744	8.730578	11.16842	11.76389	4.686779	6.554874	5.9261	4.473179	4.70351	11.01923	5.268888	0.478154
MCCD1	1	0	0	0.911482	0.366626	0	0	0	0	0	0.092504	0.255622	0.018501	0.072376
MCEE	1	4.540433	4.091671	3.405539	5.301609	9.707645	13.80091	13.88755	9.18609	11.02491	30.15274	5.409379	15.61044	2.88581
MCEMP1	1	0.030575	0.017264	0.100163	0.128191	0	0.040003	0.016243	0	0	0.063533	0.055239	0.023956	0.433675
MCF2	1	2.860033	4.766815	2.462582	2.677805	0.508492	1.944053	3.590571	0.934569	6.797855	3.75428	2.655145	3.404265	1.282139
MCF2L	1	14.98595	16.91995	22.82111	18.29573	10.67893	23.82862	10.83959	10.25672	14.99012	18.58656	16.74033	15.70032	0.937874
MCF2L2	1	2.33195	1.971094	4.508355	1.05052	0.834481	10.62436	6.830899	4.525613	5.62288	5.017176	2.13928	6.524186	3.049711
MCFD2	1	21.82208	19.23862	17.11342	21.87849	29.14921	9.221287	14.7789	12.47935	8.977683	9.097058	21.84036	10.91086	0.499573
MCHR1	1	3.817589	3.495842	2.247491	3.757868	10.13447	5.906745	0.723043	0.107243	0.171614	0.220734	4.690652	1.425876	0.303982
MCHR2	0.000851	0	0.014718	0	0	0	0	0	0	0.067377	0	0.002944	0.013475	4.577713
MCIDAS	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MCL1	1	20.78937	17.73371	15.63632	16.50655	23.64544	16.96939	23.87711	18.10334	15.21315	9.700735	18.86228	16.77274	0.889222
MCM10	1	1.161745	1.107681	1.018394	0.524877	0.458163	0.084149	0.068336	0.083113	0.31172	0.213836	0.854172	0.152231	0.178221
MCM2	1	1.229898	0.766862	1.721561	2.229841	1.507692	3.603424	3.753713	7.04447	6.726361	15.27456	1.491171	7.280505	4.882409
MCM3	1	1.261635	0.811133	1.132154	1.197074	1.101674	2.386071	2.840174	5.746448	1.388389	1.80655	1.100734	2.833526	2.574215
MCM3AP	1	7.028182	6.439304	11.41052	9.833027	7.251925	8.241647	9.000804	13.35518	7.831059	10.50014	8.392592	9.785766	1.166
MCM4	1	3.642202	2.6078	3.333284	4.279868	3.819023	2.930442	4.717407	6.019239	9.324773	17.8424	3.536435	8.166853	2.309346
MCM5	1	1.849174	1.685814	1.762265	1.957355	1.368559	2.146608	1.886112	3.284534	2.190008	6.460871	1.724633	3.193627	1.851772
MCM6	1	9.619642	9.11732	6.514858	6.196033	4.066071	18.54733	33.29337	19.39756	15.81034	11.54404	7.102785	19.71853	2.776169
MCM7	1	5.694848	6.028323	9.232434	10.61979	7.909643	20.74937	10.42769	14.73541	16.32092	13.49514	7.897007	15.1457	1.917904
MCM8	0.007812	0.403827	0.403169	0.383453	0.46271	0.269993	2.909697	2.126625	2.843617	1.633805	1.206385	0.38463	2.144026	5.574249
MCM9	1	1.071118	0.826916	1.030869	1.17435	1.067419	1.361791	1.510952	2.228671	2.627869	0.910397	1.034134	1.727936	1.670901
MCMBP	1	6.202506	6.710858	8.014034	8.675959	6.795351	10.43349	9.618954	14.13828	12.67154	5.923812	7.279742	10.55721	1.450218
MCMDC2	1	0.110989	0.107434	0.155825	0.037986	0.150593	0.248932	0.437999	0.1844	0.491804	0.263572	0.112566	0.325341	2.890234
MCOLN1	1	9.50879	9.917979	14.38526	15.56542	13.75461	3.972466	8.533222	16.30594	8.185802	11.53284	12.62641	9.706055	0.768711
MCOLN2	1	0	0	0.015091	0.016554	0.018751	0.668985	0.646052	0.357161	0	0.051689	0.010079	0.344777	34.20668
MCOLN3	1	0.634303	0.404878	0.321227	0.726792	0.449032	0	0.019534	0.178187	0	0.122252	0.507246	0.063995	0.126161
MCPH1	0.882084	3.213591	2.452291	3.572751	3.689144	2.132763	0.639807	0.321643	0.421286	1.11356	0.938732	3.012108	0.687005	0.228081
MCRIP1	1	4.401564	4.294101	7.552538	7.696431	10.65369	5.775896	3.389452	5.596111	2.798463	8.417673	6.919664	5.195519	0.750834
MCRIP2	1	2.73609	3.358568	5.78066	6.555091	13.47772	9.260565	3.918167	3.151327	5.227351	13.02691	6.381625	6.916864	1.083872
MCRS1	1	6.790454	6.672712	8.278932	10.29614	16.12368	28.55009	22.48461	28.6032	10.56534	13.97301	9.632382	20.83525	2.163042
MCTP1	1	3.154262	3.681953	1.55893	1.271045	0.052352	0.908658	1.96775	3.066353	3.590398	3.383379	1.943709	2.583308	1.329061
MCTP2	1	0.328665	0.144609	0.8483	0.853882	0.220077	0.379743	0.117911	0.066188	0.154462	0.248342	0.479107	0.193329	0.40352
MCTS1	1	9.769177	12.65517	6.373889	7.819416	36.9996	37.7173	22.67632	16.81273	21.94035	20.55415	14.72345	23.94017	1.625989
MCU	1	7.135267	7.006037	5.079316	3.840872	5.729174	5.347117	8.060854	14.37032	19.20212	8.398551	5.758133	11.07579	1.923504
MCUB	1	2.355976	0.42328	0.555465	1.443175	0.980797	5.184035	2.844506	32.03585	6.158975	12.6616	1.151739	11.77699	10.2254
MCUR1	1	11.20816	11.13825	11.78048	11.51602	10.27494	7.726926	7.613557	6.410695	6.784791	1.570822	11.18357	6.021358	0.538411
MDC1	1	6.068124	5.7955	12.71986	12.4809	6.525249	7.568435	6.434141	21.99911	12.74924	15.12473	8.717927	12.77513	1.465386
MDFI	1	0.776728	0	0.173984	0.286288	0.054046	0.781706	0.931056	0.437512	0.566275	1.605699	0.258209	0.86445	3.347865
MDFIC	1	2.451497	0.529579	1.673117	1.518373	0.352787	1.725177	2.634252	4.679818	4.848517	0.818128	1.30507	2.941179	2.253655
MDFIC2	1	1.037444	0.056804	0.08239	0.143104	0.119436	0.263238	2.591977	0	0	0.05226	0.287836	0.581495	2.020231
MDGA1	1	0.778674	0.790378	1.194465	1.848881	0.201244	0.703433	3.27974	0.563004	0.455261	0.28508	0.962729	1.057303	1.098236
MDGA2	1	3.493253	4.671515	4.078337	3.539058	1.430755	1.786806	4.338301	3.841751	5.703428	3.579152	3.442583	3.849888	1.118314

MDH1	1	218.7003	220.4272	174.2787	184.9308	424.95	396.7991	569.9959	265.7712	227.2888	235.615	244.6574	339.094	1.385995
MDH1B	1	0.947834	1.709179	1.068404	0.952275	1.887598	0.200013	0.146185	0.03951	1.22499	0.050826	1.313058	0.332305	0.253077
MDH2	1	99.89947	110.4777	92.04041	100.8197	142.7322	107.4044	133.1933	91.19068	69.21855	140.2509	109.1939	108.2516	0.99137
MDK	1	4.076988	2.671926	3.561593	2.626043	7.835209	7.2753	2.499602	8.636676	5.459173	9.243813	4.154352	6.622913	1.594211
MDM1	1	1.875765	2.098638	1.585371	1.391311	1.449843	3.434253	4.454837	11.58671	8.436113	3.62014	1.680186	6.306411	3.753402
MDM2	1	15.97401	17.71177	14.66428	18.07941	12.06412	4.427153	5.971973	6.193047	6.953324	5.683868	15.69872	5.845873	0.372379
MDM4	1	2.157117	2.66217	5.498205	4.146324	2.719785	2.095782	1.485756	2.998667	7.693594	5.142175	3.43672	3.883195	1.129913
MDN1	1	4.578899	4.705844	8.862839	6.132215	4.122364	2.483367	5.043936	4.841866	9.154158	4.765396	5.680432	5.257745	0.925589
MDP1	1	13.29229	11.3097	13.35031	12.43283	29.78849	63.16473	37.75271	28.16824	20.57455	45.96531	16.03472	39.12511	2.440024
ME1	1	18.06189	14.3077	14.39391	12.67768	17.79641	43.0146	46.93407	47.94688	24.94839	28.88402	15.44752	38.34559	2.482314
ME2	1	11.17098	14.04895	11.71711	11.55773	6.897728	5.972128	8.417509	5.244088	3.71746	5.249258	11.0785	5.720088	0.516323
ME3	1	17.11007	11.68606	12.03134	15.32247	13.38824	30.35622	44.68136	21.61097	19.02694	31.02357	13.90764	29.33981	2.109619
MEA1	1	27.61014	28.74671	19.70763	26.54884	88.16359	64.92391	38.76364	29.31625	14.31212	33.70775	38.15538	36.20473	0.948876
MEAF6	1	24.88717	29.83571	16.53113	19.20451	44.34113	37.63821	40.46475	42.78678	36.62285	33.98497	26.95993	38.29951	1.420609
MECOM	1	1.072193	0.571284	1.083958	0.697449	0.474857	5.161582	1.683415	1.677414	1.990163	0.497152	0.779948	2.201945	2.823193
MECP2	1	10.09552	10.06389	14.73334	14.69604	7.663334	9.317885	7.353694	9.731197	10.43049	11.75416	11.45042	9.717486	0.848657
MECR	1	2.954876	2.367929	2.479883	3.385058	4.517006	4.558117	3.75641	2.384387	1.300764	2.123524	3.140951	2.82464	0.899295
MED1	1	6.083947	6.559844	7.300029	5.84122	1.471891	5.886843	9.476051	11.96707	11.49227	8.003784	5.451386	9.365205	1.717949
MED10	1	10.80804	13.5164	7.314023	9.208703	15.64583	60.14696	40.02973	15.14665	18.29666	14.58203	11.2986	29.6404	2.62337
MED11	1	9.820364	8.432636	8.401012	11.95349	42.00018	15.74952	7.69319	9.649144	9.475083	8.952267	16.12154	10.30384	0.639135
MED12	1	7.057042	5.882365	15.30836	12.2132	5.811877	11.59568	9.562739	19.61888	11.72794	10.46091	9.254569	12.59323	1.360758
MED12L	1	1.384146	2.073729	2.538508	1.581416	0.254652	1.819294	2.909517	1.455151	3.473026	2.471088	1.56649	2.425615	1.548439
MED13	1	5.070498	7.797172	9.401372	7.113385	2.247962	6.001872	9.405872	13.43734	13.09707	7.587163	6.326078	9.905864	1.565878
MED13L	1	8.619293	9.522017	13.66933	10.93685	2.93457	10.73393	10.75191	18.87278	20.10295	16.26509	9.136412	15.34534	1.67958
MED14	1	6.689448	8.066341	9.970071	9.034986	5.357089	8.001043	11.25666	12.95598	7.737278	5.684892	7.823587	9.12717	1.166622
MED14OS	1	0.046487	0	0.050763	0.08353	0	0.060821	0.049392	0.030036	0	0.057958	0.036156	0.039641	1.096391
MED15	1	4.975068	5.899292	10.17269	15.33108	7.341004	5.727955	7.400238	10.8809	11.34864	23.14628	8.743826	11.7008	1.338179
MED16	1	2.887937	2.757678	5.178836	4.884179	4.296685	4.784975	2.709002	3.237155	7.070899	15.39071	4.001063	6.638548	1.659196
MED17	1	5.958284	6.945501	4.896516	5.325451	4.854815	5.384461	13.7379	12.99774	12.62254	9.330288	5.596113	10.81458	1.932517
MED18	1	6.711663	5.668018	3.825226	3.949405	12.30193	14.63514	18.64061	17.07964	7.608962	7.658219	6.491248	13.12451	2.021878
MED19	1	6.971296	8.563058	11.27675	13.42995	12.91776	5.785563	6.550067	8.840391	4.975545	7.805022	10.63176	6.791318	0.638776
MED20	1	2.417943	2.584622	1.461324	1.320703	4.910811	3.700666	4.47556	6.013224	2.240547	2.452104	2.539081	3.77642	1.487318
MED21	1	23.4761	26.06752	16.48184	16.6081	40.09168	55.18967	45.44546	58.38551	38.63281	47.03445	24.54505	48.93758	1.993786
MED22	1	5.787902	5.055545	5.582669	6.631844	16.13776	9.080065	8.555826	9.070946	8.353331	31.96867	7.839144	13.40577	1.710106
MED23	1	4.285235	4.191143	4.27452	3.117535	2.099361	8.675631	14.18916	20.0123	9.215106	8.237647	3.593559	12.06597	3.357665
MED24	1	8.998998	8.295634	12.87797	10.76987	9.537599	13.79498	8.910817	19.81345	16.68404	12.15576	10.09601	14.27181	1.413608
MED25	1	8.157945	8.182937	15.15449	18.07371	12.72903	9.308866	5.343508	5.250517	6.885013	12.09028	12.45962	7.775637	0.624067
MED26	1	0.346946	0.421586	0.621327	0.630056	0.5536	0.370399	0.37157	0.502131	0.588296	1.04736	0.514703	0.575951	1.118997
MED27	1	15.0295	10.77387	13.19236	19.18102	15.35134	11.98004	11.96998	20.41265	7.744923	17.55258	14.70562	13.93203	0.947396
MED28	1	64.02141	65.26576	61.26546	49.18125	23.93426	40.18549	31.32054	20.58262	13.27311	14.34543	52.73363	23.94144	0.454007
MED29	1	17.32836	15.33865	9.127191	9.829302	100.9621	45.07576	22.47218	27.99009	11.72462	24.52704	30.51713	26.35794	0.86371
MED30	1	2.214412	2.105894	3.12716	3.270913	8.539371	18.55942	14.61186	10.58544	17.98926	9.410311	3.85155	14.23126	3.694943
MED31	1	12.30267	10.36977	7.917782	8.187382	29.11141	24.10508	28.16322	22.50264	23.19722	29.63933	13.5778	25.5215	1.879649
MED4	1	24.17066	23.15459	17.20153	16.42384	40.90027	34.45843	36.57288	34.24953	22.69272	29.74222	24.37018	31.54316	1.294334
MED6	1	9.719811	9.276247	6.048276	5.604245	23.23893	5.698788	6.684733	4.690512	10.42488	9.252052	10.7775	7.350192	0.681994
MED7	1	3.815767	4.070373	4.261203	2.544497	5.033916	16.19665	14.27635	12.04759	8.6954	5.336494	3.945151	11.3105	2.866936

MED9	4.22E-05	16.53504	15.12237	10.85195	16.20896	12.8746	0.587662	0.835154	0.906915	1.741531	2.240006	14.31858	1.262254	0.088155
MEDAG	1	0.7917	0.278156	1.901946	2.191794	0.405811	10.58824	4.635733	1.77329	5.775398	19.18537	1.113881	8.391606	7.533662
MEF2A	1	26.92621	30.08492	21.02777	20.49392	22.30621	32.00291	51.01355	25.32563	42.65483	25.09597	24.1678	35.21858	1.457252
MEF2B	1	0.026545	0.029978	0.231897	0.317986	0	0.833525	0.648688	0.445933	1.715377	1.345884	0.121281	0.997882	8.227837
MEF2C	1	132.5326	151.1578	19.78165	35.30062	96.34564	105.6017	169.7826	6.237359	11.06722	2.439139	87.02365	59.0256	0.678271
MEF2D	1	14.89256	16.49158	19.90986	20.75766	15.11272	16.26954	18.25901	13.89726	12.86038	26.82154	17.43288	17.62155	1.010823
MEFV	1	0.272786	0.24738	0.216638	0.252503	0.224318	0.692158	0.298611	0.256363	0.811935	0.584003	0.242725	0.528614	2.177832
MEG3	0.01915	36.09164	39.28909	31.37114	13.69842	17.5792	5.580172	7.951037	6.765516	8.265729	3.635779	27.6059	6.439646	0.233271
MEG8	4.60E-11	0.949495	1.502463	0.882596	0.525323	0.742615	0.024273	0.064541	0.097445	0.061879	0.034572	0.920498	0.056542	0.061426
MEG9	1	0.85938	1.043506	1.33705	0.728812	1.847086	0.139301	0.412093	0.432411	1.159816	0.366626	1.163167	0.502049	0.431623
MEGF10	1	6.025655	7.861946	16.4759	14.31699	3.920395	5.1882	11.13614	16.0111	25.24425	7.841781	9.720178	13.0843	1.346096
MEGF11	1	1.190991	2.034635	6.532168	1.515596	1.757892	3.24002	1.939321	18.15438	12.36631	18.32038	2.606256	10.80408	4.145442
MEGF6	1	0.244264	0.229357	0.209789	0.230137	0.141508	0.18672	0.005832	0.028372	1.177627	0.716287	0.211011	0.422968	2.004483
MEGF8	1	14.47004	11.57487	28.8472	30.6773	18.63664	2.470989	6.979809	7.268823	6.159572	18.25658	20.84121	8.227155	0.394754
MEGF9	1	21.69821	19.3134	30.3849	28.84595	15.23981	3.047284	7.29833	9.693873	20.90331	10.78503	23.09645	10.34557	0.447929
MEI1	1	0.537799	0.195405	0.4596	0.442555	0.393406	0.097895	1.252107	3.529166	0.120879	0.520853	0.405753	1.10418	2.721311
MEI4	1	0.385446	0.467934	0.29463	0.392465	0.130747	0.100858	0.040953	0.074712	0.249077	0.592685	0.334244	0.211657	0.633241
MEIG1	1	0.122912	0.943872	0	0	0.266833	0.257295	0	0.254126	0.127082	0.449504	0.266723	0.217601	0.815831
MEIKIN	1	0.155063	0.082406	0.119524	0.109264	0.148514	0.28641	0.310119	0.754356	0.141462	0.075814	0.122954	0.313632	2.550801
MEIOB	1	0.199443	0.137642	1.693905	0.424732	0.120272	2.203473	4.402876	13.11531	12.48714	7.220221	0.515199	7.885804	15.30634
MEIOC	1	0.382695	0.027883	0.341506	0.532369	0	0.215352	0.122418	0.04254	0.787104	1.21077	0.256891	0.475637	1.851516
MEIS1	1	1.709139	1.530801	6.725281	4.182982	2.172416	0.950994	1.189739	26.49034	21.09887	19.87995	3.264124	13.92198	4.26515
MEIS2	1	11.58714	15.92459	4.838286	8.587515	17.79896	13.38494	17.26985	0.192995	4.729053	0.103446	11.7473	7.136057	0.607464
MEIS3	1	12.45166	9.899924	13.95181	15.15463	26.29424	26.86163	6.795261	22.35082	30.92536	29.6241	15.55045	23.31143	1.499084
MELK	1	0.039511	0.059493	0	0	0	0.344623	0.027986	0.034038	0.102129	0.06568	0.019801	0.114891	5.80234
MELTF	1	0	0.018035	0.261586	0.066957	0	0	0.101807	0.577835	0.288959	0.292025	0.069316	0.252125	3.63735
MEMO1	1	9.564984	13.03574	11.33423	10.67725	10.92561	18.87783	25.12203	17.14171	14.31692	11.95416	11.10756	17.48253	1.57393
MEN1	1	6.88481	7.328466	10.0241	11.74964	19.68588	9.872755	8.444551	11.37638	6.300651	25.81019	11.13458	12.36091	1.110137
MEOX1	1	0.100401	0.160071	0	0.042448	0.096161	0.061815	0.050199	0.015264	0.183189	0	0.079816	0.062094	0.777958
MEOX2	1	1.624248	0.129044	0.089128	0.019555	0	4.015181	0.728446	0.358604	0.168779	0	0.372395	1.054202	2.83087
MEP1A	0.009071	0	0	0.012358	0.013557	0	0.207293	0.841696	0.833586	0.146264	0.206942	0.005183	0.447156	86.27385
MEP1B	1	0.028259	0.076591	0.024687	0.020311	0	0	0.468381	0.964043	0.204524	0.450967	0.029969	0.417583	13.93362
MEPCE	1	8.12184	8.114336	10.82279	12.8605	12.44255	11.85144	9.43128	12.75322	8.744275	17.33546	10.4724	12.02314	1.148078
MEPE	1	0	0	0	0	0	0.089351	0.072561	0	0	0	0	0.032382	#DIV/0!
MERTK	1	7.977631	6.111362	9.180241	8.461979	5.852456	5.460361	5.30415	3.148139	2.838899	2.680513	7.516734	3.886413	0.517035
MESD	1	32.36974	28.27914	27.92147	29.91411	43.04762	10.45985	12.79022	11.25134	12.29217	19.64861	32.30641	13.28844	0.411325
MESP1	1	0.544838	0.633385	2.379809	2.764198	5.218273	4.94787	2.417661	1.201028	3.313664	11.42783	2.308101	4.661611	2.019674
MESP2	1	0.144772	0.341847	0.51738	0.315312	1.178591	0.137753	0.615267	0.340141	0.068038	8.226176	0.49958	1.877475	3.758105
MEST	1	5.087405	5.952197	9.605786	4.697956	6.266205	6.828649	10.87279	13.69752	12.65737	4.472199	6.32191	9.705706	1.535249
MET	1	0.975928	0.635341	3.253503	1.433816	0.412831	0.781125	1.896916	0.645394	7.923926	3.950823	1.342284	3.039637	2.264526
METAP1	1	15.42465	17.28492	7.024455	5.89659	6.773847	10.28239	10.54914	7.40902	10.91634	6.26494	10.48089	9.084366	0.866755
METAP1D	1	4.452717	4.262989	2.118473	3.681918	8.436046	6.788925	8.98995	6.735532	5.49796	4.9346	4.590429	6.589393	1.435464
METAP2	1	43.07121	41.71394	26.76947	28.4431	24.68872	32.76217	38.66517	37.70147	55.40099	37.65538	32.93729	40.43704	1.227698
METRN	1	1.506991	3.084611	15.30413	17.35264	9.354684	8.182327	3.962822	2.823682	9.056573	32.91105	9.32061	11.38729	1.221732
METRNL	1	6.227539	3.662047	6.840589	5.238136	4.466532	2.378418	6.212037	9.142562	5.714933	11.65904	5.286969	7.021398	1.328057
METTL1	1	3.214281	2.3734	1.709967	2.196684	8.862286	3.6662	4.575349	0.63901	1.065171	1.54131	3.671324	2.297408	0.625771

METTL11B	0.218172	0.007429	0	0	0	0	0.194396	0.157866	0.172802	0.844932	0	0.001486	0.273999	184.4082
METTL13	1	2.73327	2.065593	1.748599	1.860323	1.517154	3.359296	3.564038	3.496314	2.890231	4.06171	1.984988	3.474318	1.750297
METTL14	1	8.788805	8.113434	6.147127	6.262886	8.936562	6.112986	10.99014	11.14795	8.548608	6.948195	7.649763	8.749575	1.143771
METTL15	1	2.776952	3.041421	1.944787	1.694839	0.90092	1.412676	1.885645	1.563676	1.748364	0.892297	2.071784	1.500532	0.72427
METTL16	1	5.532698	5.16148	5.467597	5.528323	1.958338	3.496911	6.81548	8.082011	9.487957	5.776013	4.729687	6.731674	1.423281
METTL17	1	14.64041	16.16951	17.59793	17.01791	11.505	7.006563	13.85599	31.68594	12.36861	21.61708	15.38615	17.30684	1.124832
METTL18	1	9.78758	11.16891	5.651688	5.923626	15.60938	3.285156	6.342881	5.595458	6.357895	2.449052	9.628236	4.806088	0.499166
METTL21A	1	3.105731	3.110265	2.959474	2.649862	2.584036	7.053322	4.669472	2.896385	4.051743	2.301325	2.881873	4.194449	1.455459
METTL21C	1	0.023229	0	0	0.027826	0	0.729399	0.518291	0	0.180131	0.07723	0.010211	0.30101	29.4787
METTL21E	1	0.030324	0.102736	0.088303	0.096868	0.10972	0.423193	0.107396	0.182867	1.149617	0.201637	0.08559	0.412942	4.824632
METTL22	1	2.486081	2.250165	3.281656	3.105067	5.297914	4.151873	3.084221	2.976349	1.115112	2.734873	3.284177	2.812486	0.856375
METTL23	1	1.030175	1.59095	1.076857	0.980904	3.942451	6.266744	2.32004	3.686439	2.731093	2.7517	1.724267	3.551203	2.059543
METTL24	1	0.790653	0.549968	0.650662	0.590233	0.559715	1.259315	2.10621	1.110543	3.376541	1.085751	0.628246	1.787672	2.845495
METTL25	1	1.665078	1.600866	1.179394	1.033232	0.569898	6.712057	4.239473	5.970343	6.51405	1.95749	1.209694	5.078683	4.198322
METTL26	1	12.79011	11.37253	8.508358	13.8243	49.41923	21.73459	9.254693	7.741402	5.890022	13.71607	19.1829	11.66735	0.608216
METTL27	1	0.557686	0.407516	0.394047	0.962775	2.448107	0.08584	0.174273	0.084783	0.254385	1.69052	0.954026	0.45796	0.480029
METTL2A	1	8.826294	8.404219	5.138011	7.515143	15.13536	7.412318	8.485004	11.95357	8.232203	7.728535	9.003806	8.762326	0.97318
METTL3	1	4.225003	3.871466	4.613621	4.639346	6.989791	12.46158	18.13303	24.61627	13.0763	7.962894	4.867846	15.25002	3.132806
METTL4	1	1.031429	1.01052	0.708599	0.760963	0.491208	0.464712	1.211985	2.038972	1.642008	0.363354	0.800544	1.144206	1.429286
METTL5	1	5.976288	10.11671	6.113962	5.482217	15.72223	9.108859	6.026353	6.543051	6.103542	3.561073	8.682282	6.268576	0.721996
METTL6	1	4.097834	3.683516	2.953113	2.380197	4.453672	4.78063	3.553265	3.814757	3.121619	1.372689	3.513666	3.328592	0.947327
METTL7A	1	2.443266	4.331415	4.852738	4.528216	7.205674	13.22067	13.81219	21.23096	17.25415	14.59083	4.672262	16.02176	3.429123
METTL7B	1	0	0.01261	0.073157	0	0	0	0	0	1.443079	0.538277	0.017153	0.396271	23.10172
METTL8	1	2.627979	2.567485	1.561651	1.976676	1.79116	0.927533	1.272706	1.784838	1.042623	0.335263	2.10499	1.072593	0.509548
METTL9	1	9.951622	11.53601	7.60937	7.501765	13.01275	16.8209	12.89264	11.29165	14.76621	10.55091	9.922303	13.26446	1.336833
MEX3A	1	0.250412	0.504106	0.499334	0.639059	0	0.056978	0.555248	0.478347	0.168853	0.542958	0.378582	0.360477	0.952175
MEX3B	1	1.433845	1.60053	2.543181	3.182016	0.607263	1.040987	1.761184	1.595803	1.713863	1.529316	1.873367	1.528231	0.815767
MEX3C	1	8.706563	9.018545	9.368212	9.971484	7.649426	10.15961	13.63616	14.10152	12.03809	7.741865	8.942846	11.53545	1.289908
MEX3D	1	1.690349	2.159271	5.446704	5.734332	2.199528	2.936631	0.897976	1.969455	2.614384	6.218682	3.446037	2.927426	0.849505
MFAP1	1	23.87897	18.50718	12.24316	11.96825	13.06594	27.29329	22.60025	29.0522	32.46443	28.93094	15.9327	28.06822	1.761674
MFAP2	0.119471	1.251142	0.124213	1.741559	1.74578	1.343151	0.143904	0.204509	0.177665	0.213229	0.09142	1.241169	0.166146	0.133862
MFAP3	1	5.928376	5.440189	4.937119	4.923199	3.9854	2.756448	6.347768	6.826138	6.121562	1.763919	5.042857	4.763167	0.944537
MFAP3L	1	4.302598	5.38796	7.835516	13.18517	4.776144	1.048616	4.027667	1.686518	2.995579	1.282832	7.097478	2.208242	0.311131
MFAP4	1	1.003849	0.459201	4.967517	5.753759	0.931027	3.590982	1.32308	1.018053	3.61297	3.738806	2.623071	2.656778	1.01285
MFAP5	1	3.861139	0.063501	0.614023	0.134716	0.101727	0	0	0	0.193793	0.031158	0.955021	0.04499	0.047109
MFF	1	42.49484	45.38929	30.7669	32.75498	49.61995	115.1488	86.76557	65.81264	61.54429	44.59063	40.20519	74.77238	1.859769
MFGE8	1	30.12414	22.02939	45.94364	65.93018	28.98355	42.02265	32.8076	18.43865	14.39591	31.55995	38.60218	27.84495	0.721331
MFHAS1	1	5.56057	6.244908	3.517634	2.986068	5.514658	12.22738	5.344455	7.661635	2.337788	2.849158	4.764767	6.084083	1.27689
MFN1	1	17.28191	21.5848	21.32359	19.98225	11.55421	29.24176	33.52556	40.72981	44.68569	22.81393	18.34535	34.19935	1.864197
MFN2	1	22.24338	23.36804	26.17163	26.76667	20.87114	17.60942	24.18765	20.61487	14.89068	22.31166	23.88417	19.92286	0.834145
MFNG	1	1.442602	1.323676	3.682249	4.50382	3.156266	9.012349	1.168706	0.885477	0.605941	0.494605	2.821723	2.433415	0.862386
MFRP	1	0	0.030386	0.749231	0.064463	0.036508	0	0.014294	0	1.530077	0.044728	0.176117	0.31782	1.80459
MFSD1	1	17.2117	14.26946	9.114824	12.24273	9.252201	20.5086	22.67762	18.49374	26.20505	18.00003	12.41818	21.17701	1.705323
MFSD10	1	3.516293	3.398882	8.444138	10.54821	11.86693	2.456188	2.216255	1.289986	2.387783	3.888579	7.554891	2.447758	0.323996
MFSD11	1	10.34199	13.22481	12.33647	8.632973	13.31225	7.360576	9.594456	11.90428	11.09268	9.1568	11.5697	9.821759	0.848921
MFSD12	1	4.803678	5.03288	8.820056	9.108606	6.763957	4.375628	6.386018	3.261696	1.834971	4.117223	6.905835	3.995107	0.578512

MFSD13A	1	5.573089	4.407678	5.9855	8.566638	23.14182	2.881363	6.681736	5.739198	4.332697	2.328795	9.534945	4.392758	0.460701
MFSD14A	1	23.17958	24.99811	17.24448	17.96715	13.6655	15.99683	30.30217	23.48958	33.3562	21.90251	19.41096	25.00946	1.288419
MFSD14B	1	9.895418	8.984857	9.409439	11.51259	6.85172	15.65949	22.02041	18.10461	16.21876	23.27218	9.330806	19.05509	2.04217
MFSD2A	1	3.380082	4.973043	15.14516	17.68815	9.83991	84.33455	16.92778	9.33031	7.465334	10.36713	10.20527	25.68502	2.516839
MFSD2B	1	0.837102	1.177331	3.252624	2.602254	1.156715	0.510649	0.458341	0.623815	0.451336	0.426854	1.805205	0.494199	0.273763
MFSD3	1	1.684978	1.956307	4.341486	5.352228	14.4367	3.566849	1.347714	1.345563	1.517037	1.825368	5.554339	1.920506	0.345767
MFSD4A	1	44.49783	42.34765	20.36109	28.10303	56.28366	9.174662	14.5191	28.30035	11.41009	25.13	38.31865	17.70684	0.462095
MFSD4B	1	1.495588	1.497659	1.595576	1.281042	0.538743	0.304764	0.433115	0.335217	0.150528	0.092406	1.281722	0.263206	0.205354
MFSD5	1	4.20506	3.590733	6.577885	6.118826	4.287932	6.615438	5.290059	4.800473	2.50061	4.191983	4.956087	4.679713	0.944235
MFSD6	1	26.88782	26.90681	12.68158	15.88903	25.37766	17.01502	69.1045	21.48146	11.4318	8.630832	21.54858	25.53272	1.184891
MFSD6L	1	0	0.066021	0.063839	0.140062	0.396616	0	0.031057	0	0.075557	0.145775	0.133308	0.050478	0.378656
MFSD8	1	4.340646	3.657813	3.918702	3.461154	4.797561	9.286642	11.18613	11.52503	16.74442	8.443789	4.035175	11.4372	2.834376
MFSD9	1.24E-05	6.64109	6.702822	4.923336	4.141876	6.737483	0.557993	0.043156	0	0.131239	0.135042	5.829321	0.173486	0.029761
MGA	1	2.655007	3.008846	6.176654	4.043741	1.79307	3.799556	3.263897	8.386924	7.5755	7.241431	3.535464	6.053461	1.712211
MGAM	7.28E-34	0.048314	0.02425	0.041034	0.016077	0.029135	1.741822	1.693983	2.476505	1.52636	2.378206	0.031762	1.963375	61.81511
MGARP	0.002199	1.10293	1.964804	2.476608	3.16342	3.667466	0.243887	1.056302	0.521915	8.030633	5.448667	2.475046	3.060281	1.236454
MGAT1	1	9.156735	9.126066	12.33576	14.08539	15.89318	17.80061	15.53257	12.12361	10.36407	19.92094	12.11943	15.14836	1.249924
MGAT2	1	5.579197	4.369521	3.27564	3.419759	4.718994	3.981513	6.743785	6.198347	5.731028	7.359365	4.272622	6.002808	1.404947
MGAT3	1	6.172268	7.664746	16.84569	17.20953	11.61021	4.372873	4.974943	4.813066	8.63931	14.33569	11.90049	7.427176	0.624107
MGAT4A	1	5.614096	7.313812	6.674316	5.810498	3.870133	2.606326	3.026148	4.648511	8.085544	5.610448	5.856571	4.795395	0.818806
MGAT4B	1	14.7112	10.86232	21.05481	21.23686	23.825	26.15068	14.29322	21.60631	30.70216	55.68724	18.33804	29.68792	1.618926
MGAT4C	1	0.417353	0.567329	0.708931	0.777691	0.167786	0.485365	0.870431	1.737784	16.18173	1.464646	0.527818	4.147991	7.858752
MGAT4D	1	0	0	0	0	0.070345	0	0.055084	0.066995	0.737056	0.10773	0.014069	0.193373	13.74457
MGAT5	1	12.69352	10.79998	10.46663	10.92765	5.995208	3.099735	9.416698	4.821408	3.844278	2.677137	10.1766	4.771851	0.468904
MGAT5B	1	36.14222	31.66738	28.85057	43.88461	59.44717	78.13238	37.48195	7.464732	1.29639	6.319947	39.99839	26.13908	0.653503
MGC126945	1	0.506959	0.096887	0.374737	0.747425	0.994751	0	0.447478	0.443455	0.08064	0.168547	0.544152	0.228024	0.419045
MGC127055	1	0.124828	0.076892	0.099134	0.367029	0.061589	0	0	0	0.058665	0	0.145894	0.011733	0.080421
MGC127133	1	0	0	0	0	0	0.491023	0.099688	0.08083	0	0.025995	0	0.139507	#DIV/0!
MGC133636	1	0.185261	0.156913	0	0	0	0	0	0	0	0	0.068435	0	0
MGC133647	1	0	0	0	0	0	1.077112	0.054669	0.066491	0.266001	0	0	0.292855	#DIV/0!
MGC134040	1	0	0.080746	0	0	0	0	0	0	0	0.198097	0.016149	0.039619	2.453327
MGC134105	1	0	0.051542	0	0	0	0	0	0	0	0	0.010308	0	0
MGC134179	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MGC134232	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MGC137014	1	0	0.054593	0	0	0	0	0	0	0	0	0.010919	0	0
MGC137030	1	0	0.05787	0	0	0	0	0	0	0	0	0.011574	0	0
MGC137036	0.788063	0.15916	0.215688	0.486639	0.476642	0.172763	0	0	0	0	0	0.302178	0	0
MGC137055	1	0.41126	0.619251	0	0	1.860041	0	0	0	0	0	0.578111	0	0
MGC137098	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MGC137211	1	0.021366	0	0	0.051189	0	0	0	0	0	0.035518	0.014511	0.007104	0.489528
MGC137454	1	3.824985	3.313962	1.502767	0.800019	0.054919	0.95321	1.935215	1.673728	2.092465	2.186752	1.899331	1.768274	0.930998
MGC138914	1	0	0	0	0	0	0	0	0	0	0.00999	0	0.001998	#DIV/0!
MGC139164	0.033846	0.399063	0.119708	0.12256	0.149386	0.23689	0	0	0	0	0	0.205521	0	0
MGC140080	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MGC148318	1	4.515255	6.367347	1.811556	2.483348	2.538506	2.932213	4.526872	0.560334	1.133424	0.532517	3.543202	1.937072	0.546701
MGC148714	1	289.6019	260.2335	115.9374	131.1704	851.0883	275.9218	104.5001	60.22841	85.86604	71.70394	329.6063	119.6441	0.362991

MGC151921	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MGC152010	1	0	0	0	0	0	0	0	0	0.102147	0	0	0.020429	#DIV/0!
MGC152281	1	0	0	0.040631	0.178286	0.050486	0	0	0	0.144265	0.092779	0.053881	0.047409	0.879887
MGC157082	1	0	0.016056	0.015525	0.059607	0	0	0	0	0	0	0.018238	0	0
MGC157368	1	16.25956	20.11078	43.18461	32.96145	39.00503	25.35085	19.40579	2.001043	9.544824	32.9362	30.30429	17.84774	0.588951
MGC157405	1	0	0.062936	0	0	0	0	0	0	0	0	0.012587	0	0
MGC157408	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MGLL	1	17.14631	18.41086	25.19702	31.37434	22.33362	7.082813	6.967012	5.936405	9.337033	25.56387	22.89243	10.97743	0.479522
MGME1	1	2.451834	2.442572	2.019284	1.987691	3.449948	7.992529	12.05147	11.94784	5.377312	4.885429	2.470266	8.450916	3.421056
MGMT	0.003277	2.524713	1.997024	3.931834	4.606692	4.30732	0.222998	0.316913	0.247784	0.330427	0.106251	3.473517	0.244875	0.070498
MGP	1	19.01032	1.517598	11.88268	8.166632	4.891941	22.12733	8.845323	11.18156	36.76895	2.887722	9.093833	16.36218	1.799261
MGRN1	1	18.56656	19.72534	28.15742	35.40147	27.77829	6.877104	11.57704	9.241191	8.980129	19.14457	25.92582	11.16401	0.430613
MGST1	1	9.426767	5.162175	7.761704	5.787558	6.818353	8.11133	8.568346	4.443851	26.85478	4.24722	6.991311	10.44511	1.494012
MGST2	1	3.979083	1.048875	2.711672	1.73328	2.095911	0	0.062324	0	2.628162	0.24378	2.313764	0.586853	0.253636
MGST3	1	34.94084	33.71912	25.55243	23.81578	168.849	97.60448	68.89357	41.42768	37.12939	62.31982	57.37544	61.47499	1.071451
MIA	1	2.998049	1.906896	3.386701	6.646051	12.53088	1.803422	1.757435	7.0358	0.356295	11.17049	5.493715	4.424689	0.805409
MIA2	1	6.873881	7.523223	4.273346	4.471048	4.872457	3.418275	5.43168	5.34197	7.001849	3.891935	5.602791	5.017142	0.895472
MIA3	1	13.8205	12.3831	13.41225	13.28782	4.071367	5.653939	11.72274	12.56472	13.10929	11.31262	11.39501	10.87266	0.95416
MIB1	1	8.172248	15.76221	25.3877	18.10198	5.500701	11.07272	14.85038	8.998926	15.47633	10.44496	14.58497	12.16866	0.834329
MIB2	1	8.359139	8.18328	14.21233	16.55997	5.979053	2.024973	2.772457	4.330661	7.455772	13.59267	10.65875	6.035307	0.56623
MIC1	1	0.371131	0.221075	0.160326	0.571598	0.044269	0.106717	0.138661	0.158105	0.316255	0.047457	0.27368	0.153439	0.560652
MICAL1	5.31E-05	1.252059	1.039836	1.383183	2.025067	0.793232	29.37122	10.94247	6.534704	6.573433	9.159513	1.298675	12.51627	9.637718
MICAL2	1	18.03585	19.96874	10.06774	13.00682	19.02418	17.02189	37.85987	25.91374	17.14461	11.9118	16.02066	21.97038	1.371377
MICAL3	1	6.309202	6.000959	14.59748	13.59066	6.026283	2.168695	7.546029	11.08403	11.80829	14.32129	9.304916	9.385667	1.008678
MICALL1	1	1.998945	2.380209	6.922882	7.273741	3.325047	6.08409	2.692552	2.615503	4.583201	3.559271	4.380165	3.906923	0.891958
MICALL2	1	3.435934	2.530305	6.168291	7.365967	6.30652	6.168365	1.134165	1.221356	1.034711	1.940858	5.161403	2.299891	0.445594
MICU1	1	28.29298	29.04051	34.55699	40.7141	43.57828	46.15884	44.62634	40.10781	29.44157	30.28475	35.23657	38.12386	1.08194
MICU2	1	13.86085	11.67273	10.29368	11.73783	14.8099	17.68832	17.50524	19.87472	20.83943	22.78362	12.475	19.73826	1.582226
MICU3	1	31.0102	37.17719	21.69332	19.48875	8.106335	15.52676	35.6939	52.3405	44.43759	29.14596	23.49516	35.42894	1.507925
MID1	1	0.642183	0.21488	0.636321	0.573389	0.354989	0.248945	0.783385	1.521378	1.690666	0.805584	0.484352	1.009992	2.085242
MID1IP1	1	13.47611	15.8326	40.47701	40.87046	18.46368	25.43379	18.08132	15.28525	22.82475	30.6039	25.82397	22.4458	0.869185
MID2	1	2.204624	2.723015	2.151534	2.010107	1.524715	1.872375	3.55503	2.363742	3.568924	0.938194	2.122799	2.459653	1.158684
MIDN	1	4.504313	5.824137	9.245074	10.566	7.162749	5.067807	5.57354	2.688617	4.920313	10.07248	7.460455	5.664551	0.759277
MIEF1	1	5.213642	4.890858	8.127735	7.887603	7.290128	6.486003	6.216151	4.518295	4.456313	5.415319	6.681993	5.418416	0.810898
MIEF2	1	1.361372	1.6194	3.594248	3.768911	3.39877	0.094993	0.064285	0	0.563024	7.171367	2.74854	1.578734	0.57439
MIEN1	1	23.66391	19.03186	19.19582	23.3974	94.7272	71.02838	43.31394	22.65112	21.10097	42.25119	36.00324	40.06912	1.112931
MIER1	1	11.72119	11.24471	6.964801	6.662369	4.589137	9.918296	13.13501	17.01142	18.01249	8.645656	8.236441	13.34457	1.620187
MIER2	1	4.735681	4.54543	7.099932	9.626132	8.802895	2.688241	2.452222	3.237087	2.691902	7.895676	6.962014	3.793026	0.544817
MIER3	1	4.260694	4.287387	3.701642	3.17698	2.099541	2.354055	5.184501	9.560679	9.543467	6.257178	3.505249	6.579976	1.877178
MIF	1	29.05783	44.08728	79.38024	122.399	26.01717	54.98546	12.48883	6.279407	42.94381	252.981	60.1883	73.93569	1.228406
MIF4GD	1	9.112336	10.75837	14.93866	18.76918	29.19175	9.84723	4.526475	3.670179	4.527213	13.67231	16.55406	7.248682	0.437879
MIGA1	1	17.26138	17.79694	13.68231	13.43797	5.645051	5.397969	23.69057	13.65079	16.30102	9.125518	13.56473	13.63317	1.005046
MIGA2	1	5.086691	4.865741	8.018543	9.093371	11.17749	2.443165	4.247116	3.468804	2.689971	6.184197	7.648367	3.806651	0.497708
MIIP	1	2.728149	2.505042	5.145186	5.540384	8.441144	0.880656	1.582034	2.095455	2.583452	2.36503	4.871981	1.901325	0.390257
MILR1	1	1.524987	1.606594	1.430555	1.005338	2.360783	0	0	0.026451	0.264551	0.085068	1.585652	0.075214	0.047434
MINDY1	1	3.94896	3.60366	14.33717	11.41171	7.97385	11.08571	6.607355	13.93261	13.06058	10.20856	8.25507	10.97896	1.329966

MINDY2	1	3.300869	4.456394	7.757781	4.825266	2.279821	2.195537	3.774082	19.37067	8.5927	4.924271	4.524026	7.771451	1.717817
MINDY3	1	29.58985	30.40626	18.34913	20.06331	25.83252	45.03264	100.0617	46.23543	47.43407	32.87009	24.84821	54.32679	2.186346
MINDY4	0.074402	5.16998	4.396038	2.597676	3.837285	6.78557	1.909849	2.283354	1.10036	0.698743	0.999852	4.55731	1.398432	0.306855
MINDY4B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MINK1	1	47.02548	39.24931	56.83607	63.91994	33.8243	79.95605	73.46389	54.04908	56.19725	81.24775	48.17102	68.9828	1.43204
MINOS1	1	27.71763	33.13841	28.60326	35.21259	120.7925	80.72574	37.87117	34.60055	25.48954	36.25742	49.09288	42.98888	0.875664
MINPP1	1	4.651414	4.896082	4.522623	4.655971	2.989897	1.847909	5.252296	3.808122	3.692014	2.365559	4.343197	3.39318	0.781263
MIOS	1	3.965766	3.355441	3.563158	2.554968	1.605904	1.892607	4.121833	5.491074	4.418992	5.840958	3.009047	4.353093	1.446668
MIOX	1	0	0	0.198148	0.13042	0.196967	0	0	0	0.750457	0.150822	0.105107	0.180256	1.714972
MIP	1	0.081727	0.036918	0.107093	0.07832	0.443561	0.171082	0	0	0	0.244544	0.149524	0.083125	0.555932
MIPEP	1	7.455692	5.680799	7.017207	7.863365	9.656749	14.97079	14.53618	11.83987	5.108139	5.456049	7.534762	10.38221	1.377908
MIPOL1	1	2.187159	2.388988	2.317859	2.276379	1.615161	5.178899	6.201882	4.837132	3.37351	1.871536	2.157109	4.292592	1.989974
MIR100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR101-1	1	0.452551	0	0	0	0	0	0	0	0	0	0.09051	0	0
MIR101-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR103-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR103-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR105A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR105B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR106A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR106B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR107	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR10A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR10B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1179	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1185	1	0	0.986482	0	0	0	0	0	0	0	0	0.197296	0	0
MIR1193	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1197	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1224	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1225	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1246	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1247	1	0	0	0	0.576859	0	0	0	0	0	0	0.115372	0	0
MIR1248-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1248-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1249	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR124A-1	1	0	0	1.930198	0	0	0	0	0	0	0	0.38604	0	0
MIR124A-2	1	0.338394	0.955376	0	0.40536	0	0	0	0	0	0	0.339826	0	0
MIR124B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1251	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1256	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR125A	1	0.436765	0	0	0	0	0	0	0	0	0	0.087353	0	0
MIR125B-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR125B-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR126	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1260B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR127	1	0	1.339538	0	0	0	0	0	0	0	0	0.267908	0	0
MIR1271	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1277	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1281	1	0	0	0.759569	0	0	0	0	0	0	0	0.151914	0	0
MIR128-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1282	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR128-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1284	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1291	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR129-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR129-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1296	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1298	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1301	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1306	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1307	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR130A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR130B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR132	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR133A-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR133A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR133B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR133C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR134	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1343	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR135A-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR135A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR135B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR136	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR137	1	0.736505	0.41587	0	0	0	0	0	0	0	0	0.230475	0	0
MIR138-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR138-2	1	0	0	1.482532	0	0	0	0	0	0	0	0.296506	0	0
MIR1388	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR139	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR140	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR142	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR143	1	1.487594	0	0.406106	0	0	0	0	0	0	0	0.37874	0	0
MIR1434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR144	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR145	1	0	0	1.864396	1.53392	0	0	0	0	0	0	0.679663	0	0
MIR1468	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR146A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR146B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR147	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR148A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR148B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR149	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR150	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR151	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR152	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR153-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR153-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR154A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR154B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR154C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR155	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1584	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR15A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR15B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1603	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR16A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR16B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1721	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1777A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1777B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1814A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1814B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1814C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR181A-1	1	0	0	0.745758	0	0	0	0	0	0	0	0.149152	0	0
MIR181A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR181B-1	1	0	0	0	0.409045	0	0	0	0	0	0	0.081809	0	0
MIR181B-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR181C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR181D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR182	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR183	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1835	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1839	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR184	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1842	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR1843	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR185	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR186	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR187	1	0.861508	0	0	0.412798	0	0	0	0	0	0	0.254861	0	0
MIR188	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR18A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR18B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR190A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR190B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR191	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR193A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR193A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR193B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR194-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR194-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR195	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR196A-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR196A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR196B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR197	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR199A-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR199A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR199B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR199C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR19A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR19B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR19B-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR200A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR200B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR200C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR202	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR204	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR205	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR206	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR208A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR208B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR20A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR20B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR210	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR211	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR212	1	0	0	0.73904	0.810721	0	0	0	0	0	0	0.309952	0	0
MIR214	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR215	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR216A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR216B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR217	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR218-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR218-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR219-1	1	0.391268	0	1.709029	2.34349	0	0	0	0	0	0	0.888757	0	0
MIR219-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR22	1	0	0.249522	0	1.058706	0	0	0	0	0	0	0.261646	0	0

MIR221	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR222	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR223	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR224	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284AA-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284AA-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284AA-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284AA-4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284AB	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284AC	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284E	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284F	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284G	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284H	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284I	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284J	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284K	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284L	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284M	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284N	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284O	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284P	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Q	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284R	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284S	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284T	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284U	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284V	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284W	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284X	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Y-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Y-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Y-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Y-4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Y-5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Y-6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Y-7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Z-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Z-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Z-3	1	0	0	0	0.599933	0	0	0	0	0	0	0.119987	0	0
MIR2284Z-4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Z-5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2284Z-6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR2284Z-7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285AA	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285AB	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285AC	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285AD	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285AE	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285AF-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285AF-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285B-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285B-2	1	0	0	2.025516	0.555494	0	0	0	0	0	0	0.516202	0	0
MIR2285C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285E-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285E-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285F-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285F-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285G-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285G-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285G-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285H	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285I	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285J-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285J-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285K-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285K-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285K-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285K-4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285K-5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285L	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285M-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285M-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285M-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285M-4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285M-5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285N-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285N-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285N-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285N-4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285N-5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285N-6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285N-7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285O-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285O-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285O-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285O-4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR2285O-5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285P	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285Q	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285R	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285T	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285U	1	0	0	0	0	0	0	0	0	0	0.30911	0	0.061822	#DIV/0!
MIR2285V	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285W	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285X	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285Y	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2285Z	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2286	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2287	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2288	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2289	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2290	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2291	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2292	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2293	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2294	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2295	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2296	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2297	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2298	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2299	0.796086	10.9357	15.57143	5.191988	6.834684	0	0	0	0	0	0	7.70676	0	0
MIR2300A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2300B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2301	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2302	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2303	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2304	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2305	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2306	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2307	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2308	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2309	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2310	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2311	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2312	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2313	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2314	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2315	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2316	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2317	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2318	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2319A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR2319B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2320	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2321	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2322	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2324	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2325A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2325B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2325C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2326	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2327	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2328	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2329-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2329-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2330	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2331	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2332	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2333	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2334	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2335	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2336	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2337	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2338	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2339	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2340	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2341	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2342	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2343	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2344	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2345	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2346	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2347	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2348	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2349	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2350	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2351	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2352	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2353	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2354	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2356	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2357	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2358	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2359	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2360	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2361	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2362	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR2363-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2363-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2364	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2365	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2366	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2367	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2368	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2369	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2370	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2371	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2372	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2373	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2374	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2375	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2376	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2377	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2378	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2379	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2380	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2381	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2382	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2383	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2384	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2385	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2386	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2387	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2388	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2389	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2390	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2392	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2393	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2394	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2395	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2396	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2397	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2398	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2399	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR23A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR23B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2400	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2401	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2402	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2403	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2404-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2404-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2405	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR2406	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2407	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2408	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2409	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR24-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2410	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2411	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2412	1	0.481561	0	0	0	0	0	0	0	0	0	0.096312	0	0
MIR2413	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2414	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2415	1	0	0	0.61219	0.671567	0	0	0	0	0	0	0.256751	0	0
MIR2416	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2418	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2419	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR24-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2420	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2421	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2422	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2423	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2424	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2425	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2426	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2427	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2428	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2429	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2430	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2431	1	1.104758	0	0	0	0	0	0	0	0	0	0.220952	0	0
MIR2432	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2433	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2434	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2435	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2436	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2437	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2438	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2439	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2440	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2441	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2442	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2443	1	0.514545	0	2.247491	1.84911	0	0	0	0	0	0	0.922229	0	0
MIR2444	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2446	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2447	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2448	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2449	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2450A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2450B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR2450C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2450D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2451	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2452	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2453	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2454	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2455	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2456	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2457	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2458	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2459	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2460	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2461	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2462	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2463	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2464	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2465	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2466	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2467	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2468	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2469	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2470	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2471	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2472	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2473	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2474	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2475	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2477	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2478	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2479	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2480	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2481	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2482	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2483	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2484	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2485	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2486	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2488	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2489	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR26A-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR26A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR26B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR26C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR27A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR27B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2881	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2882	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2883	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2885	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2886	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2887-1	1	5.930804	295.4426	2.878365	0	0	0	0	0	0	0	60.85036	0	0
MIR2887-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2888-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2888-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2889	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2890	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2891	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2892	1	0	0.403988	0	0	0	0	0	0	0	0	0.080798	0	0
MIR2893	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2894	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2895	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2896	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2897	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2898	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2899	1	0	0.623805	0	0	0	0	0	0	0	0	0.124761	0	0
MIR2900	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2901	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2902	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2903	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2917	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR2957	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR296	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR299	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR29A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR29B-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR29B-2	1	1.391176	2.094751	1.012758	2.777469	0	0	0	0	0	0	1.455231	0	0
MIR29C	1	10.67095	11.56874	6.059286	5.368722	0	0	0	0	0	0	6.733541	0	0
MIR29D	1	0	0	0.932198	0	0	0	0	0	0	0	0.18644	0	0
MIR29E	1	0	1.571064	1.012758	1.110988	0	0	0	0	0	0	0.738962	0	0
MIR301A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR301B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR302A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR302B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR302C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR302D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3064	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR30A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR30B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR30C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR30D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR30E	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR30F	1	0	1.009969	0	0.535655	0	0	0	0	0	0	0.309125	0	0
MIR31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3120	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3154	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR320A-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR320A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR320B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR323	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR324	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR326	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR328	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR329A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR329B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR330	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR331	1	0	0.471319	0	0	0	0	0	0	0	0	0.094264	0	0
MIR335	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR338	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR339A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR339B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR33A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR33B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR340	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR342	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3431	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3432A-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3432A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3432B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR345	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR346	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR34A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR34B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR34C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3533	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3578	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3596	1	0	0	0	0.542108	0	0	0	0	0	0	0.108422	0	0
MIR3600	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3601	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3604-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3604-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR361	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3613A	1	0	0	0	0.523198	0	0	0	0	0	0	0.10464	0	0
MIR3613B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR362	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR363	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR365-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR365-2	1	0	0	0.73904	0.40536	0	0	0	0	0	0	0.22888	0	0
MIR3660	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR367	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR369	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR370	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR371	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR374A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR374B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR375	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR376A	1	0.379412	0	0	0	0	0	0	0	0	0	0.075882	0	0
MIR376B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR376C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR376D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR376E	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR377	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR378-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR378-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR378B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR378C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR378D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR379	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR380	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR381	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR382	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR383	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3956	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR3957	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR409A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR409B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR410	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR411A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR411B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR411C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR412	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR421	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR423	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR424	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR425	1	0	0.487571	0	0	0	0	0	0	0	0	0.097514	0	0
MIR4286-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR4286-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR429	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR431	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR432	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR433	1	0	0.342086	0	0	0	0	0	0	0	0	0.068417	0	0
MIR4444	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR4449	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR448	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR449A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR449B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR449C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR449D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR450A-1	1	0	0.775952	0	0	0	0	0	0	0	0	0.15519	0	0
MIR450A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR450B	1	0	0	0	0.523198	0	0	0	0	0	0	0.10464	0	0
MIR451	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR452	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR4523	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR453	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR454	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR455	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR4657	1	0.354356	6.402825	0	0	0	0	0	0	0	0	1.351436	0	0
MIR4680	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR483	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR484	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR485	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR486	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR487A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR487B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR488	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR489	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR490	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR491	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR493	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR494	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR495	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR496	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR497	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR499	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR500	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR502A-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR502A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR502B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR503	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR504	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR505	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR532	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR539	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR541	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR542	1	0	0	0	0.463866	0	0	0	0	0	0	0.092773	0	0
MIR543	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR544A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR544B-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR544B-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR545	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR551A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR551B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR562	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR568	1	8.391457	9.476522	3.927132	6.940718	0	0	0	0	0	0	5.747166	0	0
MIR574	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR582	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR584-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR584-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR584-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR584-4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR584-5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR584-6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR584-7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR584-8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR592	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR599	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6119	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6120	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6121	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6123	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR615	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR628	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR631	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6516	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6517	1	0.722342	0	0	0	0	0	0	0	0	0	0.144468	0	0
MIR6518	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6519	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR652	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6520	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6521	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6522	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6523A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6523B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6524	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6525	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6527	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6528	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6529A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6529B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR653	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6530	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6531	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR6532	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6534	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6535	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6536-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR6536-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR654	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR655	1	0	0	0.422853	0	0	0	0	0	0	0	0.084571	0	0
MIR656	1	0	0.536946	0	0	0	0	0	0	0	0	0.107389	0	0
MIR658	1	0	0	0	0.224975	0	0	0	0	0	0	0.044995	0	0
MIR660	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR664A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR664B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR665	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR669	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR670	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR671	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR677	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR708	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR744	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR758	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR759	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR760	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR761	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR763	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR764	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR767	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR769	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7691	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7857	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7858	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7859	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7860	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7861	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7862	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7863	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7864	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR7865	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR8550	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR873	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR874	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR875	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR876	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR877	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR885	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

MIR9-1	1	0.834706	0.471319	0	0	0	0	0	0	0	0	0.261205	0	0
MIR9-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR92A-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR92A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR92B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR93	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR935	1	0	15.14954	9.014661	13.35017	0	0	0	0	0	0	7.502874	0	0
MIR940	1	0	0	0	0.967634	0	0	0	0	0	0	0.193527	0	0
MIR95	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR96	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR98	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR99A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIR99B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIRLET7A-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIRLET7A-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIRLET7A-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIRLET7B	1	0.463725	1.047376	0	1.110988	0	0	0	0	0	0	0.524418	0	0
MIRLET7C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIRLET7D	1	0	0.975143	0.942913	0	0	0	0	0	0	0	0.383611	0	0
MIRLET7E	1	0.713198	0	0	0	0	0	0	0	0	0	0.14264	0	0
MIRLET7F-1	1	0	0	0.942913	0	0	0	0	0	0	0	0.188583	0	0
MIRLET7F-2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIRLET7G	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MIRLET7I	1	1.341491	1.009969	0	0	0	0	0	0	0	0	0.470292	0	0
MIS12	1	4.375091	5.045256	3.014107	3.536539	6.447862	1.41473	3.779207	6.159193	3.457005	2.152294	4.483771	3.392486	0.756614
MIS18A	1	0.828812	1.010861	0.362019	0.75455	1.079579	7.547154	2.078197	1.113849	1.028318	0.495994	0.807164	2.452703	3.038666
MIS18BP1	1	0.120363	0.067963	0.234703	0.133883	0.069991	0.472423	0.977386	4.743826	1.644469	1.04329	0.125381	1.776279	14.1671
MISP	1	0.079528	0.09672	0.106884	0.117251	0.381823	0	0	0.031621	0	0.020339	0.156441	0.010392	0.066427
MISP3	1	2.648239	2.639726	4.927907	4.434759	6.599802	3.535486	1.004888	1.292022	1.67638	6.041873	4.250086	2.71013	0.637665
MITD1	1	1.477233	1.369584	0.742608	0.728646	1.250804	2.985569	1.308605	2.070022	1.425789	1.13048	1.113775	1.784093	1.601843
MITF	1	2.038869	1.837031	2.5425	2.936095	0.947752	2.074736	4.111858	1.756447	4.538149	0.455042	2.060449	2.587246	1.255671
MIXL1	1	0.15063	0.046393	0.104673	0.483905	0.11148	0.071664	0	0.035391	0	0.011382	0.179416	0.023687	0.132023
MKI67	1	0.168611	0.081067	0.058335	0.08999	0	0.078629	0.028379	0.004314	0	0.008325	0.0796	0.02393	0.300622
MKKS	1	12.2632	13.42767	10.94732	14.19616	18.61027	19.82853	11.73614	5.208969	12.75368	11.81359	13.88892	12.26818	0.883307
MKL1	1	3.756176	3.240376	9.892029	12.82687	2.346882	2.761611	5.155	6.875839	6.441116	8.607607	6.412466	5.968235	0.930724
MKL2	1	28.75548	26.48493	3.004844	3.958549	18.1779	16.73221	21.29438	4.152351	0.665953	0.734625	16.07634	8.715903	0.542157
MKLN1	1	9.064234	10.82772	11.50859	10.01267	8.141575	2.70975	4.209325	4.416032	6.936664	4.25449	9.910957	4.505252	0.454573
MKNK1	1	5.597693	4.989262	5.539317	5.370006	9.491936	9.569352	8.849041	15.67123	8.202672	14.73737	6.197643	11.40593	1.840366
MKNK2	1	3.229338	2.530629	5.798173	5.591828	3.342436	8.585512	4.178893	5.831529	4.334152	7.338313	4.098481	6.05368	1.477054
MKRN1	1	24.62815	23.7092	22.95598	21.30508	44.20253	76.64744	73.90011	65.37714	35.23034	58.29756	27.36019	61.89052	2.262065
MKRN2	1	7.332008	7.37862	12.89742	14.03327	18.39238	7.465287	10.19306	10.79262	9.28491	12.54455	12.00674	10.05609	0.837537
MKRN2OS	1	0	0	0.094075	0	0	0	0	1.001934	0	1.396311	0.018815	0.479649	25.4929
MKRN3	1	0.277422	0.498116	0.305119	0.425564	0.157066	0.501355	0.292634	0.165061	0.144449	0.026542	0.332657	0.226008	0.679402
MKS1	1	1.782355	1.740345	2.158774	2.526657	3.970761	2.851245	7.558288	9.413941	8.127746	6.106872	2.435778	6.811619	2.796486
MKX	1	1.206217	1.035392	1.09503	1.08798	0.847475	1.259507	1.35159	2.125162	4.591611	2.895776	1.054419	2.444729	2.318556
MLANA	1	0	0	0	0.099989	0	0	0	0	0	0	0.019998	0	0

MLC1	1	35.59537	29.34618	61.0794	72.84355	63.08722	7.33945	30.51079	20.98013	16.76353	26.0887	52.39034	20.33652	0.388173
MLEC	1	22.88235	20.78049	25.28375	27.06069	19.73918	12.41385	21.27953	16.50402	9.348099	8.328271	23.14929	13.57475	0.5864
MLF1	1	13.49249	12.03876	7.462559	8.136329	7.436194	2.710749	4.562484	2.871695	10.75423	2.527605	9.713268	4.685352	0.482366
MLF2	1	48.01356	44.23543	54.38404	64.06029	184.6679	154.2794	112.8682	63.34802	68.64726	151.5591	79.07224	110.1404	1.392908
MLH1	1	5.106107	5.310596	5.952596	7.258614	10.42793	8.295124	6.798477	9.099952	7.196358	9.752024	6.811169	8.228387	1.208073
MLH3	1	2.161012	2.547754	2.885295	2.790615	3.909517	3.641429	4.214257	5.157224	3.042492	4.300597	2.858839	4.0712	1.424075
MLIP	1	2.103061	2.332255	0.392653	0.583762	2.433025	2.612225	2.156533	0.213986	0.660395	0.043257	1.568951	1.137279	0.724866
MLKL	1	0.579948	0.335085	0.780569	0.731068	0.365997	0.158811	0.121803	0.043571	1.987128	1.042538	0.558534	0.67077	1.200949
MLLT1	1	6.127187	6.623682	9.921279	14.09308	11.76836	11.23531	8.695183	8.822086	7.347258	25.08885	9.706718	12.23774	1.260749
MLLT10	1	6.353447	7.123459	5.299912	5.772969	5.169254	6.252968	6.980642	11.37912	10.34884	6.3758	5.943808	8.267472	1.390939
MLLT11	1	146.7402	146.6928	54.36476	49.02241	317.1197	204.7878	147.9947	67.61386	66.93307	67.8255	142.788	111.031	0.777593
MLLT3	1	7.563782	8.131255	4.905996	5.888156	5.454248	4.857092	6.356205	7.929267	5.149426	2.43216	6.388687	5.34483	0.836608
MLLT6	1	11.76176	13.11182	24.97619	26.17338	24.61993	47.39916	22.60715	20.79732	20.79372	33.21449	20.12862	28.96237	1.438865
MLN	1	0	0	0	0.095938	0	0	0	0	0	0	0.019188	0	0
MLNR	1	0	0	0	0	0	0	0	0	0	0.107075	0	0.021415	#DIV/0!
MLPH	1	0.129784	0.244277	0.118102	0.077734	0.117397	0	0	0.055903	0.027956	0.008989	0.137459	0.01857	0.135093
MLST8	1	8.208709	10.70233	15.66138	15.92365	22.99532	10.25703	11.95538	11.82912	4.648894	8.451847	14.69828	9.428454	0.641467
MLX	1	13.96619	12.02508	12.79926	13.15504	32.34561	18.9684	18.48854	29.24404	8.762836	13.11454	16.85824	17.71567	1.050861
MLXIP	1	1.610933	1.497198	4.343138	4.72843	2.83743	1.610181	1.397964	1.939456	2.793223	2.62801	3.003426	2.073767	0.690467
MLXIPL	1	0.396686	0.527621	0.847095	1.034853	0.586081	4.797839	1.217577	4.761543	1.276006	2.908795	0.678467	2.992352	4.410459
MLYCD	1	2.443694	1.51588	3.457731	5.002499	1.681196	1.801219	2.169731	3.973187	3.202736	9.36412	2.8202	4.102199	1.454577
MMAA	1	4.342065	3.229785	3.514995	2.871136	6.944078	4.484094	6.938456	12.44874	4.668957	5.986096	4.180412	6.905269	1.651815
MMAB	1	6.494981	4.88988	2.806204	5.102526	23.50032	9.027251	6.470626	7.869817	9.554346	7.929376	8.558783	8.170283	0.954608
MMACHC	1	2.104023	1.897679	2.960604	3.112436	8.315364	13.22803	12.51264	4.853812	4.964018	4.530434	3.678022	8.017788	2.179919
MMADHC	1	50.00571	48.26062	29.59354	31.68929	58.60795	41.51044	59.60309	48.35243	38.99957	51.66722	43.63142	48.02655	1.100733
MMD	1	79.8702	71.63727	26.12708	37.48043	65.9056	37.81113	39.50752	6.460667	8.312531	4.148423	56.20411	19.24805	0.342467
MMD2	1	1.638208	0.512064	1.533335	0.893592	2.341856	0.53583	0.963521	0.756045	0.68054	0.729441	1.383811	0.733076	0.529751
MME	1	0.869814	0.160373	0.300453	0.271118	0.132471	0.209021	1.414524	1.112523	0.527665	0.20656	0.346846	0.694059	2.001058
MMEL1	1	0.031965	0.052507	0.361744	0.226263	0.015771	0.182491	0.037049	0.045061	0.090135	1.033746	0.13765	0.277696	2.017409
MMP1	1	0	0	0	0	0	0	0	0	0	0.03085	0	0.00617	#DIV/0!
MMP11	1	0.233464	0.224593	0.736488	0.870069	0.563151	0.135755	0.110244	0.312861	0.044701	0.546208	0.525553	0.229954	0.437546
MMP12	1	0	0	0.14997	0.041129	0	0	0	0	0	0	0.03822	0	0
MMP13	1	0	0.055961	0	0	0	0	0	0	0	0	0.011192	0	0
MMP14	1	5.493798	0.869525	3.863069	3.701805	0.395297	3.648308	6.38977	14.60177	6.024443	3.234436	2.864699	6.779746	2.366652
MMP15	1	4.651269	3.244652	9.719391	12.69583	7.701338	5.677958	4.856468	2.972781	4.180676	7.21427	7.602497	4.980431	0.655105
MMP16	0.759901	3.139048	5.870268	4.289583	3.738921	1.803506	1.459547	2.307501	0.828138	0.797583	0.463616	3.768265	1.171277	0.310827
MMP17	1	4.112985	3.828898	2.803205	4.709341	3.713127	1.035039	1.518115	0.385968	0.625986	3.066319	3.833511	1.326285	0.345971
MMP19	1	0.345207	0.408408	0.700066	0.699047	0.42378	0	0.139723	0.233663	0.424903	0.300587	0.515302	0.219775	0.426498
MMP2	1	10.42937	1.703272	3.60933	3.22903	1.806965	12.4695	12.63227	4.33339	4.022967	2.160468	4.155593	7.123718	1.714248
MMP20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MMP23	1	0.065348	0.014759	0.941929	0.062624	0.141865	0.547176	0.055544	0	0.337823	0.695228	0.245305	0.327154	1.333664
MMP24	1	3.066266	3.582475	17.00867	4.732974	6.860266	25.9053	11.94827	57.96964	31.00736	48.36199	7.050129	35.03851	4.969911
MMP24OS	1	6.543767	7.865053	10.42036	9.543744	38.91618	21.64364	13.9242	11.77593	7.126747	12.72315	14.65782	13.43873	0.91683
MMP25	1	0.100948	0.518186	0.42089	0.791507	0.485619	0.192107	0.146256	0.023718	0	0.457661	0.46343	0.163948	0.353771
MMP27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MMP28	1	1.202275	0.708384	1.745045	2.683598	3.059935	3.908012	4.046381	3.5125	1.235345	2.308921	1.879847	3.002232	1.597061

MMP3	1	0	0	0	0.025095	0	0	0	0	0	0	0.005019	0	0
MMP7	1	0	0	0	0	0	0.726702	1.364706	0.762614	0	0	0	0.570804	#DIV/0!
MMP8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MMP9	1	0	0.018128	0	0.048072	0.08712	0.504033	0.051165	0	0.041492	0.120077	0.030664	0.143353	4.675
MMRN1	1	0.019009	0.008587	0.190968	0.173058	0.020634	0.039792	0.145415	0.157208	0.078616	0.01264	0.082451	0.086734	1.051948
MMRN2	1	0.635721	0.642792	2.071823	1.402035	0.748897	1.844	1.068134	0.72597	1.312032	0.892939	1.100254	1.168615	1.062132
MMS19	1	9.871179	9.356005	14.22053	17.27624	14.91556	19.20444	19.96556	23.38554	20.79324	15.87643	13.1279	19.84504	1.511669
MMS22L	1	0.269582	0.553528	0.633359	0.327824	0.044337	0.513022	0.338501	0.506705	1.414757	0.156168	0.365726	0.585831	1.60183
MN1	1	2.981124	3.471451	2.428824	4.912942	7.125808	4.996187	4.507658	0.469471	1.116461	0.785116	4.18403	2.374978	0.567629
MNAT1	1	16.92848	15.08628	6.791823	6.721715	11.74143	21.65275	29.27767	22.05007	21.38924	14.47497	11.45395	21.76894	1.900562
MND1	1	0.103953	0.586975	0.264868	0.373575	0.940316	0	0.110448	0.582099	7.702741	0.460813	0.453937	1.77122	3.901904
MNF1	1	24.75995	22.57637	19.54702	23.55207	68.08623	135.3359	51.75624	48.91732	48.35555	79.69659	31.70433	72.81232	2.296605
MNS1	1	2.560603	2.637488	1.188098	1.003717	0.856913	1.407132	1.534684	1.591811	1.648613	1.325308	1.649364	1.501509	0.910357
MNT	1	2.261944	3.292283	2.489386	3.781486	2.71737	3.475057	3.908596	4.285744	2.092702	3.057668	2.908494	3.363953	1.156596
MNX1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MOB1A	1	6.022063	5.684838	6.243443	4.213629	1.062476	12.71675	19.28071	43.18961	17.15627	6.560144	4.64529	19.7807	4.258227
MOB1B	1	9.55578	9.980687	7.11697	9.256308	7.715715	6.522851	12.01757	8.684999	8.678957	4.510351	8.725092	8.082946	0.926402
MOB2	1	3.248713	4.110652	6.188758	8.152503	8.622889	17.31183	9.070096	7.415546	4.658376	14.0924	6.064703	10.50965	1.732921
MOB3A	1	1.840443	1.315884	2.596985	3.113717	3.032288	2.032651	0.914224	0.66406	0.278019	1.400583	2.379863	1.057907	0.444524
MOB3B	1	2.323593	2.577757	9.254076	7.745695	3.67761	1.809941	2.645682	1.178527	3.681779	1.068919	5.115746	2.07697	0.405995
MOB3C	1	1.775861	1.11745	2.075165	2.433435	1.760484	1.47464	1.058283	2.692799	0.542026	1.50327	1.832479	1.454204	0.793572
MOB4	1	16.12659	16.85083	5.796861	4.649025	17.42315	7.583603	16.24995	13.60847	9.642281	5.175523	12.16929	10.45197	0.858881
MOBP	0.52786	34.17741	84.54473	59.2391	85.29108	185.763	42.80471	21.48997	10.22804	10.46143	5.385631	89.80307	18.07396	0.201262
MOCOS	1	0.477213	0.267233	0.637387	0.633067	1.530452	0.619193	0.519597	0.784846	1.182537	0.616272	0.70907	0.744489	1.049951
MOCS1	1	1.441526	1.703237	2.162312	2.734605	3.034799	1.100723	0.948384	0.928071	1.644251	3.325822	2.215296	1.58945	0.717489
MOCS2	1	4.986624	4.587702	3.780828	4.333433	7.318167	4.728436	4.660624	5.008891	3.066387	2.946589	5.001351	4.082185	0.816217
MOCS3	1	6.000303	4.180059	5.229817	6.122271	4.418835	3.258314	4.361576	3.819393	0.990357	4.287786	5.190257	3.343485	0.644185
MOG	1	16.91866	37.11384	21.49895	22.71986	96.18623	26.77692	18.43053	6.824585	3.420527	1.557769	38.88751	11.40207	0.293206
MOGAT1	1	0.565722	0.592578	1.414575	1.437195	0.882545	0.271747	0.249718	0.028253	0.536879	0.122663	0.978523	0.241852	0.24716
MOGAT2_1	1	0.043613	0.024626	0	0.013061	0	0.02853	0	0.028179	0	0	0.01626	0.011342	0.697526
MOGAT2_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MOGAT2_3	1	0	0	0	0	0	0	0	0	0	0.017403	0	0.003481	#DIV/0!
MOGS	1	1.796996	1.743636	3.527862	3.232801	4.049043	5.432069	5.252197	8.165134	4.594604	4.874432	2.870068	5.663687	1.973364
MOK	0.001865	0.525934	0.886544	0.958591	0.998293	0.79756	0.060714	0.045196	0.059967	0.479804	0.15107	0.833384	0.15935	0.191209
MON1A	1	4.030644	3.576437	5.658922	9.415152	6.640833	11.19974	8.728056	6.250182	3.026322	6.094059	5.864398	7.059672	1.203819
MON1B	1	3.715502	3.492362	4.511979	5.262822	0.89351	4.054445	3.66296	2.511168	3.270834	6.015421	3.575235	3.902965	1.091667
MON2	1	5.75866	7.239989	8.72999	7.892583	3.19257	5.980302	9.426208	14.57481	15.79216	11.06857	6.562759	11.36841	1.732261
MORC1	1	0.031796	0.047877	0	0	0	0	0.168913	0.328701	0.76708	0.008809	0.015935	0.2547	15.98417
MORC2	1	8.701325	9.022859	12.28538	10.26774	7.493677	6.938332	9.263508	9.027496	6.81517	7.670131	9.554196	7.942927	0.831355
MORC3	1	4.760454	5.059772	4.948135	3.903328	2.296971	4.413067	8.222407	11.72744	10.70922	6.971887	4.193732	8.408805	2.005089
MORC4	1	0.90583	0.505797	1.088064	0.777647	0.669156	2.291245	1.240455	2.184996	2.393439	1.129344	0.789299	1.847896	2.341187
MORF4L1	1	186.4869	182.1296	124.9267	132.9943	259.0792	179.3766	126.8883	130.5087	144.9766	115.5096	177.1233	139.452	0.787316
MORF4L2	1	97.96633	104.7519	56.48775	68.78081	111.9159	156.8956	144.033	108.401	92.26571	91.35533	87.98054	118.5901	1.347913
MORN1	1	1.205953	1.254501	0.641919	0.600624	1.055664	0.135724	0.01837	0	0.916158	0.208373	0.951732	0.255725	0.268694
MORN2	1	18.4888	17.25116	6.060011	6.647784	30.19863	46.62112	24.76433	15.77678	19.02548	10.09919	15.72928	23.25738	1.478605
MORN3	1	0.050645	0.190646	0.036869	0.08089	0	0.441737	0.251109	0.567187	0.261817	0.070158	0.07181	0.318401	4.433946

MORN4	1	30.86723	26.3278	15.86533	19.36562	41.46441	58.56474	20.70394	8.604059	10.5228	22.24206	26.77808	24.12752	0.901018
MORN5	1	0.855745	0.74022	0.47717	0.414399	1.605785	1.762773	0	0	0.282376	0.075667	0.818664	0.424163	0.518116
MOS	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MOSMO	1	3.021461	5.345298	3.180694	2.577839	1.120761	6.768573	8.475921	6.123443	7.697557	4.733601	3.049211	6.759819	2.216908
MOSPD1	1	4.065126	4.473914	2.195306	2.116058	3.911138	3.287821	3.502392	1.967503	3.85916	1.818407	3.352308	2.887057	0.861215
MOSPD2	1	3.407131	3.644662	4.510593	3.477316	3.236637	3.373364	3.410339	2.549866	4.896455	2.565835	3.655268	3.359172	0.918995
MOSPD3	1	6.321549	5.368057	7.812706	7.205657	16.65592	22.88864	8.564822	10.41686	7.536694	20.99668	8.672779	14.08074	1.623556
MOV10	1	2.260821	1.257139	1.679266	2.295804	3.534704	8.558403	2.64593	2.357947	3.767331	2.480056	2.205547	3.961933	1.79635
MOV10L1	1	0.009164	0.051743	0.090059	0.054885	0.024867	0.52752	0.077889	0	2.510753	0	0.046143	0.623232	13.5064
MOXD1	1	11.09922	4.355177	2.944438	4.469453	2.994946	9.484073	5.556532	17.38945	23.59993	1.167496	5.172647	11.4395	2.211536
MPC1	1	16.91087	16.77716	11.3193	11.11739	45.51465	24.58673	14.00597	8.830536	22.31825	45.43895	20.32788	23.03609	1.133226
MPC1L	1	0	0.121544	0.058763	0.064463	0	0	0	0	0	0.178912	0.048954	0.035782	0.730939
MPC2	1	25.17062	20.29241	19.04347	19.13556	50.77354	73.253	55.66175	37.13348	38.96389	33.53812	26.88312	47.71005	1.774722
MPDU1	1	10.92776	12.39865	13.98933	13.18237	34.38235	51.42275	25.39874	20.56083	21.59035	14.7582	16.97609	26.74617	1.57552
MPDZ	1	8.930345	9.477602	8.892368	9.033809	4.534198	6.254925	8.997589	4.577549	8.181772	2.469889	8.173664	6.096345	0.745852
MPEG1	1	0.787305	0.454892	0.549822	0.553802	0.298114	1.461242	2.626194	1.218481	2.153357	0.631554	0.528787	1.618166	3.060147
MPG	1	3.555081	4.785285	9.999293	9.979771	11.49883	10.89984	8.126668	5.290005	8.168214	20.47513	7.963651	10.59197	1.33004
MPHOSPH10	1	8.047723	5.309606	4.590723	4.552943	5.354948	2.55931	3.573345	3.924736	4.302314	3.323107	5.571189	3.536562	0.634795
MPHOSPH6	1	27.05631	20.40269	12.89857	12.50093	23.7333	13.58505	18.95465	19.63137	10.8979	7.124436	19.31836	14.03868	0.726701
MPHOSPH8	1	30.97326	32.83303	15.50918	15.65571	15.07819	5.716258	10.99971	9.728898	9.182011	9.426025	22.00987	9.01058	0.409388
MPHOSPH9	1	3.59961	4.724764	5.134191	3.600847	2.676295	5.433544	7.784681	14.0156	12.77666	9.565354	3.947141	9.915168	2.511987
MPI	1	4.882823	4.573885	4.737014	6.218521	10.12608	30.23372	24.83628	16.57788	8.237003	35.23581	6.107664	23.02414	3.769713
MPIG6B	1	0.263704	0.065371	0.463545	0.285071	0.279261	0.807834	0.45102	0.864377	3.790514	1.12264	0.271391	1.407277	5.185433
MPL	1	0	0	0	0	0	0.124571	0.033721	0.051265	0.369165	0.151682	0	0.146081	#DIV/0!
MPLKIP	1	4.630902	2.711699	3.820734	4.006404	4.561263	3.590375	3.425929	4.964629	9.930703	10.83437	3.946201	6.549201	1.659622
MPND	1	3.25886	2.923115	5.374987	4.828881	8.728326	30.77838	13.70556	15.50675	9.827492	15.29262	5.022834	17.02216	3.388956
MPO	1	0.045909	0.009426	0.091148	0.054994	0.022651	0	0.017737	0.064717	0.129454	0.478708	0.044826	0.138123	3.081341
MPP1	1	20.97111	21.41127	26.32488	31.45724	52.48135	9.200958	12.77513	11.82166	10.9761	22.97234	30.52917	13.54924	0.443813
MPP2	1	7.765817	6.901847	9.407027	11.50177	3.760513	6.983569	7.483354	7.213885	7.490469	10.02823	7.867395	7.839902	0.996505
MPP3	1	1.874976	1.651764	2.123897	1.164949	0.27446	0.732874	0.859668	0.140748	0.482636	3.440159	1.418009	1.131217	0.79775
MPP4	1	0.249982	0.355159	0.088056	0.231833	0.61272	0.548615	0.034271	0.27093	6.836762	3.230589	0.30755	2.184233	7.102043
MPP5	1	8.427489	8.627331	16.08933	14.5205	4.762351	6.360455	8.610593	6.03361	12.27611	2.810741	10.4854	7.218302	0.688414
MPP6	1	9.367947	10.68572	0.991849	0.667201	4.493675	6.6481	9.814368	7.402243	6.135287	1.830401	5.241279	6.36608	1.214604
MPP7	0.011368	1.409425	2.11576	1.914447	0.713771	0.450881	6.746328	9.057922	15.82893	14.77977	12.75281	1.320857	11.83315	8.958695
MPPE1	0.024596	8.771151	8.677853	14.05867	14.16061	21.40124	2.337005	2.775148	4.420475	1.698755	3.347511	13.4139	2.915779	0.21737
MPPED1	1	31.49625	31.56589	11.13748	24.06521	78.31516	54.66539	24.43352	1.360415	0.524273	0.425473	35.316	16.28181	0.461032
MPPED2	1	7.732834	8.759799	3.716103	4.621988	4.920921	11.45491	12.35786	5.36789	4.212342	3.625302	5.950329	7.403662	1.244244
MPRIP	1	24.68011	23.20697	27.06154	28.6047	22.20426	13.97464	16.11535	11.96935	9.633405	17.71652	25.15151	13.88185	0.551929
MPST	1	2.689551	2.245544	4.292446	4.598632	6.861891	13.89485	5.275532	3.624021	4.159318	16.0686	4.137613	8.604464	2.079572
MPTX	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MPV17	1	10.22327	7.837648	8.013547	8.284748	27.41505	16.61269	15.4145	18.21739	8.798034	3.691836	12.35485	12.54689	1.015544
MPV17L	1	0.887646	1.002424	0.66618	0.730794	1.117475	0.462938	0.343535	0.32322	0.473073	0.567915	0.880904	0.434136	0.49283
MPV17L2	1	0.629527	0.914051	4.320994	4.488727	13.46326	0.784409	1.528814	0.929701	1.162295	5.556329	4.763311	1.99231	0.418262
MPZ	0.361567	0.038704	0.021854	0.35924	0.069544	0	10.53251	3.063552	2.600703	0.550229	0.498621	0.097868	3.449122	35.24251
MPZL1	1	21.24148	19.16782	17.7666	17.25076	37.79233	13.13991	19.66966	26.35998	12.08582	6.464766	22.64379	15.54403	0.686458
MPZL2	1	10.99129	0.100997	0.410167	0.235688	0.024269	6.178009	0.912193	1.872185	1.155838	0.029733	2.352482	2.029591	0.862745

MPZL3	1	4.983872	6.24438	4.395473	3.527527	7.804306	3.270673	4.96323	12.33301	1.505914	2.518033	5.391111	4.918172	0.912274
MR1	1	0.323282	0.068884	0.079929	0.160749	0.13242	0	0	0	0.063066	0.020279	0.153053	0.016669	0.108911
MRAP	1	0.390252	0	0.142049	0.077913	0.176503	0	0	0	0.168122	0.297334	0.157343	0.093091	0.591643
MRAP2	1	1.286058	1.268722	1.759473	1.877005	2.146112	2.166094	0.408351	0.592161	1.260914	2.383588	1.667474	1.362221	0.816937
MRAS	1	49.95529	40.70127	38.69596	52.96921	48.89644	43.50155	36.43955	21.21428	21.27708	26.30475	46.24363	29.74744	0.643276
MRC1	1	0.692195	0.137947	0.303827	0.211359	0.138117	1.669184	0.605656	0.850623	1.490999	0.265103	0.296689	0.976313	3.290695
MRC2	1	4.001815	1.745261	7.563905	9.134271	2.195616	5.90968	2.436684	1.812752	2.648056	3.555984	4.928174	3.272631	0.664066
MRE11	1	3.187763	2.705152	1.997719	2.528633	1.162261	4.034566	3.003371	3.320738	5.820044	3.427649	2.316305	3.921274	1.6929
MREG	1	2.631428	2.683009	5.122983	4.160867	1.468971	6.137988	11.69454	13.48497	7.384775	8.448671	3.213452	9.430189	2.934598
MRFAP1L1	1	222.9423	215.7963	192.8658	214.2724	307.7371	265.261	204.9852	227.4115	124.5278	255.8412	230.7228	215.6053	0.934478
MRGBP	1	4.09441	3.844824	2.624292	4.051683	6.431027	2.503744	4.161068	5.003337	3.738669	4.919753	4.209247	4.065314	0.965806
MRGPRF	1	0.253796	0.040945	1.266925	0.575467	0.41815	0.569227	0.577825	0.538792	0.562299	0.37669	0.511057	0.524967	1.027218
MRGPRG	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MRGPRX2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MRI1	1	1.839444	1.972558	2.565654	3.110766	4.991647	2.993087	2.266404	2.916282	3.036571	7.631577	2.896014	3.768784	1.30137
MRLN	9.51E-05	0.883259	0	0	0	0	0.486567	0.395133	16.21942	0.720968	3.32293	0.176652	4.229004	23.93976
MRM1	1	2.714772	3.635411	4.276624	4.495946	12.15756	0.85399	1.387023	1.265212	4.064604	4.537517	5.456062	2.421669	0.443849
MRM2	1	4.477143	3.904801	2.685481	5.287605	6.873306	1.870029	3.260565	1.792678	1.955933	4.664669	4.645667	2.708775	0.583076
MRM3	1	3.563194	2.973643	3.148296	4.254402	8.123505	4.076259	5.607683	4.641993	4.507445	4.454491	4.412608	4.657574	1.055515
MRNIP	1	2.278908	2.179977	2.78129	1.702166	7.275537	13.75029	7.805074	7.344811	4.781752	5.704741	3.243576	7.877333	2.428596
MRO	0.186373	6.593682	4.35761	9.559778	7.506563	13.08474	0	0.091834	0.255296	0.159583	0.913408	8.220474	0.284024	0.034551
MROH1	1	5.416469	4.894193	10.12665	10.48497	6.792496	3.716716	3.481088	6.216142	9.088963	16.86934	7.542955	7.87445	1.043948
MROH2A	1	0.107458	0.035231	0	0	0	0	0	0	0.01792	0	0.028538	0.003584	0.125587
MROH2B	1	0.006808	0.076887	0.014869	0	0	0	0	0	0.017598	0.011318	0.019713	0.005783	0.293372
MROH5	2.88E-09	0.248824	0.448401	0.092497	0.17757	0.136482	0	0	0	0.013684	0	0.220755	0.002737	0.012398
MROH6	1	0.096168	0.036201	0.682591	0.220799	0.304464	0.04194	0.017029	0	0	0.59949	0.268045	0.131692	0.491305
MROH7	1	0	0.158638	0.018593	0.040793	0	0	0.018091	0	0.242066	0.014152	0.043605	0.054862	1.258159
MROH8	1	0	0.012102	0.023405	0.006419	0	0	0	0	0.027701	0	0.008385	0.00554	0.660705
MROH9	1	0.006703	0.030277	0	0	0	0	0	0	0	0	0.007396	0	0
MRPL1	1	19.52577	20.60259	6.880566	8.381709	19.58413	22.94204	17.25559	12.87617	40.46484	9.885685	14.99495	20.68486	1.379455
MRPL10	1	6.902375	5.399452	6.685874	7.251942	12.38347	11.58077	6.919409	6.16357	8.1205	20.60373	7.724622	10.6776	1.382281
MRPL11	1	21.96974	19.80657	16.15564	16.52334	56.54967	61.80504	36.87491	30.18659	16.58108	30.01813	26.20099	35.09315	1.339383
MRPL12	1	12.37526	13.88077	14.2826	22.43724	55.74312	25.88796	24.12322	15.34151	14.30349	19.15018	23.7438	19.76127	0.832271
MRPL13	1	22.10347	17.08458	11.73376	14.67842	49.23859	34.03648	26.88937	21.61986	25.82579	15.19874	22.96776	24.71405	1.076032
MRPL14	1	2.126798	2.554391	3.508224	3.674652	8.976273	17.5203	9.623534	8.354816	5.975985	10.99732	4.168068	10.49439	2.517807
MRPL15	1	10.07639	8.4321	7.146068	10.34205	14.01434	21.7039	20.87569	18.88952	25.67881	22.09785	10.00219	21.84915	2.184437
MRPL16	1	12.0315	13.01914	3.631688	5.08872	39.20978	22.88964	18.32106	9.859305	2.167195	5.087202	14.59617	11.66488	0.799174
MRPL17	1	19.95893	20.92793	17.06968	20.57069	57.48179	13.51588	18.63035	11.88569	9.954982	13.78354	27.2018	13.55409	0.498279
MRPL18	1	39.52452	29.57575	19.20557	23.21207	67.83167	79.25356	59.49463	55.69948	32.82768	102.5849	35.86992	65.97204	1.839203
MRPL19	1	23.53322	25.45811	15.00287	18.90301	36.25014	13.55126	14.11198	7.676345	16.85104	14.98969	23.82947	13.43606	0.563842
MRPL2	1	8.423654	9.512881	9.914513	11.01713	24.09095	29.03719	25.61714	19.42394	10.77816	52.6577	12.59183	27.50282	2.184181
MRPL20	1	33.19719	32.62059	23.16577	29.05663	80.68283	48.45109	40.58293	33.22468	40.34036	62.70401	39.7446	45.06062	1.133754
MRPL21	1	21.2435	21.54553	21.04027	17.50526	121.8316	28.18302	12.01853	12.93884	13.29047	16.59973	40.63324	16.60612	0.408683
MRPL22	1	7.739881	7.56026	4.884205	3.651549	9.406715	4.75785	4.163369	3.254303	3.041142	1.592119	6.648522	3.361757	0.50564
MRPL23	1	1.895862	3.178058	1.940854	3.654957	6.672092	0.620104	0.755365	1.07182	0.459418	1.674263	3.468364	0.916194	0.264157
MRPL24	1	28.64536	23.47815	14.69108	19.76643	96.84601	105.847	93.53537	54.37203	43.64398	44.01582	36.68541	68.28284	1.861308

MRPL27	1	19.94054	15.71537	21.49671	22.76855	84.43019	138.8445	81.86035	84.64931	38.74841	47.20628	32.87027	78.26177	2.380928
MRPL28	1	20.00147	17.62545	17.80708	19.6317	54.27743	45.39576	26.07535	17.28697	18.67769	55.62262	25.86863	32.61168	1.260665
MRPL3	1	28.60068	28.37299	10.10294	15.82789	41.90717	35.58899	32.96271	27.09687	17.04093	21.48108	24.96233	26.83412	1.074984
MRPL30	1	12.3839	12.0634	9.985508	10.14352	33.49455	34.6578	10.63063	15.47285	29.99626	24.67614	15.61418	23.08673	1.478575
MRPL32	1	12.66044	9.754632	5.443742	4.848344	18.61801	13.81952	10.17376	8.865701	15.18233	7.138365	10.26503	11.03594	1.0751
MRPL33	1	0	0	0	0	0.227523	0	0.178163	0.216688	0	0	0.045505	0.07897	1.735432
MRPL34	1	19.22933	18.77849	18.8434	21.55205	45.80534	9.293566	4.269096	3.059709	10.57144	13.47801	24.84172	8.134366	0.327448
MRPL35	1	11.29148	11.22848	7.770927	9.29805	29.70695	23.27641	16.52434	14.8692	15.20514	9.20623	13.85918	15.81626	1.141212
MRPL36	0.085685	5.634264	5.948372	8.769089	10.05923	18.86296	1.355676	0.825692	0.223164	0.781187	1.686603	9.854782	0.974464	0.098882
MRPL37	1	18.81971	17.94975	10.85487	14.31095	35.7915	52.36076	35.78281	34.99026	19.33778	18.63308	19.54536	32.22094	1.648521
MRPL38	1	6.451656	8.3973	13.9409	16.24274	34.7557	20.38694	7.638949	14.13046	6.712943	12.83796	15.95766	12.34145	0.773387
MRPL39	1	12.97937	13.37882	8.332708	9.224393	18.4855	30.17888	40.24161	26.83555	21.16534	13.17731	12.48016	26.31974	2.108927
MRPL4	1	14.51032	13.92793	10.50237	14.25797	32.2671	1.565072	3.812907	1.85496	4.638074	10.93697	17.09314	4.561597	0.266867
MRPL40	1	13.42309	15.22337	10.91003	15.05163	42.22086	12.87204	7.049813	5.321946	11.33542	25.4832	19.36579	12.41248	0.640949
MRPL41	1	14.15158	14.06237	12.41379	21.93594	25.52232	16.25331	7.720194	8.178029	6.967483	8.182488	17.6172	9.4603	0.536992
MRPL42	1	5.088192	6.823524	4.067937	4.778134	9.418811	12.45818	9.267559	8.218839	6.857858	5.074964	6.035319	8.37548	1.387744
MRPL43	1	10.60682	11.95636	10.15854	13.52181	51.17639	8.555509	9.181005	6.186724	13.07953	33.77593	19.48399	14.15574	0.726532
MRPL44	1	11.23342	9.88042	5.720518	6.615009	21.28738	25.64917	24.61641	23.79798	11.58663	19.72858	10.94735	21.07576	1.925192
MRPL45	1	12.44765	10.46054	13.4864	11.08129	19.2315	32.44409	26.60562	24.75601	19.66944	27.8657	13.34148	26.26817	1.96891
MRPL46	1	14.53147	14.48235	11.06208	12.06684	27.90212	39.51316	29.30649	26.08311	11.96467	13.33949	16.00897	24.04138	1.501744
MRPL47	1	3.663679	4.309996	1.905916	2.0426	6.755336	6.987392	5.648708	3.835239	4.490689	2.486911	3.735505	4.689788	1.255463
MRPL48	1	11.62626	11.02821	8.8523	8.173055	23.99511	20.15553	18.60554	18.22975	21.92363	28.31868	12.73499	21.44663	1.684071
MRPL49	1	16.14883	13.73694	14.49669	19.39483	31.30187	6.146336	6.907656	5.555731	5.204173	4.148733	19.01583	5.592526	0.294098
MRPL50	1	5.66883	4.606204	3.120289	4.4995	14.0076	15.19521	14.44538	10.83919	6.55211	8.580736	6.380484	11.12253	1.74321
MRPL51	1	23.20814	26.96844	14.99051	15.11264	31.95935	15.33005	9.096461	10.46125	6.745732	5.544582	22.44781	9.435613	0.420335
MRPL52	1	8.920047	7.496072	7.077094	8.723521	21.22759	16.59383	10.81007	9.005216	8.736331	12.48224	10.68887	11.52554	1.078275
MRPL53	1	7.724551	7.035691	7.940541	8.943202	16.13399	4.062825	3.87674	3.661677	6.321074	6.71076	9.555594	4.926615	0.515574
MRPL54	1	10.4928	9.936123	8.337092	9.292446	38.11306	13.62123	6.918906	6.225541	6.33198	18.2909	15.2343	10.27771	0.674643
MRPL55	1	20.13281	18.05271	11.89006	15.93208	61.92165	109.9509	57.37807	22.94701	15.86691	32.64747	25.58586	47.75806	1.86658
MRPL57	1	2.250754	4.916904	5.23789	5.922721	3.254159	0.193097	0.117608	0	1.144484	7.084323	4.316486	1.707902	0.39567
MRPL58	1	9.452629	11.33039	11.22753	13.11113	35.7206	14.10292	8.149071	17.89374	8.894591	26.39579	16.16845	15.08722	0.933127
MRPL9	1	41.80675	34.33204	29.09252	29.56863	64.92818	18.17627	15.6718	11.89442	12.9306	17.51081	39.94563	15.23678	0.381438
MRPS10	1	19.56635	17.91203	12.67058	15.1	23.71121	7.115637	16.47215	14.82604	11.20166	8.347569	17.79203	11.59261	0.651562
MRPS11	1	7.549177	7.21534	7.720792	8.579929	21.4853	20.23546	12.36379	11.8966	14.56355	31.34252	10.51011	18.08038	1.720285
MRPS12	1	3.463027	3.819867	5.698719	7.795017	9.178969	0.758644	0.684536	0.291395	5.412413	7.390004	5.99112	2.907398	0.485285
MRPS14	1	13.27614	13.92903	11.18637	10.8256	61.90906	98.74866	46.28877	33.93103	27.39226	14.33775	22.22524	44.1397	1.986017
MRPS15	1	25.33151	24.24219	16.88224	18.2371	81.69194	88.50533	30.6543	23.58906	20.07472	31.00894	33.277	38.76647	1.164963
MRPS16	1	10.37891	7.193817	10.31414	9.242394	45.89843	37.50406	24.50517	21.28865	17.60118	31.44831	16.60554	26.46947	1.594015
MRPS17	1	4.00456	2.661903	4.538961	3.704042	18.36396	9.550106	7.701626	8.122438	9.564907	5.603606	6.654684	8.108536	1.21847
MRPS18A	1	2.147147	2.135978	2.158468	2.236986	5.992921	3.345923	2.026555	2.327076	1.487342	1.815636	2.9343	2.200507	0.749926
MRPS18B	1	10.40064	10.31699	5.371692	6.460929	9.201376	17.83684	12.35705	9.489679	6.266824	8.177385	8.350326	10.82556	1.296423
MRPS18C	1	8.320643	7.114531	5.148722	5.054818	23.17086	9.745708	12.54505	7.833683	14.64549	6.224258	9.761914	10.19884	1.044758
MRPS2	1	6.417587	5.496467	13.1913	17.68468	13.71998	6.491284	4.154143	2.473946	1.11518	3.877298	11.302	3.62237	0.320507
MRPS21	1	16.78841	18.07379	8.179167	8.640985	30.91451	47.45365	21.38511	14.37548	10.44341	6.73164	16.51937	20.07786	1.215413
MRPS22	1	16.8207	18.33351	11.08659	10.41588	21.00436	22.88383	29.2638	17.66597	13.85768	15.40117	15.53221	19.81449	1.275703
MRPS23	1	27.56599	26.74833	19.32192	21.4377	59.7682	41.42654	37.59967	24.58997	20.54143	19.3771	30.96843	28.70694	0.926974

MRPS24	1	7.060481	5.134897	10.73219	11.87462	44.22088	14.92772	9.121926	6.350099	7.738028	10.23456	15.80461	9.674467	0.612129
MRPS25	1	10.00753	12.54382	16.05511	15.16974	28.97732	62.34172	31.64168	24.54642	14.84095	25.73427	16.5507	31.82101	1.922638
MRPS26	1	21.32227	14.52224	20.4806	25.75492	40.06866	13.43293	4.968302	4.926061	14.05774	28.98103	24.42974	13.27321	0.543322
MRPS27	1	12.4522	10.86311	9.099505	9.811935	14.56147	11.64571	14.13563	29.93864	5.017695	5.037191	11.35764	13.15497	1.158248
MRPS28	1	8.425068	7.457964	3.977087	4.57309	6.787413	9.300475	12.35483	7.99518	10.54837	23.59743	6.244124	12.75926	2.043402
MRPS30	1	7.159787	6.753305	7.344508	7.878186	7.837959	7.238428	9.883458	4.661061	8.271958	4.327983	7.394749	6.876578	0.929927
MRPS31	1	11.27439	11.54014	4.866932	5.093111	13.84533	15.1151	20.74864	17.16453	10.15621	14.76922	9.323981	15.59074	1.672112
MRPS33	1	55.35221	46.38624	26.81391	29.34749	141.3839	25.72075	21.04623	26.22507	15.16735	20.68913	59.85674	21.76971	0.363697
MRPS34	1	14.98416	13.94531	19.28067	22.80659	36.21075	19.09787	14.76494	10.24111	6.669603	18.93426	21.4455	13.94156	0.650093
MRPS35	1	7.660776	6.539662	3.44571	3.723917	7.754185	9.541191	11.27469	9.997583	10.11987	7.809879	5.82485	9.748643	1.67363
MRPS36	1	27.95192	29.13809	33.8292	25.07315	50.01252	67.05528	66.76269	47.17724	53.5358	36.6909	33.20097	54.24438	1.633819
MRPS5	1	22.23646	22.80514	14.98148	14.91113	25.48257	3.495826	7.588606	9.627944	18.39537	15.41786	20.08336	10.90512	0.542993
MRPS6	1	20.6146	19.57273	15.92223	16.86427	41.85562	18.806	14.58072	13.37665	16.20721	21.68198	22.96589	16.93051	0.737202
MRPS7	1	9.709732	9.245579	11.19288	12.98461	27.77089	60.06873	62.97668	32.4998	32.75847	33.91476	14.18074	44.44369	3.134089
MRPS9	1	5.690836	6.230605	4.452753	6.300374	7.736729	3.312369	8.200687	5.138989	4.372396	4.087569	6.082259	5.022402	0.825746
MRRF	1	3.604999	3.296315	2.907996	3.963182	5.459423	4.229667	4.546842	2.93032	2.945776	1.623831	3.846383	3.255287	0.846324
MRS2	1	10.44584	13.0291	7.881774	7.412828	6.049316	5.172974	9.222259	6.359984	6.760129	2.798511	8.963771	6.062771	0.676364
MRTO4	1	8.960322	7.510968	6.556621	7.897985	8.178236	6.767961	5.925536	5.461098	1.641552	4.19403	7.820826	4.798035	0.613495
MRVI1	1	5.67749	4.117957	18.43271	19.56001	9.180943	5.466806	2.390502	1.954988	1.117298	0.456003	11.39382	2.277119	0.199856
MS4A1	4.28E-06	1.516069	1.338555	1.484949	1.089654	0.797889	0	0.058574	0	0	0.015274	1.245423	0.01477	0.011859
MS4A10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MS4A13	1	0	1.015659	0.28885	0.506986	0	0	0	0	0	0	0.362299	0	0
MS4A14	1	0.024941	0.225332	0	0.022408	0	0	0	0	0	0	0.054536	0	0
MS4A15	1	0.057453	0.028837	0.027884	0.030588	0.034647	0	0	0	0.033001	0	0.035882	0.0066	0.183946
MS4A18	1	0.017249	0.025972	0.031392	0.006887	0	0	0	0	0	0	0.0163	0	0
MS4A2	1	0.122608	0	0	0.010491	0	0	0.037219	0	0	0	0.02662	0.007444	0.279637
MS4A3	1	0.021391	0	0	0	0	0	0	0	0	0	0.004278	0	0
MS4A5	1	0	0.034017	0.065785	0.036083	0	0	0	0	0	0	0.027177	0	0
MS4A7	4.44E-10	0.875792	1.404189	1.912696	1.554231	2.435294	0	0	0	0	0	1.636441	0	0
MS4A8	1	1.256376	0.117017	0.480886	0.341341	0.070297	0	0	0	0	0	0.453183	0	0
M-SAA3.2	1	0	0.413658	0.654522	0.159557	1.174728	0.348534	0	0	0.86073	0	0.480493	0.241853	0.503343
MSANTD1	1.27E-05	1.081555	1.156743	2.16755	4.435483	1.778255	0.299654	0.797628	0.032885	0	0.126911	2.123917	0.251416	0.118374
MSANTD2	1	2.589138	2.885265	2.308563	2.686269	2.328474	1.847701	2.864567	5.115388	3.396005	2.23026	2.559542	3.090784	1.207554
MSANTD3	1	4.620874	5.42182	4.621249	4.596779	4.873037	5.925922	4.040667	4.07933	3.444283	4.510942	4.826752	4.400229	0.911634
MSANTD4	1	11.40288	9.804265	6.589529	5.326022	7.15273	11.41065	17.77068	22.02533	9.270525	11.98079	8.055085	14.4916	1.799062
MSC	1	0.434433	0.113217	0.583868	0.640498	0.408084	0.174887	0.213034	0.086367	0.259138	0	0.43602	0.146685	0.336419
MSGN1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MSH2	1	14.98042	12.6391	9.384957	11.0265	8.624119	13.09234	22.803	17.72616	10.42685	9.660518	11.33102	14.74177	1.30101
MSH3	1	9.264111	9.76121	7.008755	8.35758	4.402464	4.500255	6.960662	5.934091	9.120123	6.034754	7.758824	6.509977	0.839042
MSH4	0.027273	0.407821	0.615397	0.299448	0.231629	0.400699	0.036798	0.074707	0.408876	0.418023	0.16364	0.390999	0.220409	0.563706
MSH5	1	0.187664	0.065209	0.199671	0.109519	0.130579	4.960912	3.036844	6.491647	5.671689	3.463566	0.138529	4.724932	34.10796
MSH6	1	9.896906	8.62636	7.622998	7.54294	5.473724	10.73969	14.19111	36.07211	15.89081	14.61505	7.832586	18.30175	2.336617
MSI1	1	3.023142	2.74532	6.194027	5.002763	4.719307	4.82788	3.311353	6.137744	10.79498	11.24255	4.336912	7.262901	1.674671
MSI2	1	13.56597	11.08259	14.07544	12.692	8.972414	12.37208	10.92858	24.56959	34.39624	16.77188	12.07768	19.80767	1.640023
MSL1	1	26.35992	20.94304	18.67463	18.23569	19.30915	36.49304	28.39123	49.53641	35.79668	27.15114	20.70449	35.4737	1.713334
MSL2	1	4.36061	4.478246	3.910425	3.419825	4.694666	4.93668	5.461312	7.001044	8.85149	6.331595	4.172754	6.516424	1.56166

MSL3	1	18.48415	14.37659	11.26972	11.97266	16.12423	16.51365	15.7942	19.37784	15.30249	6.003401	14.44547	14.59831	1.010581
MSLN	3.12E-14	3.484295	3.890121	8.099575	10.19739	6.59001	0	0	0	0	0	6.452279	0	0
MSMB	1	0.069991	0	0	0	0.126621	0	0.049576	0	0.120609	0.116348	0.039322	0.057307	1.45735
MSMO1	1	23.69656	24.4027	17.18181	15.23405	34.21408	10.06893	32.16523	11.06564	15.86148	8.371394	22.94584	15.50653	0.675789
MSMP	1	0	0	0.156852	0.086033	0	0	0	0	0	0	0.048577	0	0
MSN	0.919235	10.38751	4.81423	13.15845	13.41906	7.42947	52.65083	29.86338	48.95433	21.18112	28.47209	9.841744	36.22435	3.680684
MSR1	1	0.752152	0.607953	0.483629	0.288136	0.372991	0.239772	0.105471	0.305892	0.355281	0.088856	0.500972	0.219054	0.437258
MSRA	1	13.20916	14.92788	12.41676	13.07625	30.05966	40.11795	27.24324	22.28541	33.45747	54.06022	16.73794	35.43286	2.116919
MSRB1	1	6.54759	8.760046	13.05491	11.44025	31.12231	15.13219	10.19127	15.05364	4.599395	21.51436	14.18502	13.29817	0.93748
MSRB2	1	11.12611	10.88469	4.91534	7.448394	17.80502	8.983533	4.404247	7.887033	2.432189	7.18675	10.43591	6.178751	0.592066
MSRB3	1	1.951371	1.611873	2.205299	1.541344	1.491493	4.303379	4.20994	1.860921	3.414021	1.643163	1.760276	3.086285	1.753296
MSS51	1	1.306104	1.369029	1.63116	1.016074	2.403631	3.614052	1.722666	7.11	3.705887	5.409236	1.5452	4.312368	2.790816
MST1	1	0.334378	0.220275	0.42599	0.709305	2.816693	0.255195	0	0.72015	0.468166	0.416885	0.901328	0.372079	0.412812
MST1R	1	0.080654	0.026024	0.088073	0.120769	0.093801	0.060298	0	0.044667	0.014891	0.019153	0.081864	0.027802	0.339612
MSTN	1	0.128915	0.22987	0.059273	0.21132	0.147298	0.213049	0.547876	0.806631	2.45532	0.383484	0.155335	0.881272	5.673352
MSTO1	1	2.356459	2.729691	4.373348	3.99794	7.959014	11.59114	6.726622	7.475445	12.18204	21.67081	4.283291	11.92921	2.785058
MSX1	1	2.774562	0.113117	0.831272	0.767915	0.625172	0.262097	0	0.232983	0.517815	0.333014	1.022408	0.269182	0.263282
MSX2	1	0.677399	0.076499	1.072574	0.365153	0	0.974889	0.35986	6.302515	2.976621	1.660943	0.438325	2.454965	5.600787
MT1A	1	3.277922	0.242739	12.85073	10.07399	29.96662	1.827932	16.84261	6.735619	1.666787	7.369549	11.2824	6.8885	0.610553
MT1E_1	1	0.465161	0.196991	0.19048	2.577113	4.812497	12.32385	1.482666	0.751364	6.76326	13.72524	1.648448	7.009276	4.252044
MT1E_2	1	5.03405	1.749225	12.79129	30.38322	29.55452	242.6765	121.5767	60.29735	34.78237	98.9709	15.90246	111.6608	7.021601
MT2A	1	101.6403	57.61876	57.13041	73.11688	272.2994	194.4669	93.02464	42.06637	70.27493	179.3668	112.3612	115.8399	1.030961
MT3	1	417.9346	250.0101	372.1925	612.7836	1316.751	1821.191	576.7839	184.8421	110.4993	490.4189	593.9344	636.747	1.072083
MT4	1	0	0.053831	0	0	0	0	0	0	0	0.158478	0.010766	0.031696	2.943992
MTA1	1	15.39328	12.60932	18.17046	15.93979	5.736335	38.15162	24.64763	31.37818	13.58985	21.21885	13.56983	25.79722	1.901071
MTA2	1	8.111112	7.037025	12.06299	14.69948	16.62625	21.74023	19.7138	22.22227	17.7864	17.11945	11.70737	19.71643	1.684104
MTA3	1	5.94431	4.960556	3.679042	4.798936	3.858637	5.766689	4.278881	2.465527	2.091321	1.896993	4.648296	3.299882	0.709912
MTAP	1	1.370614	1.126594	0.871487	1.226192	1.177024	6.446505	3.871025	2.44372	2.152581	1.18247	1.154382	3.21926	2.78873
MTBP	1	1.222625	0.71433	0.78807	0.833994	0.633608	0.222167	0.586358	0.77898	1.53624	0.684527	0.838525	0.761654	0.908326
MTCH1	1	157.7179	130.2389	120.2072	153.4146	229.9191	319.5916	208.943	117.2618	112.0611	196.3996	158.2995	190.8514	1.205635
MTCH2	1	28.1254	29.54963	23.56706	19.83887	35.63821	34.965	50.08881	125.4	51.86856	28.981	27.34383	58.26068	2.13067
MTCL1	1	3.920989	4.65645	7.991533	3.446077	5.005288	1.821562	2.541294	13.47042	13.6108	24.89002	5.004067	11.26682	2.251532
MTCP1	1	0.64916	0.429749	0.439989	0.509479	0.24298	0.234294	0.190267	0.462819	0.347165	0.446533	0.454271	0.336215	0.74012
MTDH	1	24.64595	25.30108	18.164	18.46064	11.12861	13.25347	23.12194	22.76665	27.18113	20.82934	19.54006	21.43051	1.096747
MTERF1	1	3.786049	3.70357	2.737284	2.98722	4.141358	0.611742	1.752548	2.01403	3.390777	2.515311	3.471096	2.056882	0.592574
MTERF2	1	3.243533	3.205073	2.573862	2.584784	2.68532	0.611369	1.452941	3.569763	4.387362	2.238982	2.858514	2.452083	0.857817
MTERF3	1	9.300148	9.215364	6.630706	9.072009	17.8868	7.855832	11.8718	7.934115	7.526837	7.14835	10.42101	8.467386	0.812531
MTERF4	1	9.349839	7.978072	6.510991	7.309256	8.81423	3.338949	3.968657	9.923482	3.358283	6.787814	7.992478	5.475437	0.685074
MTF1	1	2.596812	3.140417	4.119533	3.612827	0.624233	1.337595	2.596111	3.514191	2.140533	1.99693	2.818764	2.317072	0.822017
MTF2	1	3.180306	3.340854	2.904126	1.999437	2.340029	3.51861	6.186509	9.609433	7.359844	5.332855	2.75295	6.40145	2.325305
MTFMT	1	5.627628	6.834959	4.000216	4.658493	8.031961	15.42021	13.05837	11.25124	14.27194	9.597695	5.830651	12.71989	2.181556
MTFP1	1	3.182534	3.516405	5.792108	7.095185	18.33892	7.967787	5.239024	5.102595	2.94521	10.17265	7.58503	6.285454	0.828666
MTFR1	1	11.10255	9.852546	4.081871	5.05421	10.97652	9.70821	9.78075	9.931119	12.94298	8.265846	8.21354	10.12578	1.232816
MTFR1L	1	11.55635	10.9728	9.829666	11.62766	16.07977	21.15346	18.42006	19.9694	10.23581	13.01305	12.01325	16.55836	1.378341
MTFR2	1	0.085757	0.069176	0	0.044026	0.066491	0.064114	0.130164	0.174142	0.031667	0.010183	0.05309	0.082054	1.54556
MTG1	1	6.569097	4.422579	4.935493	9.550508	17.78828	17.85024	6.144346	10.23001	12.04559	16.56671	8.653191	12.56738	1.45234

MTG2	1	1.839785	2.169864	1.878733	2.233954	3.782768	2.530278	2.828681	1.979823	2.109954	3.392353	2.381021	2.568218	1.07862
MTHFD1	1	17.46126	15.59419	11.16316	12.84619	10.28973	47.11808	63.56005	99.88232	25.50313	25.27781	13.47091	52.26828	3.880086
MTHFD1L	1	5.211746	7.320612	6.215678	5.129381	6.153381	11.92089	10.86616	4.218384	6.488712	5.383662	6.00616	7.77556	1.294598
MTHFD2	1	0.697282	1.032714	1.173332	0.93112	0.806509	8.793741	6.072493	7.533305	1.831894	0.60806	0.928191	4.967898	5.352236
MTHFD2L	1	1.765184	1.612825	1.288098	1.302009	2.240728	1.212597	2.264879	2.373555	0.914714	1.281578	1.641769	1.609465	0.980324
MTHFR	1	3.653194	3.358608	3.89712	4.68986	8.648775	8.757743	7.112019	5.380377	3.052001	2.567854	4.849511	5.373999	1.108153
MTHFS	3.66E-07	9.123413	11.12737	10.76932	13.50916	18.74358	1.211113	0.794386	0.805135	1.380432	0.621443	12.65457	0.962502	0.07606
MTHFSD	1	1.776393	1.996233	1.830167	2.12793	3.84933	3.563257	3.969511	6.181475	5.663416	2.684507	2.316011	4.412433	1.905187
MTIF2	1	3.319573	2.840958	2.315703	2.009002	3.291106	12.36742	9.793027	9.600159	6.377153	16.73904	2.755269	10.97536	3.983408
MTIF3	1	5.541899	6.982862	4.762869	5.447653	8.476783	4.128839	2.344347	3.414908	2.155353	3.646609	6.242413	3.138011	0.502692
MTM1	1	3.618889	3.510087	4.845248	5.979599	3.174144	3.391172	6.581389	7.947762	8.147641	6.453978	4.225593	6.504388	1.539284
MTMR1	1	7.431545	7.849052	6.394918	8.222437	6.824918	7.103617	8.276874	14.41947	10.34973	8.323848	7.344574	9.694708	1.319982
MTMR10	1	15.52689	13.11479	26.13206	23.37223	15.14005	6.402702	6.097877	8.47596	10.72895	5.803188	18.65721	7.501735	0.402082
MTMR11	1	0.692526	0.2568	1.58017	0.761473	1.192085	0.622066	0.406332	1.6028	1.576316	0.902066	0.896611	1.021916	1.139754
MTMR12	1	14.26144	13.68374	9.554641	6.836283	6.985446	5.969147	17.8293	11.63986	21.56666	11.52572	10.26431	13.70614	1.33532
MTMR14	1	5.577604	5.136504	7.424558	7.702576	8.802171	20.45709	10.46036	14.67025	10.4534	6.904194	6.928683	12.58906	1.816948
MTMR2	1	5.475164	6.306932	5.622893	4.968686	3.971727	6.341565	7.913691	6.286448	8.286147	5.900247	5.26908	6.94562	1.318184
MTMR3	1	6.516119	6.517139	10.22985	11.09157	8.350865	8.421596	9.67461	12.06735	9.445384	6.506586	8.541108	9.223104	1.079849
MTMR4	1	15.94488	15.10134	20.20696	20.54713	17.39837	10.07115	18.53641	29.9723	19.66155	16.97595	17.83974	19.04347	1.067475
MTMR6	1	20.5063	24.49511	19.62632	22.59882	18.13216	10.37973	17.3257	9.421269	19.28253	10.1583	21.07174	13.31351	0.631818
MTMR7	1	9.735908	11.96425	11.94987	10.17445	9.336979	24.58076	13.48077	8.603746	11.87021	13.2143	10.63229	14.34996	1.349658
MTMR9_1	1	1.082583	1.222567	5.805247	6.843038	4.957494	5.260832	3.594428	5.720653	4.397299	12.93473	3.982186	6.381588	1.602534
MTMR9_2	1	8.792063	12.26334	7.677639	6.22306	2.546411	4.341402	15.21491	8.821917	7.663178	6.793365	7.500503	8.566954	1.142184
MTNR1A	1	0.012148	0	0	0.029104	0	0	0	0	0	0.020194	0.00825	0.004039	0.489528
MTNR1B	1	0	0.075011	0	0	0	0	0	0	0	0	0.015002	0	0
MTO1	1	2.742409	3.207212	3.364783	2.085494	1.672359	3.897058	7.879104	10.9234	5.761172	2.748939	2.614452	6.241934	2.387474
MTOR	1	11.78984	10.93608	15.64987	16.65601	7.125984	11.16789	21.32973	17.43781	11.95782	14.15378	12.43156	15.20941	1.223452
MTPAP	1	4.07138	4.909299	3.56243	3.332147	4.982466	3.972699	4.035495	2.959807	3.883614	2.611135	4.171544	3.49255	0.837232
MTPN	1	73.92414	63.32531	48.22776	57.4861	22.82135	92.15744	88.69205	38.47311	45.59089	38.21001	53.15693	60.6247	1.140485
MTR	1	4.676733	5.782524	4.587481	4.972577	3.785641	0.909963	0.437434	0.346074	1.994087	0.375425	4.760991	0.812597	0.170678
MTREX	1	12.08016	13.05601	11.13016	8.127238	5.748161	8.862797	16.72321	18.56427	21.81958	12.46363	10.02835	15.6867	1.564236
MTRF1	1	2.916921	3.04642	2.139447	2.259383	2.162398	11.4776	4.691454	2.569554	3.628133	8.38531	2.504914	6.15041	2.455338
MTRF1L	1	7.946605	9.5467	7.871164	6.244905	16.30047	13.78549	10.60946	12.59029	6.26757	8.721105	9.581969	10.39478	1.084827
MTRR	1	4.367412	5.017574	5.452006	3.91471	3.626681	2.085025	3.740075	5.448156	4.171444	2.162939	4.475677	3.521528	0.786815
MTSS1	1	13.68399	11.57658	20.94958	17.47815	11.78509	15.68455	13.54845	51.2598	45.74086	47.35109	15.09468	34.71695	2.299946
MTSS1L	0.355568	60.79959	48.09955	117.0734	107.8828	80.70284	25.66335	14.25241	22.25047	25.90303	44.2827	82.91164	26.47039	0.31926
MTTP	1	0.151793	0.083113	0.120549	0.06061	0.074894	1.155462	0.322552	0.011888	1.7121	3.960815	0.098192	1.432563	14.58946
MTURN	1	127.7413	130.3917	103.8834	131.2179	178.2586	82.97134	50.51051	42.28872	36.86165	47.82421	134.2986	52.09129	0.387877
MTUS1	1	4.268098	5.510067	12.33769	11.02467	7.614313	5.351589	5.988914	15.33334	11.45937	5.680149	8.150969	8.762672	1.075047
MTUS2	1	6.722203	6.739297	7.654034	6.091237	5.563345	5.463811	4.941283	9.094381	1.913594	1.53438	6.554023	4.58949	0.700255
MTX1	1	7.821079	7.399064	8.765214	11.34121	18.89666	22.88864	19.89954	13.6084	8.866699	17.73415	10.84464	16.59949	1.530662
MTX2	1	11.70944	14.24387	10.31337	11.57344	23.21055	28.62224	39.90842	25.77906	20.42696	14.53867	14.21014	25.85507	1.819481
MTX3	1	5.73889	13.60534	7.058584	5.522001	1.20877	4.879087	7.396156	4.84578	19.76081	5.975384	6.626717	8.571443	1.293467
MUC1	1	0.048384	0.018213	0.035223	0.057958	0.043766	0.084402	0.051406	0.208408	0.250125	0.227884	0.040709	0.164445	4.039558
MUC13	1	0.011868	0.040207	0.025919	0.028433	0	0.527921	0.504372	0.214703	0.030676	0.256468	0.021285	0.306828	14.41496
MUC15	1	0	0	0	0	0	0	0	0	0.059565	0	0	0.011913	#DIV/0!

MUC16	1	0.006658	0.030074	0	0.000997	0	0	0	0	0.111855	0.055335	0.007546	0.033438	4.431475
MUC19	1	0	0.010605	0.026368	0.014463	0.014561	0	0	0	0	0	0.013199	0	0
MUC2	1	0.002345	0.001324	0.012803	0.007023	0	0	0	0.00606	0.012123	0.005847	0.004699	0.004806	1.022785
MUC20	1	0.007796	0.008804	0.051079	0.012452	0.007052	0	0	0.05373	0	0.00864	0.017437	0.012474	0.715382
MUC21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MUC3A	1	0.06095	0.090246	1.905002	0.705785	0.080862	0.205561	0.336744	0.696602	0.161047	0.252174	0.568569	0.330426	0.581153
MUC4	1	0.026711	0.007541	0.065627	0	0.018121	0	0	0	0.017261	0.0111	0.0236	0.005672	0.240349
MUC5AC	1	0.003402	0.003842	0	0.002038	0	0	0.003615	0	0.008794	0.08483	0.001856	0.019448	10.47641
MUC6	1	0	0.007599	0.657649	0.701284	0	0	0	0	0.078271	0.002796	0.273306	0.016213	0.059323
MUC7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MUCL1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MUCL3	1	0	0	0	0	0	0	0	0	0.07852	0	0	0.015704	#DIV/0!
MUL1	1	4.563506	4.908601	7.546803	10.57123	8.515214	2.919401	5.334294	4.405275	3.885216	6.916332	7.22107	4.692104	0.64978
MUM1	1	14.53295	13.67175	15.80535	16.72233	13.63528	4.79378	4.507626	8.915729	5.150829	8.15676	14.87353	6.304945	0.423904
MUM1L1	1	11.0238	12.94336	6.089746	5.578847	5.89646	1.164302	2.158916	4.389034	2.434447	1.183466	8.306443	2.266033	0.272804
MUS81	1	2.920246	3.40452	4.968076	5.110497	6.343942	11.74001	4.131342	10.27316	4.760927	6.097469	4.549456	7.40058	1.626696
MUSK	1.55E-16	2.641135	5.108921	15.53476	27.31395	5.06446	0.061815	0.03012	0.018316	0.134339	0.023562	11.13264	0.05363	0.004817
MUSTN1	1	2.203344	0.78992	8.24917	9.174958	7.592571	7.687212	1.486347	2.350076	0.723206	1.627863	5.601993	2.774941	0.495349
MUT	1	19.15942	18.65194	18.21676	18.08233	15.04805	19.87973	34.46124	39.47584	22.83065	31.72791	17.8317	29.67507	1.664175
MUTYH	1	0.858059	0.82747	1.621297	2.171217	4.264536	10.54511	6.002653	10.83885	4.585376	11.61939	1.948516	8.718276	4.474316
MVB12A	1	7.771399	6.548198	15.13046	16.85057	24.19516	12.76858	6.208688	4.787641	4.515831	10.26482	14.09916	7.709112	0.546778
MVB12B	1	5.339099	5.660745	13.56004	17.40975	5.798259	8.188264	4.568099	3.118861	2.2956	2.88319	9.553579	4.210803	0.440757
MVD	1	6.543892	6.367918	7.214987	8.782157	16.57902	1.657845	2.808014	1.75439	3.836824	15.30161	9.097595	5.071736	0.557481
MVK	1	1.768665	1.670946	2.960898	2.588573	5.901423	12.53342	3.480471	5.122381	7.293339	11.93205	2.978101	8.072331	2.710563
MVP	1	6.057695	3.584465	11.26816	10.88876	5.919359	5.548717	1.980353	4.258648	20.94722	10.09236	7.543688	8.56546	1.135447
MX1	1	8.73651	1.371945	3.605306	3.056763	1.845534	2.829045	0.839917	0.105158	6.52077	14.85152	3.723212	5.029283	1.350792
MX2	1	0.618193	0.201572	0.465883	0.23989	0.153581	0.273398	0.027753	0.022503	3.735976	0.890142	0.335824	0.989954	2.947838
MXD1	1	5.194628	4.9826	5.393319	4.526821	2.379653	2.263718	5.088825	9.410866	3.984445	2.993886	4.495404	4.748348	1.056267
MXD3	1	0.037208	0	0.203154	0.100286	0.100971	0.292085	0.059299	0.096163	0.096177	0.154631	0.088324	0.139671	1.581352
MXD4	1	2.455017	2.752662	8.616955	5.776669	0.666211	7.433433	3.09281	6.526133	10.33455	38.56599	4.053503	13.19058	3.25412
MXI1	1	15.98	13.03627	19.58534	20.20282	19.1238	26.72451	17.33439	49.06809	50.1612	28.74244	17.58565	34.40612	1.956489
MXRA5	1	1.117733	0.646831	4.780964	3.366187	0.679066	0.795449	0.421457	0.196414	0.613283	0.178717	2.118156	0.441064	0.20823
MXRA7	1	28.6091	16.92034	20.32473	16.9339	37.33877	15.7489	16.81846	6.413805	21.07271	39.21066	24.02537	19.85291	0.826331
MXRA8	1	8.686678	3.72457	9.494777	9.178581	9.831412	2.484404	1.610495	2.475336	3.875003	8.306897	8.183203	3.750427	0.458308
MYADM	1	14.47923	13.0843	17.79401	23.39078	34.47641	7.841239	7.95234	6.584767	7.353167	9.205335	20.64495	7.78737	0.377205
MYADML2	1	0.748362	0.770758	0	0	0.536133	0	0.407099	0.309456	0.03095	0.069665	0.41105	0.163434	0.397601
MYB	1	0.343803	0.168052	0.190515	0.227434	0.083549	0.134271	0.468869	0.026524	0.026527	0	0.202671	0.131238	0.647545
MYBBP1A	1	9.376499	9.941184	11.38725	14.32397	8.982402	8.442425	12.78932	12.40476	8.7927	14.93797	10.80226	11.47343	1.062133
MYBL1	1	0.884362	1.105448	1.083655	1.605231	0.622866	1.183536	3.041188	1.238751	1.430879	0.196388	1.060313	1.418149	1.337482
MYBL2	1	4.300566	2.851073	5.475654	4.171354	7.669969	1.032676	1.923892	3.689857	0.900096	3.058334	4.893723	2.120971	0.433406
MYBPC1	0.520683	0.269968	0.036403	0.1232	0.130322	0.087475	0.948915	0.299677	0.208273	34.97419	26.79261	0.129474	12.64473	97.66267
MYBPC2	1	1.243897	0.569639	0.87702	0.615968	1.116316	0.615092	0.176908	0.265789	0.708874	3.394727	0.884568	1.032278	1.166986
MYBPC3	1	0.458948	0.010163	0.02948	0.043119	0.097681	0	0	0	9.816035	1.346338	0.127878	2.232475	17.45781
MYBPH	1	0.080711	0.070114	5.694882	4.090455	0.202176	0.552354	0	0.016046	0.224672	0.485072	2.027667	0.255629	0.12607
MYBPHL	1	0.448458	0.276243	0.534226	0.325579	1.290723	0.142238	0.086632	0	0	0.225905	0.575046	0.090955	0.15817
MYC	1	2.460135	2.019276	0.781014	1.351623	3.496951	2.936333	3.406497	4.812381	4.143712	2.593133	2.0218	3.578411	1.769914

MYCBP	1	2.914911	1.916759	3.545649	2.386768	4.305503	10.42725	7.605338	5.912305	7.629891	3.434823	3.013918	7.001922	2.323196
MYCBP2	1	16.53423	17.08806	22.27222	17.16891	5.160296	6.693323	18.15034	19.12832	17.78676	13.95365	15.64474	15.14248	0.967896
MYCBPAP	1	0.421243	0.222411	0.489859	0.393198	0.638363	7.987747	3.987355	3.760891	1.018134	1.045823	0.433015	3.55999	8.221403
MYCL	1	2.077488	1.885769	0.654294	1.712022	2.465625	2.313228	1.054067	0.533107	0.279287	0.587826	1.75904	0.953503	0.542059
MYCN	1	2.064914	2.998181	1.689344	1.806082	1.636577	3.190452	3.078451	2.304078	0.847211	1.340339	2.03902	2.152106	1.055461
MYCNOS	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MYCT1	1	1.419329	0.782437	1.131191	1.007231	0.839683	2.992247	0.9291	1.025698	1.390979	0.313095	1.035974	1.330224	1.284032
MYD88	1	3.471983	3.459199	6.411605	8.334192	8.730644	4.840663	2.606439	2.130688	2.702729	2.807802	6.081525	3.017664	0.496202
MYDGF	1	9.308148	7.661803	4.513036	4.885046	24.21712	20.19323	18.88558	13.51694	7.373951	10.42696	10.11703	14.07934	1.391647
MYEF2	1	11.28681	14.83804	4.822817	2.99877	10.58383	20.2515	23.22738	29.20328	13.78715	11.59923	8.906053	19.61371	2.20229
MYF5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
MYF6	1	0.214557	0.387681	0.312389	0.222748	0.931579	0.449139	0.212764	0	0	0.142666	0.413791	0.160914	0.388877
MYH1	1	0.250942	0.141695	0.086886	0.065986	0.174396	0	0	0	0.553717	0.310319	0.143981	0.172807	1.200208
MYH10	1	74.6697	61.12661	37.49894	42.9613	26.63434	27.57732	63.09299	37.10094	18.696	21.38148	48.57818	33.56975	0.691046
MYH11	1	9.698901	1.63516	13.59021	12.96466	1.872875	8.933796	1.430645	2.25691	6.611523	9.815105	7.952361	5.809596	0.73055
MYH14	1	13.36952	11.02422	25.02444	26.94771	8.431116	5.216423	3.784378	4.242285	15.6361	24.86966	16.9594	10.74977	0.633853
MYH15	1	0.687644	0.441713	0.358225	0.449648	0.291034	0.660306	0.904877	0	0.04892	0.026218	0.445653	0.328064	0.736143
MYH2	1	0.131143	0.010333	0.013321	0.01096	0	0.047882	0.025923	0	0.157665	2.169893	0.033151	0.480273	14.48725
MYH3	1	0.4457	0.121494	0.597461	0.368208	0.125119	0.225206	0.209013	0.111217	0.158904	2.360668	0.331596	0.613002	1.848638
MYH4	1	1.362144	0.60225	0.154356	0.215508	0.374872	0	0.006827	0	0.182688	0.085447	0.541826	0.054992	0.101494
MYH6	1	2.039085	0.035373	0.10261	0.078794	0.017	0.016392	0.692207	0.412849	15.96583	1.81718	0.454572	3.780891	8.31747
MYH7	1	7.088288	1.771507	1.393249	2.418094	0.459974	0.596751	1.735434	1.306244	45.80485	5.015502	2.626222	10.89176	4.14731
MYH7B	1	3.566959	3.340111	3.537307	3.216548	3.207131	3.156577	3.910167	3.608311	4.637671	1.134998	3.373611	3.289545	0.975081
MYH8	1	0.115258	0.028143	0.040819	0.037315	0.016907	0.016302	0.039716	0	0.273766	0.378017	0.047689	0.14156	2.968433
MYH9	1	24.14939	13.58581	26.40672	25.11186	10.99694	23.32177	12.59016	28.69475	23.10362	20.30657	20.05014	21.60337	1.077467
MYL1	1	0.382928	0.196565	0.076027	0.041701	0.259785	0.455452	0	0	0	2.097735	0.191401	0.510637	2.66789
MYL10	1	1.0274	0	0	0	0.613366	0	3.580406	0.10621	0	0.068315	0.328153	0.750986	2.288523
MYL12A	1	46.08452	22.06747	25.65506	27.47918	55.95297	132.3563	76.39114	52.49229	39.22896	42.60544	35.44784	68.61482	1.935656
MYL12B	1	86.36094	70.76373	37.74726	48.79116	132.636	198.6079	214.4975	99.28708	68.24467	53.00305	75.25981	126.728	1.683874
MYL2	1	4.84738	0	0.142419	0.364543	0.058987	0	0	0	118.2165	9.973084	1.082666	25.63792	23.68036
MYL3	1	5.672758	0.02288	0	0	0	0.424106	0.258307	0.418883	39.48551	3.132113	1.139127	8.743783	7.67586
MYL4	1	2.342034	1.989952	0.925555	1.042046	8.413484	1.167298	0.142192	0	0.345928	0.296628	2.942614	0.390409	0.132674
MYL5	0.002463	0.87538	0.958615	0.521399	0.317761	0.719847	0	0	0	0	0.044096	0.6786	0.008819	0.012996
MYL6	1	454.8502	322.2621	203.7638	225.8726	1021.926	615.1445	223.4255	262.4307	205.6766	313.2054	445.735	323.9765	0.726837
MYL6B	1	25.92404	15.18191	15.11834	20.26217	106.0685	89.99095	51.20728	27.84719	21.36818	10.60683	36.51098	40.20409	1.10115
MYL7	1.67E-06	0	0	0	0	0	0.884136	1.256487	7.859245	2.62013	4.540253	0	3.43205	#DIV/0!
MYL9	1	20.01086	2.831476	17.21944	20.75966	8.686753	10.81069	3.953983	4.48295	11.4128	18.08721	13.90164	9.749527	0.701322
MYLIP	1	6.241899	5.643365	10.2977	9.08567	6.905168	6.096779	4.338722	6.909115	14.51759	7.7668	7.63476	7.925802	1.038121
MYLK	1	2.339396	1.127999	3.812726	4.12218	1.283936	4.459231	2.583295	1.551136	6.545163	27.58248	2.537248	8.544261	3.367531
MYLK2	1	0.006031	0	0.026343	0.050572	0	0	0	0.155871	0.311787	0.782006	0.016589	0.249933	15.06581
MYLK3	1	0.496885	0.580418	0.607848	0.607488	0.421659	0.071488	0.054426	3.119961	0.238334	0.085153	0.54286	0.713872	1.315022
MYLK4	1	0.061599	0.015459	0.029896	0.06559	0.037147	0.501462	0.159983	0.212266	0.672273	0.352705	0.041938	0.379738	9.054724
MYLPF	1	1.135588	0	0.127184	0.10464	0.474094	0	0.123747	0.301012	0.301055	8.712583	0.368301	1.887679	5.12537
MYMK	4.03E-08	0.487796	0.562735	0.573637	0.960095	0.655749	0	0.009568	0.023274	0.023277	0.03493	0.648002	0.01821	0.028102
MYMX	1	0	0	0	0	0	0	0	0	0.098769	0.12704	0	0.045162	#DIV/0!
MYNN	1	4.288548	4.497425	3.853062	3.769495	1.670529	2.303731	3.054701	4.337411	4.142475	2.35537	3.615812	3.238737	0.895715

MYO10	1	17.77342	11.42652	16.14752	18.07923	11.73742	12.39513	12.69042	10.69028	12.58231	4.520975	15.03282	10.57582	0.703515
MYO15A	1	0.03273	0.054759	0.59832	0.797207	0.082239	0.735896	0.262742	0.598385	0.244402	0.108816	0.313051	0.390048	1.245958
MYO15B	1	0.004613	0.001736	0.154476	0.299316	0.008345	0	0	0.009935	0.035771	0.034507	0.093697	0.016043	0.171218
MYO16	1	5.603833	2.878922	13.07243	5.38193	1.932032	15.95541	5.703818	0.927433	10.43328	1.565299	5.77383	6.917047	1.198
MYO18A	1	21.00915	17.91135	22.50532	23.09066	6.591416	23.60721	26.83944	31.97902	16.80391	26.39661	18.22158	25.12524	1.378873
MYO18B	0.693049	0.087869	0.104454	0.722161	0.152347	0.0251	0.556658	0.545412	1.021918	7.698374	18.99651	0.218386	5.763775	26.39259
MYO19	1	1.861341	1.588675	2.288576	2.499085	2.84366	1.151893	3.955255	3.499691	0.939983	0.962454	2.216267	2.101855	0.948376
MYO1A	1	0.017281	0.035128	0.150963	0.169746	0.309505	0.144699	1.006156	2.027632	0.482414	0.436645	0.136524	0.819509	6.002655
MYO1B	1	9.234679	4.12056	7.272743	9.06334	3.35233	12.12419	6.353391	3.562855	27.26675	2.10118	6.60873	10.28167	1.555771
MYO1C	1	3.829112	1.86165	6.143973	5.139611	3.83728	9.756596	4.523007	6.164639	5.982782	5.270362	4.162325	6.339477	1.523062
MYO1D	1	3.839186	4.497241	7.962664	12.21526	4.922713	4.36288	2.949985	1.756952	2.774539	1.546432	6.687412	2.678157	0.400477
MYO1E	1	3.76249	3.736918	5.421677	6.301638	3.013983	7.149202	9.684379	4.850845	6.216513	2.375856	4.447341	6.055359	1.361568
MYO1F	1	1.32799	1.340979	2.900278	3.907308	1.078488	7.634642	1.235874	0.926921	0.977167	0.241704	2.111009	2.203262	1.043701
MYO1G	0.418244	0.06909	0.039012	0.075445	0.062072	0	0.241046	0.746295	0.595195	1.428675	4.278167	0.049124	1.457875	29.67775
MYO1H	0.03554	0.101925	0.100091	0.11614	0.058394	0.048103	0.417451	0.433173	2.851815	2.978232	3.020348	0.084931	1.940204	22.84456
MYO3A	1	0.097428	0.036675	0.056741	0.085586	0.052878	0.135966	0.172525	0.033573	1.057702	0.113371	0.065862	0.302627	4.594895
MYO3B	1	0.046173	0.074956	0.088235	0.006914	0	0	0.374065	0.037291	0.059674	0.028783	0.043256	0.099963	2.310976
MYO5A	1	33.20927	45.67539	43.34575	42.79533	24.63707	21.2672	25.15186	16.67542	35.36193	29.35029	37.93256	25.56134	0.673863
MYO5B	1	2.339529	3.344272	1.788304	2.363694	1.236328	1.433781	2.106296	0.914913	1.24128	2.446026	2.214426	1.628459	0.735387
MYO5C	1	0.720711	0.66389	0.530841	0.172667	0.544548	0.14791	1.333284	0.182611	2.016323	0.361768	0.526531	0.808379	1.535292
MYO6	1	16.63189	16.76768	19.83424	16.26641	12.86649	15.15431	20.80846	19.09067	19.82824	13.57702	16.47334	17.69174	1.073962
MYO7A	1	0.170978	0.072721	0.426752	0.473464	0.060257	0.069723	0.231203	0.459098	0.459165	1.129504	0.240834	0.469739	1.950465
MYO7B	5.62E-09	0.02782	0.010472	0.025316	0.011109	0	6.406033	0.226612	1.162374	0.503369	0.030831	0.014943	1.665844	111.4771
MYO9A	1	7.110186	8.146663	6.097811	6.036768	4.91383	3.836391	7.760747	7.1858	6.703696	5.041919	6.461052	6.105711	0.945003
MYO9B	1	6.472562	6.845624	12.43188	10.80474	8.594224	8.000804	16.20715	7.782933	6.031237	13.22824	9.029806	10.25007	1.135138
MYOC	1	2.402912	5.574192	0.24629	0.789751	4.990581	1.180346	0.221201	0.156936	0.089691	0.072102	2.800745	0.344055	0.122844
MYOCD	1	0.574925	0.186717	0.492397	0.306088	0.234533	0.127824	0.143728	1.218794	0.126268	0.440379	0.358932	0.411399	1.146173
MYOD1	1	0	0	0	0.120179	0	0.052503	0	0	0	0	0.024036	0.010501	0.436877
MYOF	1	4.373223	0.72587	3.185449	2.244716	0.623899	3.726012	1.675765	4.683222	1.725312	0.69451	2.230631	2.500964	1.121191
MYOG	1	0.025869	0	0	0	0.0702	0	0	0	0	0	0.019214	0	0
MYOM1	1	1.745182	1.865467	3.679221	6.117556	6.316748	0.461935	0.69131	5.624868	2.51624	0.972615	3.944835	2.053394	0.520527
MYOM2	1	0.718104	0.686526	0.746814	0.750979	0.505218	2.485497	1.64704	1.040874	4.223028	1.907438	0.681528	2.260775	3.317215
MYOM3	0.059255	0.739303	5.30234	1.869546	1.413862	4.549201	0.390295	0.096464	0.125703	0.486122	0.113194	2.77485	0.242356	0.08734
MYORG	1	1.611719	1.604122	2.930204	3.342447	2.221185	4.63685	1.685514	1.890057	3.984238	6.251499	2.341935	3.689632	1.575463
MYOT	1	0.008019	0.072449	0.210162	0.605185	0	0.167868	0.068161	0.04145	0.704755	0.306602	0.179163	0.257767	1.43873
MYOZ1	1	1.755936	1.307623	0.361258	0.335329	3.245747	3.595848	1.000414	1.052317	0.657794	1.755601	1.401179	1.612395	1.150742
MYOZ2	1	0.841383	0	0	0	0	0.157258	0	0	6.524472	0.199809	0.168277	1.376308	8.178838
MYOZ3	1	0.233363	0.010981	0.127414	0.099005	0.105545	0	0	0.012565	0	0.145473	0.115262	0.031608	0.274224
MYPN	1	0.013128	0	0.117873	0.029705	0	0	0	1.085746	2.18689	0.829303	0.032141	0.820388	25.52431
MYPOP	1	0.943362	1.260408	2.437498	2.689832	2.938563	1.355916	1.919896	2.352219	1.339414	4.99168	2.053933	2.391825	1.16451
MYRF	1	4.9439	8.745297	45.10865	65.40103	21.33687	9.976274	7.836563	2.332899	4.958132	2.76415	29.10715	5.573604	0.191486
MYRFL	1	0.275846	0.147837	0.633068	0.156816	0.228373	0.685094	0.397395	2.114556	2.562006	1.297923	0.288388	1.411395	4.894083
MYRIP	1	9.747039	8.126314	2.541749	3.978398	5.738753	47.46274	22.48383	6.978558	1.357394	0.967333	6.026451	15.84997	2.630067
MYSM1	1	5.600999	6.898939	5.902171	6.042168	1.938397	3.454805	4.224824	6.018113	5.985661	4.869699	5.276535	4.910621	0.930653
MYT1	1	1.02168	1.036902	8.341887	2.419731	0.697656	2.533608	1.284164	26.16312	14.60239	15.08555	2.703571	11.93377	4.414075
MYT1L	1	32.5636	35.57644	20.23447	25.69385	17.35193	16.57349	27.3034	12.64412	8.279628	13.26665	26.28406	15.61346	0.594028

MYZAP	1	0.562268	0.35099	0.60473	0.274153	0.391037	7.925615	1.212803	0.657203	1.665157	0.3006	0.436636	2.352276	5.387275
MZB1	1	0.092631	0.052304	0.050575	0.166443	0	0	0.098418	0.538647	0	0.192479	0.072391	0.165909	2.291856
MZF1	1.92E-06	4.961226	5.769632	7.73674	8.072395	3.632182	0.331452	0.323	0.240072	0.807631	1.130044	6.034435	0.56644	0.093868
MZT1	1	18.38847	19.93144	12.15753	11.72975	15.20534	14.04093	28.44784	33.16064	31.98604	19.14468	15.4825	25.35603	1.637721
MZT2B	1	1.912255	2.483138	4.489211	5.030251	3.349821	3.518472	1.030499	0.341818	3.390186	14.78557	3.452935	4.613309	1.336054
N4BP1	1	7.925169	7.807503	10.50186	7.319839	1.194111	8.048098	11.06639	14.99523	17.56538	10.30866	6.949697	12.39675	1.783783
N4BP2	1	1.00778	1.55645	2.365832	1.688837	0.347804	1.176094	1.872864	3.453072	5.954125	1.666511	1.393341	2.824533	2.027166
N4BP2L1	1	15.29593	19.85595	12.67351	17.67121	27.64356	26.49032	26.58886	50.96299	36.19489	21.66533	18.62803	32.38048	1.738266
N4BP2L2	1	7.898823	6.835243	6.032422	4.361234	3.576364	4.312525	6.802919	7.524484	12.21608	5.560527	5.740817	7.283306	1.268688
N4BP3	1	0.638371	0.601965	1.561479	1.827635	1.290585	2.589124	2.048325	1.418857	0.957043	1.618308	1.184007	1.726332	1.458041
N6AMT1	1	0.9818	1.850901	1.452531	1.043307	4.984785	0.828723	1.110437	2.762498	2.906162	1.579431	2.062665	1.83745	0.890814
NAA10	1	17.9517	16.55079	21.00635	21.45457	68.85356	56.08623	32.33199	38.19832	18.86082	37.3883	29.16339	36.57313	1.254077
NAA11	1	0.027865	0	0	0	0	0	0.118423	0.108023	0.648229	0.532687	0.005573	0.281472	50.50677
NAA15	1	9.330361	10.86929	7.374085	7.563939	5.3965	6.555578	12.92619	12.119	13.80571	10.33679	8.106834	11.14865	1.375217
NAA16	1	1.031643	0.982565	0.895798	0.766791	0.101188	1.496088	1.862041	3.148071	3.244913	1.20872	0.755597	2.191967	2.900973
NAA20	1	50.24196	49.58864	27.22828	29.1469	133.212	53.73738	58.97704	45.55891	47.39916	55.77753	57.88355	52.29001	0.903366
NAA25	1	6.499681	7.851279	6.576908	5.031575	1.424796	2.905642	9.694977	8.28205	8.89163	7.483993	5.476848	7.451658	1.360574
NAA30	1	11.86449	14.38866	9.370513	9.673521	10.92273	9.263988	17.01661	13.02774	14.75094	8.414571	11.24399	12.49477	1.11124
NAA35	1	6.113557	4.70648	4.061238	3.794759	3.695391	2.86355	5.236615	4.199903	5.593596	5.307073	4.474285	4.640147	1.03707
NAA38	1	5.871724	5.192636	4.573127	5.378713	16.75406	14.2346	4.243137	3.598516	4.575523	10.37081	7.554051	7.404517	0.980205
NAA40	1	4.52239	4.8209	6.353815	6.783756	5.971988	5.90925	5.729185	6.164043	6.135158	6.06206	5.69057	5.999939	1.054365
NAA50	1	25.89619	29.21142	12.20199	11.16634	27.37609	31.14206	50.93493	49.43979	20.83048	19.62079	21.17041	34.39361	1.624608
NAA60	0.644262	15.35869	13.57957	15.39732	16.74986	26.45592	6.308307	5.235326	5.972286	4.833239	6.412141	17.50827	5.75226	0.328545
NAA80	1	0.027803	0	0	0	0	0	0	0	0	0	0.005561	0	0
NAAA	1	0.318088	0.30128	0.336141	0.270413	0.29701	2.684935	0.901228	1.378974	2.068762	0.807367	0.304587	1.568253	5.148794
NAALAD2	1	4.594588	3.389861	1.620072	2.293836	2.684018	0.993097	2.052852	0.966007	1.426925	10.40988	2.916475	3.169753	1.086844
NAALADL1	1	0	0	0.560213	0.406932	0.150506	3.374177	2.622259	1.863405	3.548153	0.656901	0.22353	2.412979	10.79487
NAALADL2	1	0.352704	0.253347	0.151962	0.195443	0.084643	0.094174	0.152955	0.195331	0.502352	0.10769	0.20762	0.2105	1.013873
NAB1	1	6.624367	6.392892	10.09418	7.754458	5.180853	11.80367	14.23684	24.91164	21.71335	12.82754	7.20935	17.09861	2.371727
NAB2	1	9.114908	14.99456	7.383658	7.966006	14.752	14.3026	17.07422	32.0059	12.62714	31.83904	10.84223	21.56978	1.989423
NABP1	1	1.992766	1.549833	1.026444	1.396241	1.088345	1.344593	4.98023	2.477922	9.686359	2.312599	1.410726	4.160341	2.949078
NABP2	1	9.31802	11.46341	11.59855	14.74772	19.52135	50.46974	22.54467	23.20846	13.22825	27.36774	13.32981	27.36377	2.052825
NACA	1	16.82735	16.68921	15.58361	16.12038	35.27599	74.44328	43.47855	94.06229	72.39627	82.43396	20.09931	73.36287	3.650019
NACAD	0.099526	14.19239	13.409	40.89267	42.79217	12.19124	1.885789	1.789429	2.657196	5.578393	9.938992	24.6955	4.36996	0.176954
NACC1	1	11.68636	12.71032	7.96509	9.971842	15.31469	10.70927	9.772564	5.583542	3.040985	6.578265	11.52966	7.136926	0.619006
NACC2	1	3.519243	4.736451	14.36597	13.85449	1.910014	2.182797	4.129943	3.60817	8.145767	13.37591	7.677234	6.288518	0.819112
NADK	1	6.642387	5.256351	4.427117	5.008278	9.904885	4.404422	3.30754	4.241043	2.806981	6.107624	6.247803	4.173522	0.667998
NADK2	1	11.91978	9.82001	5.639171	9.020976	9.296937	9.624637	16.49938	10.58475	21.10145	8.127134	9.139375	13.18747	1.442929
NADSYN1	0.001169	3.523724	3.095481	5.340755	6.79633	5.013562	1.336035	1.291974	1.519258	1.198218	0.971614	4.75397	1.26342	0.265761
NAE1	1	15.32124	16.02662	8.370757	8.989334	10.48316	26.49829	40.83005	47.86036	28.83511	23.57435	11.83822	33.51963	2.831475
NAF1	0.093411	16.76164	15.60814	7.449799	8.677272	6.623339	6.258326	5.123942	5.699935	5.016673	3.226293	11.02404	5.065034	0.459454
NAGA	1	5.579863	4.029947	7.630001	9.804917	13.71982	4.361904	3.510414	5.133715	2.863946	5.09411	8.15291	4.192818	0.514273
NAGK	1	2.937442	2.849677	9.418146	3.434519	10.76967	14.43225	9.362875	12.03358	7.350435	10.37639	5.881891	10.71111	1.821031
NAGLU	1	1.513505	1.111407	2.99606	2.875822	2.083926	3.940824	2.899262	3.583998	3.931408	4.189119	2.116144	3.708922	1.75268
NAGPA	1	1.039074	1.068349	1.253194	1.932073	2.251556	1.014518	1.713657	1.322674	0.721563	1.611276	1.508849	1.276738	0.846166
NAGS	1	0.018581	0.010492	0.334789	0.189195	0.025212	0	0	0.036016	0.288173	0.030888	0.115654	0.071016	0.614036

NAIF1	1	1.040899	0.728373	1.297026	1.652316	2.408757	0.434452	1.329828	1.452348	1.254483	0.91293	1.425474	1.076808	0.755404
NAIP	1	1.472311	0.325107	0.658662	0.591175	0.334807	2.826634	3.163544	3.443726	0.807905	0.460325	0.676413	2.140427	3.16438
NALCN	1	20.0223	25.10402	17.45823	22.69555	3.801724	4.568994	15.13747	16.06443	12.6255	12.97502	17.81637	12.27428	0.688933
NAMPT	1	7.755697	8.446652	5.27381	4.618426	4.790642	6.875367	8.533677	7.436981	8.315967	6.340805	6.177045	7.500559	1.214263
NANOG	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NANOS1	1	1.129205	0.912135	0.650787	1.324488	2.021582	5.293929	2.049577	0.222931	0.851314	2.47675	1.207639	2.1789	1.804264
NANOS2	1	0	0	0	0	0.186004	0	0	0	0	0	0.037201	0	0
NANP	1	2.484175	2.776017	1.050982	1.807278	1.094127	1.429374	3.592864	4.739525	3.294617	3.978183	1.842516	3.406913	1.849055
NANS	1	10.19352	8.045548	11.11376	13.37277	21.01611	22.47024	19.5656	16.68626	15.61996	21.91486	12.74834	19.25139	1.510109
NAP1L1	1	21.24133	21.07855	12.09042	17.37791	25.23327	9.803567	12.92653	12.64551	31.94359	22.97352	19.40429	18.05854	0.930647
NAP1L3	3.28E-07	5.865193	11.23934	6.404676	9.045513	3.077873	47.85986	57.71305	66.25796	95.1887	79.01842	7.12652	69.2076	9.711275
NAP1L4	1	43.69744	44.48367	39.70332	41.26651	58.02218	40.27578	46.47061	37.93156	34.5761	24.96526	45.43463	36.84386	0.81092
NAP1L5	1	68.56527	61.5214	0	0	72.40055	79.67664	67.92484	37.48961	0.602734	0.113058	40.49744	37.16138	0.917623
NAPA	1	53.30328	53.95838	64.61797	77.73643	124.5749	77.30655	68.24248	74.01781	76.14047	188.226	74.83819	96.78666	1.293279
NAPB	1	104.6656	105.2494	68.22157	72.88062	88.84894	30.90699	37.38	29.62526	27.08346	74.51088	87.97323	39.90132	0.453562
NAPEPLD	1	15.0476	15.92508	0.749902	0.681498	5.051751	1.58555	3.769805	2.670945	0.748321	0.190264	7.491165	1.792977	0.239346
NAPG	0.081347	20.3786	18.11293	16.55376	21.48499	29.83689	6.239557	9.031599	4.528803	4.938002	5.077691	21.27343	5.96313	0.280309
NAPRT	1	2.432757	0.7082	6.186746	4.274137	5.662793	5.092565	2.297549	1.620732	4.695216	6.883877	3.852926	4.117988	1.068795
NAPSA	1	0.179807	0.030459	0.098173	0.086156	0	0	0	0	2.091463	0.493185	0.078919	0.51693	6.550126
NARF	1	9.302768	9.938374	9.294222	10.86556	7.831887	26.4131	15.39742	17.30617	8.32973	15.35401	9.446562	16.56009	1.753028
NARFL	1	3.587193	3.749721	6.069955	6.996066	12.00718	4.499303	5.653956	4.673757	4.138026	8.722898	6.482022	5.537588	0.854299
NARS	0.179855	88.30996	92.2021	57.48327	55.08251	105.2783	15.13414	28.06213	26.28515	25.00659	17.35173	79.67124	22.36795	0.280753
NARS2	1	5.614828	5.706772	5.140845	6.260324	6.544009	2.33567	4.13004	3.404552	2.939877	1.268428	5.853356	2.815713	0.481043
NASP	1	16.25361	16.1529	10.33878	10.04867	14.91981	14.84783	13.30659	28.32196	17.34644	15.40132	13.54275	17.84483	1.317666
NAT1	1	1.09091	0.460368	0.714752	0.268237	0.280456	0.480766	0.048803	0.163228	0.41555	0.162257	0.562945	0.254121	0.451413
NAT10	1	12.44904	10.41738	9.567014	9.226897	8.101471	12.27943	13.5585	17.15854	12.91176	18.09954	9.95236	14.80155	1.487241
NAT14	1	7.360678	7.395567	11.76916	15.25127	22.68614	11.85975	15.12918	6.294967	11.11581	35.32839	12.89257	15.94562	1.236807
NAT16	1	0.243476	0.237465	0.265871	0.291659	0.150162	0	0	0.057205	0.457704	0.367944	0.237727	0.176571	0.742746
NAT8	1	0.131831	0.269125	0.531534	0.437316	0.577898	0	0	0.013104	0.314548	0.421437	0.389541	0.149818	0.384601
NAT8L	0.000727	17.94401	26.56335	39.32503	50.79073	32.82894	3.666647	7.162838	1.901286	3.823247	8.786918	33.49041	5.068187	0.151332
NAT9	0.560331	3.747286	3.930634	5.81515	5.57512	3.582638	1.465574	1.227952	0.700787	0.482579	0.694601	4.530165	0.914299	0.201825
NATD1	0.112386	2.026042	2.400917	7.248517	7.504489	4.159681	0.871953	0.368211	0.361711	0.689073	0.819832	4.667929	0.622156	0.133283
NAV1	0.000698	11.32994	9.840585	14.13247	21.32908	12.90365	4.442862	3.697535	1.349902	2.46675	1.658966	13.90715	2.723203	0.195813
NAV2	1	3.308404	3.819043	6.267376	3.987722	1.946875	5.520506	5.568037	11.89849	11.98365	7.80929	3.865884	8.555996	2.213206
NAV3	1	10.40927	11.30572	6.433993	8.026419	7.466321	18.83136	12.82957	14.74272	12.14763	15.17279	8.728344	14.74481	1.689302
NAXD	0.535481	6.907821	7.853693	11.45481	14.57637	16.19413	3.619155	4.293004	2.771312	3.69562	6.355103	11.39737	4.146839	0.363842
NAXE	1	11.4464	11.05959	9.939982	12.9721	36.88229	25.95421	13.27316	13.49333	17.57903	34.87258	16.46007	21.03446	1.277908
NBAS	1	7.597655	5.378603	6.557705	8.413146	3.881221	4.285619	8.338172	7.752871	3.880674	6.215657	6.365666	6.094599	0.957417
NBDY	4.19E-05	5.246126	5.966899	4.056097	4.379513	8.403584	0.021841	0.026606	0.021572	0.064727	0.069378	5.610444	0.040825	0.007277
NBEA	1	16.1016	22.17759	19.78919	15.22541	6.721863	19.46733	36.99564	25.78127	35.69958	30.5046	16.00313	29.68968	1.855242
NBEAL1	1	1.152244	1.367466	2.865544	1.683318	0.393192	0.890669	1.654299	2.894693	4.321864	1.139308	1.492353	2.180166	1.460892
NBEAL2	1	0.843311	0.677825	2.790828	2.435296	0.700552	7.014031	2.230849	3.608389	3.581111	1.623588	1.489562	3.611593	2.4246
NBN	1	13.9881	17.14653	11.23964	12.43936	18.33421	7.658689	8.940524	7.611659	7.786142	1.682641	14.62957	6.735931	0.460433
NBR1	1	31.92567	30.32794	28.42868	30.98052	20.87144	21.54853	32.91185	46.33055	44.13884	40.18866	28.50685	37.02369	1.298764
NCALD	1	73.21708	74.23827	16.59031	22.88983	86.44971	124.0733	95.38757	20.47899	6.620946	5.330656	54.67704	50.37829	0.921379
NCAM1	1	66.23244	63.3278	68.76247	79.82884	22.64922	31.84582	99.36683	87.86919	63.35235	62.77796	60.16015	69.04243	1.147644

NCAM2	1	14.78419	17.81864	7.723137	12.16158	8.303913	5.514596	23.39939	13.8629	43.57986	23.00601	12.15829	21.87255	1.798982
NCAN	1	38.13417	34.36097	27.11528	32.48458	38.6549	23.06632	46.40981	7.012212	15.38768	5.890044	34.14998	19.55321	0.572569
NCAPD2	1	2.091532	1.667517	3.716724	3.477626	2.444929	2.189134	2.271582	5.396204	8.557555	9.212096	2.679666	5.525314	2.061942
NCAPD3	0.002345	3.602102	3.460077	4.770814	4.65204	3.455587	0.754776	1.068909	0.927306	0.581924	0.8362	3.988124	0.833823	0.209076
NCAPG	1	5.165548	5.056495	2.066096	2.788042	4.419701	2.250406	1.83894	5.556739	1.945142	1.813875	3.899177	2.68102	0.687586
NCAPG2	1	0.85913	1.056945	1.090145	1.155634	1.094064	1.155425	1.070888	1.389284	2.952658	1.340397	1.051184	1.581731	1.504714
NCAPH	1	0.078988	0.085771	0.092888	0.236548	0.14015	0.604155	0.619736	0.219843	0.282696	0.393912	0.126869	0.424068	3.342574
NCAPH2	1	6.269262	5.155474	10.8516	12.43057	10.5143	9.105817	6.136826	8.645997	5.100258	13.7762	9.044241	8.553019	0.945687
NCBP1	1	17.08047	19.28428	13.5395	14.11618	19.28597	7.633903	19.32797	13.92909	19.26901	8.973397	16.66128	13.82667	0.829869
NCBP2	1	18.4467	15.9825	8.73977	10.00778	24.77976	33.62203	33.39313	35.19445	35.07	31.4423	15.5913	33.74438	2.164308
NCBP2-AS2	1	2.020367	2.345884	3.418059	4.465413	10.34747	2.680541	1.632617	0.661883	1.176853	6.717049	4.519438	2.573789	0.569493
NCBP2L	1	0	0	0	0	0.16848	0	0.131929	0	0.32096	0	0.033696	0.090578	2.688088
NCBP3	1	9.144299	9.115835	8.40953	6.83407	5.764459	3.776178	6.133144	9.446197	7.774201	5.145429	7.853639	6.45503	0.821916
NCCRP1	1	0	0	0	0	0	0	0	0	0	0.051208	0	0.010242	#DIV/0!
NCDN	1	72.39025	79.99225	169.3578	193.6521	189.0936	135.2604	136.3311	90.8899	47.6567	132.4462	140.8972	108.5168	0.770184
NCEH1	1	20.51264	24.72521	19.77743	20.63281	24.41595	7.881657	21.00443	6.366479	8.590465	5.472896	22.01281	9.863186	0.448066
NCF1	1	2.083657	2.06882	6.749585	6.918442	1.290257	3.439662	1.248067	0.397557	1.084405	1.441285	3.822152	1.522195	0.398256
NCF2	0.607888	1.134165	1.306099	1.22219	1.805521	2.065333	16.40061	11.08303	12.05257	1.581527	3.162941	1.506662	8.856136	5.877986
NCF4	1	0.392176	0.848866	0.547207	0.848224	4.375197	0.79815	0.254636	0.168926	0.225268	0.706255	1.402334	0.430647	0.307093
NCK1	1	4.801341	6.0214	8.982297	4.030699	2.872759	3.481206	4.301046	6.301393	6.636827	4.556515	5.341699	5.055397	0.946402
NCK2	1	11.47199	16.34498	7.295711	9.515846	14.7237	5.475045	6.224672	4.326102	3.394246	11.45416	11.87044	6.174845	0.520187
NCKAP1	1	67.83299	66.99701	39.15811	40.60812	21.6433	59.31276	109.9457	53.1831	57.52679	38.5744	47.2479	63.70854	1.348389
NCKAP1L	1	2.227044	1.775564	2.500392	2.564433	1.351268	10.32111	7.731737	23.3672	2.574212	0.984182	2.08374	8.995688	4.317087
NCKAP5	1	1.489393	1.31003	0.761626	0.728159	0.525753	1.736332	2.109923	0.788627	4.995365	1.900178	0.962992	2.306085	2.394708
NCKAP5L	1	2.574138	2.886885	10.39608	6.909185	3.545821	4.602231	3.169977	5.272482	6.073899	7.540169	5.262422	5.331752	1.013174
NCKIPSD	1	4.948018	5.607072	10.26038	12.31034	10.96074	13.61622	19.19371	12.49423	5.902953	18.67917	8.81731	13.97726	1.585206
NCL	1	77.00435	61.02518	50.27758	54.75266	42.92875	56.87445	52.61052	69.51945	60.84942	63.9864	57.1977	60.76805	1.062421
NCLN	1	4.192967	4.633174	8.676611	9.450573	10.36761	1.417594	2.698136	1.61891	2.538119	3.79932	7.464186	2.414416	0.323467
NCMAP	1	0.323001	0.396486	1.359726	1.418711	0.470017	0.171487	0	0.157277	0.3388	0.147852	0.793588	0.163083	0.205501
NCOA1	1	22.00514	18.4939	17.93664	19.45191	13.94709	15.0351	17.33033	19.12739	16.30505	14.58697	18.36694	16.47697	0.897099
NCOA2	1	6.862433	7.588791	10.10383	7.986531	3.831527	5.018059	6.332563	11.53266	8.561155	8.239221	7.274623	7.936732	1.091016
NCOA3	1	7.978361	8.912743	5.821343	6.043862	4.502351	3.534803	9.184814	6.373337	4.487763	4.996119	6.651732	5.715367	0.85923
NCOA4	1	17.10712	16.66122	14.58139	16.67727	19.1207	8.237271	12.74275	14.51464	18.56617	18.12522	16.82954	14.43721	0.857849
NCOA5	1	7.979859	8.563067	9.128795	9.165904	16.74881	11.54008	11.53698	18.76351	8.512521	15.46648	10.31729	13.16391	1.275908
NCOA6	1	10.57491	10.00888	15.37985	13.57843	9.060312	14.67124	12.76608	23.66751	18.83783	18.2153	11.72048	17.63159	1.504341
NCOA7	1	13.34127	14.0624	13.16542	11.84808	6.989599	9.581155	19.43018	17.82476	14.04993	8.792776	11.88135	13.93576	1.17291
NCOR1	1	18.12467	16.63304	17.96662	17.78111	10.4	12.28019	10.58579	11.2677	10.24808	8.989375	16.18109	10.67423	0.659673
NCOR2	1	9.110234	10.14202	31.74675	35.86804	5.847018	7.834968	6.964521	9.479652	14.19278	25.76843	18.54281	12.84807	0.692887
NCR1	1	0.018534	0	0	0	0	0	0	0	0	0	0.003707	0	0
NCR3	0.000376	0.968087	1.180727	1.014846	1.190589	3.32762	0	0.301713	0.133438	0	0.085828	1.536374	0.104196	0.067819
NCR3LG1	1	1.367364	2.024809	1.067937	1.073892	3.464843	0.04739	0	0.117016	0.046813	0.180637	1.799769	0.078371	0.043545
NCS1	1	90.70354	63.97274	60.17572	90.15051	95.5167	134.0483	50.20584	8.176258	6.349548	15.03464	80.10384	42.76292	0.533844
NCSTN	1	14.19415	13.96033	22.03529	23.06788	20.36316	28.45136	26.25554	34.39415	18.69519	21.68173	18.72416	25.89559	1.383004
NDC1	1	6.268163	5.976658	3.961597	4.803049	5.648556	4.674426	7.692384	5.16601	8.095949	6.501732	5.331604	6.4261	1.205284
NDC80	1	0.241607	0.145519	0.175886	0.10612	0.131128	0.590056	1.16371	0.895	0.416339	0.080326	0.160052	0.629086	3.930512
NDE1	1	1.425517	2.159085	1.972611	2.046271	3.562813	1.792954	1.338936	1.133113	0.408723	0.123463	2.233259	0.959438	0.429613

NDEL1	1	15.14218	13.96269	9.960742	10.45193	11.4283	36.21001	22.33499	13.55576	13.39073	13.06899	12.18917	19.71209	1.617181
NDFIP1	1	410.6838	403.3324	168.6203	206.0937	692.2782	378.9065	647.3786	363.0684	367.2621	298.8992	376.2017	411.103	1.092773
NDFIP2	1	52.18851	58.50971	21.10556	24.2329	23.85636	21.92264	75.42791	19.93852	28.78422	15.61972	35.97861	32.3386	0.898829
NDN	1	39.22988	28.94221	21.65478	34.90606	64.98846	70.99826	54.58283	31.38396	13.56853	69.22715	37.94428	47.95215	1.263752
NDNF	1	1.998134	1.801636	2.466522	1.031214	0.171455	1.529269	2.399876	0.836864	0.5716	1.115941	1.493792	1.29071	0.864049
NDOR1	1	2.299468	2.340961	6.341345	8.521369	2.213202	3.240649	0.513498	0.89777	2.966975	5.492074	4.343269	2.622193	0.603737
NDP	1	5.090145	2.593356	8.225703	4.152576	5.973717	7.31025	8.267633	9.941997	17.95869	5.045303	5.207099	9.704775	1.863758
NDRG1	1	27.28487	32.73502	79.8006	101.5927	63.16918	32.04053	30.81664	31.72236	15.00043	13.29162	60.91648	24.57432	0.40341
NDRG2	1	163.6241	151.5485	279.9623	283.3973	309.1899	384.5738	274.8716	533.4005	345.7313	630.1947	237.5444	433.7544	1.825993
NDRG3	1	70.99287	84.15165	70.96761	68.46242	100.248	54.45648	85.55646	178.9322	64.81411	80.25319	78.96451	92.80249	1.175243
NDRG4	1	241.7673	235.2732	208.7042	221.7219	337.154	188.744	392.8606	262.0528	169.6939	321.374	248.9241	266.945	1.072395
NDST1	1	10.25472	9.851811	20.77355	29.26843	9.471968	9.843603	10.41221	7.021044	7.569798	5.549007	15.9241	8.079133	0.507353
NDST2	1	2.968028	2.945409	6.030724	5.552883	4.167326	4.997303	5.549777	15.3414	8.178357	8.724567	4.332874	8.55828	1.975197
NDST3	1	1.309963	1.230111	2.285616	0.784598	0.289794	2.086446	2.859246	0.754383	4.490153	1.609527	1.180016	2.359951	1.999931
NDST4	1	0.250985	0.161965	0.234918	0.369375	0	0.150113	0.685712	0.333595	1.705291	0.19073	0.203449	0.613088	3.013477
NDUFA1	1	41.61636	26.08128	28.90296	27.43219	131.4179	87.42236	46.18073	44.34657	11.90573	21.94573	51.09013	42.36022	0.829127
NDUFA10	1	44.08953	45.68829	35.54623	45.95621	83.53927	27.409	28.82531	20.20553	21.30158	40.39505	50.96391	27.62729	0.542095
NDUFA11	1	34.63356	32.00409	42.19281	45.72073	182.5794	53.37063	41.83948	25.66083	32.01546	87.89742	67.42612	48.15676	0.714215
NDUFA12	1	3.446033	2.529556	5.945541	8.049564	42.17482	35.8881	42.54458	20.84022	16.03327	15.18041	12.4291	26.09732	2.099694
NDUFA13	1	73.10632	83.46275	71.01967	68.57571	156.9537	218.0504	133.7671	110.9186	60.05218	219.35	90.62364	148.4277	1.637847
NDUFA2	1	63.19054	55.81813	16.4363	22.61933	200.6407	121.3501	60.65504	44.6831	24.88598	51.90199	71.741	60.69525	0.846033
NDUFA3	1	63.84354	59.48966	62.65052	63.23993	414.8686	101.5827	113.2767	61.11659	44.10507	94.42173	132.8185	82.90055	0.624164
NDUFA4	1	151.1943	185.7202	123.3355	137.0978	754.284	930.7304	676.9163	457.3557	473.4632	437.5156	270.3263	595.1963	2.201769
NDUFA4L2	0.017719	0.904195	0.616922	3.33235	2.233954	5.214086	104.5958	14.25015	34.95523	13.04926	15.71964	2.460302	36.51401	14.84127
NDUFA5	1	29.80557	33.11765	19.78603	21.62743	59.13082	32.07208	41.81014	27.38649	14.08078	11.41646	32.6935	25.35319	0.775481
NDUFA6	1	20.97372	19.41612	7.534523	7.902997	34.95998	33.48765	19.34163	32.63559	29.21995	21.27428	18.15747	27.19182	1.497556
NDUFA7	1	24.51399	33.57776	26.5961	33.67521	214.3754	92.90661	48.14216	23.50267	23.50609	75.71693	66.5477	52.75489	0.792738
NDUFA8	1	47.4144	50.71914	32.05507	40.37667	142.0049	130.1441	90.26107	61.41558	55.36365	76.19501	62.51403	82.67588	1.322517
NDUFA9	1	31.79674	29.78371	27.25794	30.06193	63.14193	48.59894	54.43206	40.93484	45.54951	56.80871	36.40845	49.26481	1.353115
NDUFAB1	1	68.48836	57.27797	37.20977	40.61675	147.7836	94.90239	62.19262	44.54172	76.30604	90.94954	70.27529	73.77846	1.049849
NDUFAF1	1	6.157077	6.132216	4.410399	4.010307	6.710105	5.636502	4.739423	3.212678	3.735137	2.693059	5.484021	4.00336	0.730005
NDUFAF2	1	5.857088	6.925994	4.356577	6.990749	14.62728	5.997143	2.480185	0.932371	4.497971	1.763847	7.751538	3.134303	0.404346
NDUFAF3	1	4.398698	5.985463	5.654414	7.307019	19.1648	11.13748	4.363859	4.939642	3.749068	7.064235	8.50208	6.250857	0.735215
NDUFAF4	1	14.28247	11.8874	4.666571	7.139925	31.49462	5.061461	11.99642	5.58043	4.883587	6.6553	13.8942	6.835441	0.491964
NDUFAF5	1	4.353295	4.859693	4.735499	4.215784	10.31976	12.39492	15.06313	14.00967	11.12314	17.88362	5.696806	14.0949	2.474175
NDUFAF6	1	5.616513	6.623414	6.388992	5.928453	6.320062	9.066883	8.856803	6.000743	4.99217	4.072186	6.175487	6.597757	1.068378
NDUFAF7	1	5.483469	4.902406	5.912992	5.213837	2.821063	11.59829	22.0176	22.49759	15.05964	6.703584	4.866753	15.57534	3.200355
NDUFAF8	1	17.25442	10.83555	18.93079	23.1179	63.68793	10.27087	5.734302	3.733701	10.28679	35.3435	26.76532	13.07383	0.488462
NDUFB1	1	23.76504	16.72276	33.91766	25.35295	277.76	344.3808	180.2019	123.0255	58.62764	49.95214	75.50368	151.2376	2.003049
NDUFB10	1	52.6743	52.48368	50.66438	53.44317	188.9285	173.3195	68.56344	87.79591	70.11339	157.6894	79.63881	111.4963	1.400025
NDUFB11	1	47.2152	35.25575	40.94913	45.62508	104.1133	126.4609	55.35897	34.70435	41.2674	62.80021	54.63169	64.11836	1.173648
NDUFB2	1	11.69567	14.12681	21.24873	20.89344	40.10974	14.72523	5.654894	8.542358	6.572001	21.21726	21.61488	11.34235	0.524747
NDUFB3	1	40.55462	40.83732	18.52948	25.16168	122.1226	150.7347	54.90326	43.4998	42.2996	53.3115	49.44114	68.94977	1.394583
NDUFB4	1	38.07685	28.2344	36.34392	35.64477	271.9216	183.0949	120.5672	88.67934	27.44748	48.14744	82.0443	93.58728	1.140692
NDUFB5	1	79.09061	100.0167	45.25729	46.6392	99.38655	89.87696	110.3706	89.20285	75.02437	53.86996	74.07807	83.66895	1.12947
NDUFB6	1	78.69156	60.5877	29.11549	27.19905	110.9086	123.0703	89.53548	73.77123	58.85789	60.82256	61.30048	81.21149	1.32481

NDUFB7	1	38.31601	31.13261	35.25131	44.85947	100.2928	79.14234	27.32685	17.15403	21.64062	63.694	49.97045	41.79157	0.836326
NDUFB8	1	96.23527	92.64344	72.61303	77.44147	374.1321	256.8629	111.6411	84.88977	33.65614	106.3977	142.6131	118.6895	0.832249
NDUFB9	1	73.51858	63.38409	31.84946	40.74321	113.3629	92.71397	73.55349	37.80948	31.99115	69.39223	64.57164	61.09206	0.946113
NDUFC1	1	6.567547	8.295071	10.19127	9.38546	43.30473	23.06416	34.39959	16.30345	12.50857	7.541663	15.54882	18.76349	1.206747
NDUFC2	1	32.86654	31.22489	42.02947	42.70359	170.7489	80.69201	74.45877	60.74755	60.23198	78.67655	63.91468	70.96137	1.110252
NDUFS1	1	49.04544	46.03797	24.67855	21.81023	30.32365	20.66597	69.81593	52.37251	28.77953	31.07852	34.37917	40.54249	1.179275
NDUFS2	1	68.13529	70.07815	51.58273	46.20238	68.13586	111.1804	104.6852	80.14433	43.01618	87.83326	60.82688	85.37188	1.403522
NDUFS3	1	46.40316	55.418	42.21578	41.50245	165.7394	104.0331	88.54682	76.3301	62.93256	88.71918	70.25577	84.11235	1.197231
NDUFS4	1	41.31409	30.90134	16.89418	20.00802	79.89411	106.947	79.73507	81.90807	57.29923	47.02206	37.80235	74.58228	1.972954
NDUFS5	1	122.0366	112.3212	54.60349	75.60098	417.4894	707.2533	264.809	161.3892	124.5993	137.6936	156.4103	279.1489	1.784721
NDUFS6	1	19.29077	22.08908	16.54897	18.88365	18.44892	26.61	11.4669	9.004809	12.08138	19.58908	19.05228	15.75043	0.826695
NDUFS7	1	15.59734	20.23707	27.85463	28.87739	58.57187	36.25494	17.69926	13.24708	19.45947	80.08053	30.22766	33.34825	1.103236
NDUFS8	1	23.9722	23.69045	31.45904	38.11841	59.09071	31.61858	27.37116	17.12571	12.73166	40.14432	35.26616	25.79829	0.731531
NDUFV1	1	29.31601	33.44251	33.28955	44.1046	45.58623	31.37907	41.86699	34.65545	40.06578	90.89247	37.14778	47.77195	1.285997
NDUFV2	1	26.98524	25.83344	18.44597	19.85499	77.94426	73.22068	73.2029	59.82333	40.92948	50.40927	33.81278	59.51713	1.760196
NDUFV3	1	23.14141	23.35837	23.74542	24.06683	25.92371	11.76035	6.664951	13.24666	7.909601	9.378744	24.04715	9.79206	0.407203
NEB	1	0.558887	0.469101	2.551689	0.372742	0.133218	0.588921	0.720589	1.561527	1.046375	1.091014	0.817128	1.001685	1.225862
NEBL	1	16.9172	13.8319	23.74856	11.94049	11.08986	13.78263	18.07269	33.56799	51.38757	30.42589	15.5056	29.44735	1.899143
NECAB2	1	3.829029	1.501971	9.176494	21.158	2.666647	19.72823	4.338264	1.992318	3.196931	11.75858	7.666428	8.202865	1.069972
NECAB3	1	32.25713	33.03434	44.27452	37.99559	113.1856	17.21251	49.34048	11.84774	2.219423	37.64313	52.14944	23.65266	0.453555
NECAP1	1	48.55709	48.14255	30.86034	33.53165	49.22308	65.58944	63.85982	54.07486	29.09624	40.3032	42.06294	50.58471	1.202596
NECAP2	1	10.24824	9.236168	15.20532	16.56051	14.75501	5.748026	4.47499	5.184593	6.992007	6.14141	13.20105	5.708205	0.432405
NECTIN1	1	7.645411	6.786502	12.00489	11.19649	0.384754	5.593541	13.85902	6.172966	2.368057	6.436197	7.60361	6.885957	0.905617
NECTIN2	1	3.38756	3.000008	13.89711	22.32482	5.839755	4.768835	3.785174	5.841073	6.041533	7.146046	9.689851	5.516532	0.56931
NECTIN3	1	5.895369	9.63619	5.492794	6.957045	5.096136	3.74917	9.810833	0.870026	2.588884	0.797788	6.615507	3.56334	0.538635
NECTIN4	1	0.15211	0.166411	0.114195	0.250542	0.19349	1.343323	2.717126	0.773956	0	0.031607	0.175349	0.973203	5.550074
NEDD1	1	2.019514	2.118229	2.224901	2.060237	1.040769	7.307197	5.704842	7.604408	16.82197	4.35328	1.89273	8.35834	4.416024
NEDD4	1	0.705027	0.360438	0.478572	0.459366	0.129271	1.358685	1.457657	3.170213	6.341349	1.73027	0.426535	2.811635	6.591807
NEDD4L	1	19.84943	16.68007	12.48043	16.81961	9.433815	8.832088	14.80505	8.084244	10.44153	5.193847	15.05267	9.471351	0.629214
NEDD8	1	78.10286	71.72801	46.46311	49.25129	182.4204	280.1916	139.7498	100.5555	51.79674	111.6733	85.59314	136.7934	1.598182
NEDD9	1	1.420545	1.664089	3.264482	2.933463	4.056268	1.542315	1.39666	1.156191	1.644113	3.408199	2.667769	1.829496	0.685777
NEFH	1	39.94109	37.33128	126.0299	108.9434	34.49208	11.57491	47.69072	9.019701	24.13028	27.66277	69.34756	24.01568	0.346309
NEFL	1	227.3693	177.3122	320.2125	285.8524	85.98613	121.0998	309.6198	46.22254	57.58616	146.1616	219.3465	136.138	0.620653
NEFM	0.255256	234.8704	219.3075	289.5058	268.9676	126.5372	29.68058	92.97245	27.73203	49.50647	84.18696	227.8377	56.8157	0.249369
NEGR1	1	64.9056	74.5619	25.8275	23.37236	12.03672	14.65707	38.28532	51.82825	60.6858	46.14514	40.14082	42.32032	1.054296
NEIL1	1	2.245779	1.83168	1.875324	1.978092	6.851116	3.379919	3.290613	3.698684	5.387585	3.037828	2.956398	3.758926	1.271454
NEIL2	1	1.978997	1.27234	1.412156	1.619538	2.71176	3.742783	4.080361	5.469084	3.899821	17.13278	1.798958	6.864965	3.816078
NEIL3	1	0.221682	0.220305	0.077463	0.116843	0.312817	0.510459	0.546433	0.045834	0.366725	0.722278	0.189822	0.438346	2.309246
NEK1	1	5.087134	5.741431	4.628081	3.755769	3.085484	6.517845	8.216053	8.983795	17.24947	6.102904	4.45958	9.414014	2.110964
NEK10	1	1.925502	2.333888	0.964355	1.23565	0.795563	1.458482	1.784304	0.448994	0.636167	3.989	1.450991	1.663389	1.146381
NEK11	1	0.350937	0.263127	0.446039	0.420385	0.241985	0.406454	0.965773	0.24533	0.104094	0.071726	0.344495	0.358675	1.041164
NEK2	1	0.197374	0.26576	0.099475	0.163684	0.247204	0.198639	0.677508	7.180659	0	0	0.194699	1.611361	8.276154
NEK3	1	1.73362	1.480278	1.708388	1.983832	2.237494	3.466766	5.720457	3.697275	1.967309	3.069292	1.828722	3.58422	1.959958
NEK4	1	7.468574	8.13767	7.247241	6.298251	4.740114	7.056467	9.079399	12.51356	10.54641	6.214908	6.77837	9.082148	1.339872
NEK5	1	0.738394	0.587336	0.715163	0.822985	0.365904	1.075271	0.791347	0.564204	3.385715	0.896577	0.645956	1.342623	2.078504
NEK6	1	13.08241	14.04138	8.355255	10.61581	19.49307	17.22114	21.37545	15.38423	11.6868	12.85271	13.11759	15.70407	1.197177

NEK7	1	5.298608	4.402141	4.547216	6.129073	3.559832	9.552578	6.200041	5.923991	5.985187	3.329212	4.787374	6.198202	1.294698
NEK8	1	1.264394	1.072657	1.656833	2.061347	2.611022	3.2278	2.3198	2.008474	1.052211	1.302119	1.733251	1.982081	1.143563
NEK9	1	6.603515	5.618255	11.41584	8.250132	2.223933	7.395544	10.14734	9.979165	12.03106	9.021078	6.822335	9.714838	1.423975
NELFA	1	5.515089	4.676079	14.22951	13.1192	8.450912	6.100228	4.787532	10.18424	8.229521	15.63174	9.198158	8.98665	0.977005
NELFB	1	14.30047	14.12571	21.17856	26.34266	12.79125	6.359715	9.977106	10.21521	11.26375	9.549674	17.74773	9.473091	0.533764
NELFCD	1	24.76899	19.13905	19.45933	23.67704	27.26396	36.28138	28.80007	45.57948	24.70714	49.86431	22.86167	37.04648	1.620462
NELFE	1	12.53046	10.78867	12.42146	15.22307	25.56295	34.49329	16.27181	13.89538	17.61103	26.68973	15.30532	21.79225	1.423834
NELL1	1	4.428415	5.82108	7.46086	10.3789	2.269098	1.439463	4.465442	8.430903	2.019161	1.865524	6.071671	3.644098	0.600181
NELL2	1	102.3232	74.50989	34.46497	42.2653	45.78708	26.52425	138.7323	135.9197	63.69127	79.26573	59.8701	88.82665	1.483656
NEMF	1	17.01859	20.38099	12.04003	11.72677	5.596024	21.97021	18.75333	23.6908	21.70283	10.13828	13.35248	19.25109	1.441761
NEMP1	1	0.824322	0.634443	1.043478	0.842791	0.14248	1.071617	2.08635	3.56878	1.275719	0.794249	0.697503	1.759343	2.522346
NEMP2	1	1.034034	0.988723	1.145123	0.736186	1.237564	0.931686	0.544135	0.453804	1.071637	0.356755	1.028326	0.671603	0.653104
NENF	1	13.92019	9.016313	12.42246	13.42912	29.91676	167.8881	21.49253	13.79167	8.340361	22.86493	15.74097	46.87551	2.97793
NEO1	1	13.08994	11.22533	17.90343	20.2588	10.62221	8.456088	9.785266	17.3511	17.19692	10.96756	14.61994	12.75139	0.872191
NEPN	1	0	0	0	0	0	0	0	0	0	0.02422	0	0.004844	#DIV/0!
NEPRO	1	3.059373	3.236988	0.779865	0.786141	4.268919	4.848666	6.295933	10.77516	2.943644	9.353192	2.426257	6.84332	2.820525
NES	1	21.97881	17.28479	38.19075	33.47315	11.67115	17.31622	7.057297	4.235938	12.47076	25.5046	24.51973	13.31696	0.543112
NET1	1	39.97037	24.63462	18.68042	21.11459	22.08632	21.94214	11.39604	2.902251	3.390974	1.439317	25.29726	8.214143	0.324705
NETO1	1	7.783859	8.03485	1.980092	4.102508	6.921682	2.274441	5.267857	0.025241	0.302934	0.186704	5.764598	1.611435	0.27954
NETO2	1	8.443932	11.25883	6.397041	5.547476	6.830462	5.531546	14.51677	8.171998	6.637338	5.578916	7.695548	8.087313	1.050908
NEU1	1	3.43861	3.540604	5.632343	5.633461	8.288352	1.905393	3.760891	5.201446	4.54866	2.925307	5.306674	3.668339	0.691269
NEU2	1	0	0.021295	0.082363	0.045176	0	0	0	0	0	0	0.029767	0	0
NEU3	1	3.020272	2.54166	3.884031	3.283717	4.16874	4.188209	8.046842	9.818568	4.834704	3.817771	3.379684	6.141218	1.817098
NEU4	1.04E-07	0.390749	0.553941	2.469355	3.794399	1.331095	0	0	0.021487	0	0	1.707908	0.004297	0.002516
NEURL1	1	14.6933	13.58991	15.1151	25.70516	30.22134	16.38508	5.339928	3.418844	5.253244	10.68316	19.86496	8.21605	0.413595
NEURL1B	1	10.33201	9.49768	16.31442	26.3142	15.12081	9.279068	4.482033	2.529549	1.522564	5.212415	15.51583	4.605126	0.296802
NEURL2	1	0.26947	0.449855	1.893472	1.473635	0.731253	0.981026	0.44813	0.726709	0.666247	2.298173	0.963537	1.024057	1.06281
NEURL3	1	0.251081	0.526588	0.10967	0.103121	1.245901	0.15017	0.091463	0.074161	0.037086	1.753	0.447272	0.421176	0.941654
NEURL4	1	8.357348	7.833145	14.7649	16.47623	7.574142	16.71255	11.25796	19.16434	11.40783	16.21257	11.00115	14.95105	1.359044
NEUROD1	1	3.48999	3.022751	31.23083	1.780314	3.732093	7.197358	10.16565	252.0351	202.1696	142.8749	8.651196	122.8885	14.2048
NEUROD2	1	7.927892	10.72519	14.92888	13.33909	17.95363	9.690681	10.53732	23.7986	21.09249	64.74621	12.97493	25.97306	2.001787
NEUROD4	1	0	0	0	0	0	0	0	0	0.192372	0	0	0.038474	#DIV/0!
NEUROD6	1	17.21431	13.09571	7.216266	5.834683	19.25241	37.74089	40.1954	29.94658	0.930876	2.17014	12.52268	22.19678	1.772527
NEUROG1	1	0	0	0	0.045449	0	0	0	0	0	0	0.00909	0	0
NEUROG2	1	1.458767	0.807023	0.644917	0.721618	1.025713	2.194447	1.556178	0.564752	0.183189	0.392706	0.931607	0.978254	1.050071
NEUROG3	1	0	0	0.266342	0.225772	0	0	0	0	0	0	0.098423	0	0
NEXMIF	1	2.035326	2.623395	2.321837	2.479696	1.162071	2.431421	3.35176	4.067989	5.521645	6.151119	2.124465	4.304787	2.026292
NEXN	1	1.462446	1.147391	5.976	6.661657	0.595289	0.725064	0.417076	1.89975	3.123604	1.017212	3.168557	1.436541	0.453374
NF1	1	0.673376	4.2894	11.87991	6.289217	0.399727	1.872124	2.034547	1.22365	6.200729	3.270676	4.706326	2.920345	0.620515
NF2	1	6.244004	5.056114	7.553117	8.384777	4.274298	25.47659	11.95016	8.986741	11.07716	10.11716	6.302462	13.52156	2.145441
NFAM1	1	0.211271	0.414392	2.428461	5.008325	0.57332	0.232769	0.118142	0	0.114968	0.573015	1.727154	0.207779	0.120301
NFASC	1	22.04829	26.49802	64.86181	80.76059	18.73152	13.65325	19.61297	11.40764	9.470646	7.209225	42.58005	12.27075	0.288181
NFAT5	1	6.466064	9.115044	14.35666	12.18249	5.844867	6.234329	8.366	10.73131	17.33177	10.83323	9.593026	10.69933	1.115324
NFATC1	1	0.708307	0.702939	1.468789	1.679813	0.941642	2.340155	0.957802	0.406796	0.443842	0.481681	1.100298	0.926055	0.84164
NFATC2	0.782387	1.031461	1.046424	3.062141	3.534404	1.912351	0.523208	0.580335	0.485255	0.441205	0.210782	2.117356	0.448157	0.211659
NFATC2IP	1	2.659028	2.488853	3.662206	3.960019	0.877588	2.06853	3.206927	4.736181	2.600635	3.982154	2.729539	3.318885	1.215914

NFATC3	1	2.822118	3.412267	2.802203	2.771374	1.948402	2.992085	5.269325	10.48939	4.485059	1.922936	2.751273	5.031759	1.828884
NFATC4	1	0.675116	0.343086	1.566578	1.75896	1.099226	2.119862	0.663497	0.872399	0.218132	0.55412	1.088593	0.885602	0.813529
NFE2	1	0.038665	0.023817	0.191918	0.197901	0.019077	0	0.014939	0	0.036343	0	0.094276	0.010256	0.108791
NFE2L1	1	65.61969	53.28804	51.5499	67.19186	44.28576	37.55174	53.29262	26.59398	24.07328	25.25354	56.38705	33.35303	0.591502
NFE2L2	1	11.75295	8.670438	10.31925	12.57281	8.408986	14.16452	10.35086	10.59194	16.19829	5.1192	10.34489	11.28496	1.090874
NFE2L3	1	0.33265	0.954812	10.14066	14.10452	4.344261	0.616557	0.942487	47.15899	8.526755	12.82213	5.975381	14.01338	2.345186
NFIA	1	12.63142	13.22358	14.28014	10.76105	10.74056	10.37145	10.67864	30.62379	27.39548	21.06673	12.32735	20.02722	1.624616
NFIB	1	20.96308	23.33615	13.94063	13.14901	13.06036	15.32076	10.40058	35.36834	49.12212	27.63892	16.88984	27.57015	1.63235
NFIC	1	10.71536	13.06931	24.35367	24.87607	5.683986	11.27426	9.768005	5.776617	7.939462	21.6566	15.73968	11.28299	0.71685
NFIL3	1	2.314709	2.500361	4.784719	3.115895	4.222585	4.942685	5.790505	9.743637	12.08627	9.523028	3.387654	8.417225	2.484677
NFIX	1	30.80763	39.26992	45.17313	40.00314	11.1847	18.68716	27.43704	53.31928	39.60988	61.68241	33.28771	40.14715	1.206066
NFKB1	1	3.384752	3.546169	2.703919	2.523643	2.628186	4.336938	3.490131	3.870663	3.664761	2.688812	2.957334	3.610261	1.220782
NFKB2	1	1.250596	0.836233	2.419794	2.365391	1.756392	2.267708	2.144612	2.027147	4.111595	2.051554	1.725681	2.520523	1.460596
NFKBIA	1	17.70837	21.77458	11.65957	17.27283	50.67409	24.69635	13.16775	13.95163	5.790922	11.27172	23.81789	13.77568	0.578375
NFKBIB	1	2.54872	3.363995	5.566305	7.556412	7.002843	3.167843	3.452637	2.387795	3.046941	11.75718	5.207655	4.76248	0.914515
NFKBID	1	0.910467	0.525356	1.712658	0.859777	2.813362	1.599851	0.9038	2.043891	0.515342	0.839606	1.364324	1.180498	0.865262
NFKBIE	1	3.207754	3.727705	6.824819	6.532332	5.391353	6.335824	6.662398	3.182389	3.530558	12.72885	5.136793	6.488004	1.263046
NFKBIL1	1	4.989207	5.183077	4.986834	7.836515	7.993316	7.647825	3.105336	5.340668	5.252913	13.39902	6.19779	6.949152	1.121231
NFKBIZ	1	1.361399	1.06531	2.025083	2.028884	0.523614	0.813444	1.469231	7.009214	2.382925	0.837525	1.400858	2.502468	1.786382
NFRKB	1	3.891315	3.267493	4.366539	4.914583	4.522921	2.629436	2.312038	3.214979	2.615349	2.730318	4.19257	2.700424	0.644097
NFS1	1	13.88937	11.95511	9.322875	11.03794	20.59667	26.30734	31.1443	20.52549	32.14573	42.47192	13.36039	30.51896	2.284286
NFU1	1	46.32738	40.06667	15.54442	23.3436	86.39991	92.41016	63.88427	38.98963	28.18148	39.22833	42.33639	52.53878	1.240984
NFX1	0.101413	8.940898	9.380628	8.999676	7.467256	10.49123	43.52315	53.71716	88.71115	20.76081	32.13344	9.055937	47.76914	5.274898
NFXL1	1	2.189392	2.680144	2.60557	2.1514	1.427302	5.48274	7.078475	17.39504	12.60052	7.442494	2.210762	9.999854	4.523262
NFYA	1	4.241604	4.197963	4.18144	4.078907	2.717714	4.28539	4.581707	6.409833	4.415967	4.357886	3.883526	4.810157	1.238606
NFYB	1	5.446696	6.5176	2.678428	2.15325	8.744338	12.86786	8.508006	9.850565	12.33831	8.744423	5.108062	10.46183	2.048102
NFYC	1	8.673901	9.099865	8.771645	8.20692	18.16528	8.88131	11.79355	15.64331	17.61144	26.22571	10.58352	16.03106	1.514719
NGB	1	2.965402	1.813958	3.418059	5.723048	2.905907	34.27095	3.763294	0.425773	1.490422	1.026977	3.365275	8.195484	2.435309
NGDN	1	13.84029	14.25855	12.46123	10.48156	26.04684	29.77324	14.38683	19.08851	15.47942	18.14028	15.4177	19.37365	1.256586
NGEF	1	34.92902	32.55166	14.27575	34.70321	27.84131	17.6169	32.79793	11.68654	1.870119	7.500171	28.86019	14.29433	0.495296
NGF	1	0.924339	0.854068	0.305867	0.536853	2.888404	3.078324	0.654724	0.108586	0.579212	0	1.101906	0.884169	0.8024
NGFR	1	2.191665	0.133272	1.300949	1.050153	0.777744	0.264685	0.143298	8.583491	0.406722	0.065392	1.090757	1.892718	1.735234
NGLY1	1	12.89854	11.48549	8.269376	7.704962	8.018664	14.67285	26.89766	36.17715	13.78378	14.10787	9.675407	21.12786	2.183666
NGP	1	0	0	0	0	0	0	0	0	0.787219	0.196883	0	0.196821	#DIV/0!
NGRN	1	89.39425	85.06965	55.05819	68.24789	92.92767	58.25448	34.08238	27.45769	33.45011	46.10091	78.13953	39.86911	0.51023
NHEDC1	1	0.224383	0.228058	0	0.134394	0	0.939417	2.145614	2.841539	3.015949	0.1492	0.117367	1.818344	15.49281
NHEJ1	1	1.693358	1.550138	1.232743	1.336942	2.402045	3.423915	2.916804	9.018011	3.780157	4.84082	1.643045	4.795941	2.918935
NHLH1	1	0.319237	0.577437	0.602666	0.887974	1.45363	0	0	3.985411	0.041958	0.080951	0.768189	0.821664	1.069612
NHLH2	1	0.087461	0.039508	1.935591	0.747356	0.094937	0.366171	0.867305	11.52799	10.15817	11.45674	0.580971	6.875274	11.83412
NHLRC1	1	0.62293	0.913472	1.543203	1.124875	1.110132	1.994924	1.047102	1.7541	1.201613	1.870114	1.062922	1.573571	1.480419
NHLRC2	1	0.804028	1.773157	2.43516	2.035315	0.555759	0.774066	0.781728	0.754732	4.332991	1.784185	1.520684	1.68554	1.10841
NHLRC3	1	2.878821	2.064171	1.896149	1.724261	0.537345	4.902368	10.87529	20.72613	6.41757	7.748051	1.82015	10.13388	5.567609
NHLRC4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NHP2	1	25.72164	22.65021	11.64741	16.93426	72.36218	32.58411	30.582	8.639257	18.07253	16.2039	29.86314	21.21636	0.710453
NHS	1	1.821614	1.162846	1.557949	0.877418	0.875729	1.788845	2.634696	2.271623	2.250003	1.267015	1.259111	2.042436	1.622126
NHSL1	1	1.100791	0.629798	1.679675	0.973691	0.806144	0.820246	1.339963	1.526089	2.30831	2.020747	1.03802	1.603071	1.544355

NHSL2	1	3.157517	2.869501	3.563693	3.616053	3.018205	6.594102	2.575965	12.73257	13.74546	6.338323	3.244994	8.397286	2.587766
NICN1	1	14.59123	13.84454	18.21556	18.3944	33.29407	49.87749	32.54767	18.17991	18.70778	20.05742	19.66796	27.87405	1.417232
NID1	1	3.745218	2.194825	5.926904	6.447713	2.352775	5.363842	2.356015	2.349022	2.549309	2.614622	4.133487	3.046562	0.737044
NID2	1	3.826408	0.884293	1.445678	1.614908	0.44908	1.668737	0.626115	0.92841	1.439767	0.986321	1.644073	1.12987	0.687238
NIF3L1	1	5.870085	5.498722	5.261402	6.347533	5.555368	3.995386	4.229981	3.668494	3.917527	3.534704	5.706622	3.869218	0.678023
NIFK	1	8.956132	10.39259	7.998258	8.450624	13.95171	29.85453	36.54115	38.46646	25.85031	25.52242	9.949861	31.24697	3.140443
NIM1K	1	8.972014	8.605511	5.412659	7.26783	14.67377	6.14817	7.899611	3.7433	2.995075	2.742124	8.986356	4.705656	0.523645
NIN	1	4.13327	6.798891	4.938417	4.98136	2.444469	7.128317	8.287521	7.812226	13.51079	7.495498	4.659281	8.84687	1.898763
NINJ1	1	2.040352	1.505883	2.385916	2.829027	7.760303	7.398813	1.775225	2.159095	3.986601	22.62054	3.304296	7.588056	2.296421
NINJ2	1	1.31249	1.226283	2.392126	3.857038	3.382302	0.09883	0	0	0	0.015696	2.434047	0.022905	0.00941
NINL	1	3.331302	1.569201	1.964756	1.73386	1.655732	0.139843	0.113564	1.162521	1.818861	0.821776	2.05097	0.811313	0.395575
NIP7	1	4.090809	4.368417	3.218311	3.254645	0.874759	2.329635	6.001757	3.312573	1.944188	3.597902	3.161388	3.437211	1.087247
NIPA1	1	11.84174	15.62247	12.87575	12.39375	9.068357	9.30431	20.86079	11.87136	10.62046	4.981771	12.36041	11.52774	0.932634
NIPA2	1	12.32268	12.54977	9.211327	10.47378	15.62546	12.25284	15.38968	28.54672	22.23841	14.88844	12.0366	18.66322	1.550539
NIPAL1	1	0.115044	0.06496	0.125625	0.034453	0	0	0.305578	0	0.297367	0	0.068016	0.120589	1.772942
NIPAL2	1	1.614695	1.650213	0.949424	1.290948	2.587415	5.200142	1.653471	2.379227	6.817666	9.807517	1.618539	5.171604	3.19523
NIPAL3	1	34.13536	29.05626	32.74855	36.70707	25.24542	20.12328	29.64926	19.11694	40.67736	31.87793	31.57853	28.28896	0.895829
NIPAL4	1	0.41248	1.014181	2.200785	3.339913	0.722608	0.710439	0.643505	0.310363	0.485857	0.373218	1.537993	0.504676	0.32814
NIPBL	1	5.401497	6.882535	8.753161	7.596204	2.689426	6.557733	7.64118	11.81068	12.45528	5.740936	6.264565	8.841163	1.411297
NIPSNAP1	1	57.52164	49.16986	41.79248	45.84601	95.22379	47.50185	28.29724	22.71623	14.0654	38.15509	57.91076	30.14716	0.52058
NIPSNAP2	1	31.13034	30.92856	21.56843	18.68455	42.27674	42.49963	44.25233	48.46574	62.58757	45.12327	28.91772	48.58571	1.680136
NIPSNAP3A	1	7.074989	5.771164	3.984188	3.60016	16.37485	16.52388	25.57022	28.71184	46.85245	13.97711	7.36107	26.3271	3.576531
NISCH	1	21.19005	17.77603	33.88757	40.41355	20.01316	77.80822	35.25275	50.00897	25.1377	38.44546	26.65607	45.33062	1.700574
NIT1	1	2.031364	2.116765	3.670128	5.054748	7.015849	15.99451	11.16416	17.03845	5.584844	6.277786	3.977771	11.21195	2.818652
NIT2	1	7.325057	5.650034	5.771477	6.361998	13.01978	15.97827	13.30281	14.02433	5.172847	5.928405	7.625669	10.88133	1.426935
NKAIN1	1	0.392931	0.395205	5.430457	0.956089	0.849697	2.570422	1.826473	4.696725	0.603046	0.612359	1.604876	2.061805	1.284713
NKAIN2	1	18.06182	18.98977	25.68488	40.31174	33.09987	39.49857	20.27113	19.64376	23.90086	8.562061	27.22962	22.37528	0.821726
NKAIN3	1	1.697093	1.614423	5.459157	3.164572	1.077607	1.115649	1.474471	0.226864	0.540231	0.270996	2.60257	0.725642	0.278818
NKAIN4	1	0	0	0	0	0	0.234574	0	0	0	0.074511	0	0.061817	#DIV/0!
NKAP	1	8.424024	8.541782	5.953645	6.107293	4.386054	7.113737	5.47623	14.5624	12.10982	8.493746	6.682559	9.551187	1.429271
NKAPD1	1	6.600181	6.477959	3.587179	3.706462	4.96157	7.49175	6.532216	5.491207	7.063005	4.208324	5.06667	6.157301	1.215256
NKAPL	1	3.2623	3.325955	1.8554	2.109989	0.983646	0.11856	0.409194	0.219563	0.878381	0.451919	2.307458	0.415523	0.180078
NKD1	1	2.424936	1.304045	2.503875	3.151824	1.365337	5.352449	2.313532	0.895301	2.515736	3.921364	2.150003	2.999676	1.395196
NKD2	4.67E-08	33.84146	39.12457	39.79029	54.36585	51.30377	1.387766	1.441874	1.128793	1.007998	7.480893	43.68519	2.489465	0.056986
NKG2A	1	0	0	0	0	0	1.110582	0.112736	0	0	0	0	0.244664	#DIV/0!
NKG2C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NKG7	1	0.454376	0.415391	0.590678	0.479497	1.291743	0.113233	0	0	0.391493	0.017984	0.646337	0.104542	0.161745
NKIRAS1	1	11.252	13.54688	8.900569	9.36788	21.13908	8.695101	11.68232	6.767009	5.328952	14.77857	12.84128	9.45039	0.735938
NKIRAS2	1	3.771744	3.132656	5.038224	5.501461	8.103725	5.629069	4.826904	6.419321	2.780282	4.152484	5.109562	4.761612	0.931902
NKPD1	1	0.077412	0.045612	0.095559	0.254004	0.109602	0.158527	0.107281	0.687188	0.60899	0.3357	0.116438	0.379537	3.25957
NKRF	1	12.44817	13.71848	1.13066	1.517183	6.974308	6.289562	13.36829	8.613336	0.860264	1.260176	7.157761	6.078326	0.849194
NKTR	1	17.43314	18.40253	13.13889	11.89723	8.58353	14.55127	15.20144	31.96239	26.84818	19.87262	13.89106	21.68718	1.561233
NKX1-1	1	0	0	0.055465	0.030423	0	0	0	0	0	0	0.017178	0	0
NKX1-2	1	0.028327	0	0.024746	0.040719	0	0.088947	0.601937	0.087852	0.263594	0.056507	0.018759	0.219767	11.71559
NKX2-1	1	0.070187	0.066052	0.242702	0.147134	0.269825	0.061219	0.049715	0	0.030237	0.029169	0.15918	0.034068	0.21402
NKX2-2	1	1.423601	1.306778	3.84064	3.228259	1.694017	4.422295	2.280944	3.482467	3.69943	2.201984	2.298659	3.217424	1.399696

NKX2-3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NKX2-4	1	0	0.078553	0.075957	0.083324	0	0	0	0	0	0	0.047567	0	0
NKX2-5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NKX2-6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NKX2-8	1	0	0	0.834387	0.939403	0.109133	0	0	0	0	0.133705	0.376585	0.026741	0.071009
NKX3-1	1	0.062226	0.025553	0.074127	0.040658	0.107457	0	0.096165	0.02924	0	0.075229	0.062004	0.040127	0.647163
NKX3-2	1	0	0.064077	0.289141	0.475778	0	0	0	0	0	0	0.165799	0	0
NKX6-1	1	0.051174	0.038527	0.521557	0.429108	0.09258	0.08927	0.217485	0.044085	0	0.283561	0.226589	0.12688	0.559958
NKX6-2	1	0.532731	1.59476	5.79885	9.319091	0.986718	0.575292	0.359373	0.131125	0.524576	1.054258	3.64643	0.528925	0.145053
NKX6-3	1	0.037127	0.089845	0.486501	0.114362	0.172714	0	0	0	0	0	0.18011	0	0
NLE1	1	1.552139	1.659355	2.395466	2.032832	3.453836	9.097594	6.090707	9.065797	10.4312	12.53964	2.218725	9.444986	4.256942
NLGN1	1	7.813016	7.272036	3.462374	3.500175	2.413231	2.382367	9.268473	3.686872	8.264174	4.813244	4.892166	5.683026	1.161658
NLGN2	1	21.28689	18.52321	34.12132	38.55866	25.61704	21.89496	18.12652	16.85936	15.69987	115.5955	27.62143	37.63525	1.362538
NLGN3	1	19.53155	17.71712	27.04546	34.40229	23.30457	16.28225	29.6755	22.3656	18.86648	21.22935	24.4002	21.68384	0.888675
NLGN4X	1	20.418	17.14199	12.74598	13.35606	9.843855	2.164437	7.445829	4.802594	8.982974	5.418994	14.70118	5.762966	0.392007
NLK	1	27.98918	29.04635	10.86595	15.88026	23.54932	34.53179	62.69924	13.83569	13.80194	8.002399	21.46621	26.57421	1.237955
NLN	1	3.755298	4.841051	4.997592	4.793083	4.815228	4.735037	7.858488	4.642678	3.723765	2.029744	4.64045	4.597942	0.99084
NLRC3	1	0.028031	0.031656	0.076524	0.058762	0.057051	0	0	0	0.036228	0.023299	0.050405	0.011905	0.236194
NLRC4	1	0.226338	0.220749	0.595422	0.560743	0.027918	1.965192	0.349786	0.425423	2.606096	0.367698	0.326234	1.142839	3.503125
NLRC5	1	0.13671	0.180604	0.146468	0.139045	0.202993	0.026998	0.120586	0.099996	0.480051	0.214394	0.161164	0.188405	1.169027
NLRP1	1	0.308998	0.422233	0.620852	0.595936	0.075467	0	0	0	0.191689	0.010273	0.404697	0.040392	0.099809
NLRP10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NLRP12	1	0.008431	0.004761	0.018414	0.0202	0	0	0	0	0	0	0.010361	0	0
NLRP13	0.342701	0.12899	0.252492	0.056342	0.103011	0.070007	0	0	0	0	0	0.122168	0	0
NLRP14	1	0.005354	0	0	0	0	0.028018	0.011376	0.041509	0.083031	0.026699	0.001071	0.038127	35.60752
NLRP2	0.998332	0	0	0	0	0	0	0.142573	0.086701	0	0	0	0.045855	#DIV/0!
NLRP3	1	0.212664	0.26518	0.493478	0.62095	0.28855	1.437547	1.892332	0.858778	1.671997	0.10311	0.376164	1.192753	3.170829
NLRP5	1	0	0.023959	0	0	0.057571	0.027757	0	0	0	0	0.016306	0.005551	0.340448
NLRP6	1	0	0	0.007755	0	0	0	0	0.045886	0.018357	0.011806	0.001551	0.01521	9.806275
NLRP8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NLRP9	1	0	0	0	0	0	0.030439	0	0	0	0	0	0.006088	#DIV/0!
NLRX1	1	1.236099	1.037294	2.01669	1.802609	1.803137	2.019936	1.048582	1.098547	2.980401	6.546148	1.579166	2.738723	1.734285
NMB	1	1.250165	1.155124	1.613365	2.008098	4.703288	0.297387	0.664134	0.807745	2.643913	12.61084	2.146008	3.404803	1.586576
NMBR	1	0.455132	0.31746	0.05847	0.224494	0.217955	0	0	0	0.484414	0.155767	0.254702	0.128036	0.502689
NMD3	1	15.88805	16.18896	11.97435	9.655017	8.636973	6.440042	11.52758	17.76678	16.68688	15.55114	12.46867	13.59449	1.090292
NME1	1	15.04162	12.51543	10.90084	12.91073	33.42578	90.22878	88.94905	40.75453	25.89076	43.20185	16.95888	57.80499	3.408538
NME2	1	13.72119	8.845303	10.17614	12.05346	75.3229	91.70415	13.36355	12.04218	9.753369	21.19355	24.0238	29.61136	1.232584
NME3	1	3.517105	4.075727	7.128975	7.517525	5.489513	1.924827	0.39078	0.831743	5.823045	23.42462	5.545769	6.479003	1.168279
NME4	0.735262	4.626777	3.926514	12.1376	9.182653	26.7827	3.00877	0.349053	2.087281	3.042919	3.208479	11.33125	2.3393	0.206447
NME5	1	2.368426	2.131384	0.686979	0.908766	4.217804	1.355676	0.982966	0.382566	0.765244	0.338346	2.062672	0.76496	0.370859
NME6	1	1.650741	1.707911	1.597493	2.119501	4.586862	1.500162	0.609129	0.791938	2.555009	2.11968	2.332502	1.515184	0.649596
NME7	1	8.101902	6.000016	3.180337	3.129352	8.837469	7.389963	9.770813	4.744327	7.619403	4.239946	5.849815	6.75289	1.154377
NME8	1	0.004876	0.104615	0	0.023362	0	0	0.01036	0	0	0	0.026571	0.002072	0.077984
NME9	1	0.445113	0.291872	0.56445	1.014796	1.052033	0.976854	0.091533	0.074217	1.855703	2.959703	0.673653	1.191602	1.768867
NMI	1	3.05443	1.812019	1.731019	1.505237	4.773883	4.906737	3.327414	2.098405	1.848864	0.690923	2.575318	2.574469	0.99967
NMNAT1	1	6.515712	7.959956	1.983786	1.933047	7.11942	1.460621	1.71452	2.321331	1.600246	1.585889	5.102384	1.736522	0.340335

NMNAT2	1	25.92527	25.98372	27.09184	24.10753	25.23966	17.91613	31.75585	39.47681	25.7854	38.8889	25.6696	30.76462	1.198484
NMRAL1	1	14.26991	6.701468	13.57048	12.43603	34.96525	12.23594	8.316505	10.50893	15.10878	32.25513	16.38863	15.68506	0.957069
NMRK1	1	4.04373	4.059207	2.411098	1.691541	2.246925	2.015444	1.936772	1.343673	2.555009	0.92828	2.8905	1.755836	0.60745
NMRK2	1	5.500225	5.915654	1.009435	1.882482	19.52479	6.04716	8.381097	1.911263	2.469074	5.327136	6.766517	4.827146	0.713387
NMS	1	0	0	0	0.063107	0	0	0	0	0	0	0.012621	0	0
NMT1	1	23.89219	26.10857	22.68333	21.8765	10.66196	29.50975	44.97187	38.21936	24.35487	28.57432	21.04451	33.12603	1.574094
NMT2	1	24.20456	22.08732	5.788864	7.332953	19.40263	4.869475	11.9283	7.688893	5.886182	4.121296	15.76327	6.898829	0.437652
NMU	1	0	0	0.397256	0.57197	0.185103	0.475964	0.91799	1.469071	0.8228	3.439501	0.230866	1.425065	6.172695
NMUR1	1	0	0	0.04856	0.004439	0	0.116361	0.015749	0.028732	0.057473	0	0.0106	0.043663	4.11925
NMUR2	1	0	0	0.038477	0.021105	0	0.276604	0.112313	0.318731	0	0.058574	0.011916	0.153244	12.85999
NNAT	1	147.0449	24.79191	4.130945	7.457538	74.24501	291.7418	87.63396	49.42343	28.48805	13.7408	51.53406	94.2056	1.828026
NNT	1	24.74141	23.65081	19.60097	18.15399	11.25509	19.29586	27.9229	13.2757	23.26375	20.37289	19.48045	20.82622	1.069083
NOA1	1	4.851327	3.055739	4.668142	3.50984	2.194151	7.373582	11.39755	8.151755	8.939266	13.10818	3.65584	9.794066	2.679019
NOB1	1	9.212448	9.416906	9.117442	11.26813	19.34977	21.28318	25.67343	21.24414	7.361245	20.85523	11.67294	19.28344	1.651978
NOBOX	2.66E-13	0.986391	1.203052	2.843595	2.847635	2.16816	0	0.01048	0	0	0	2.009767	0.002096	0.001043
NOC2L	1	15.33797	12.13155	11.35947	13.71799	19.84873	7.191695	6.688037	7.332273	7.486117	23.20014	14.47914	10.37965	0.716869
NOC3L	1	4.445217	4.568282	3.071674	3.949235	3.799187	4.558117	6.429767	5.302343	6.036879	4.343571	3.966719	5.334135	1.344722
NOC4L	1	3.796135	3.54008	5.597291	7.493665	8.992747	3.893963	3.65998	2.101063	4.950682	6.173011	5.883984	4.15574	0.70628
NOCT	1	7.366638	7.161206	5.991425	8.662831	10.61774	7.296172	13.55128	6.415958	7.207378	9.688993	7.959967	8.831956	1.109547
NOD1	1	1.438453	2.229813	0.808543	0.840769	1.454652	1.029284	1.032538	0.538205	0.358856	0.538498	1.354446	0.699476	0.51643
NOD2	1	0.33817	0.188939	0.699678	0.818711	0.289794	0.093145	0.052949	0.036799	0.202425	0.011835	0.467058	0.079431	0.170066
NODAL	1	0	0	0.078803	0	0	0.566493	0.191683	0.373011	0.652865	0	0.015761	0.35681	22.63954
NOG	1	5.185484	5.217161	3.521013	3.896404	8.468604	4.489996	5.349171	5.653034	3.752991	8.525968	5.257733	5.554232	1.056393
NOL10	1	12.38665	10.31202	6.651702	7.938653	6.732139	3.260979	5.123128	7.344682	10.50683	10.90041	8.804232	7.427206	0.843595
NOL11	1	7.580923	8.991391	7.254882	5.722488	5.871845	5.861305	13.03297	13.07477	18.19706	11.23417	7.084306	12.28005	1.733417
NOL12	1	3.889531	4.345408	4.27763	5.491254	6.182161	6.760832	2.715662	2.22586	5.314117	12.86212	4.837197	5.975719	1.235368
NOL3	1	3.72046	2.78982	7.2153	6.453324	7.632655	6.386286	1.992259	2.076908	2.07721	6.506247	5.562312	3.807782	0.684568
NOL4	1	13.3734	11.71841	7.37718	6.825726	8.494189	8.552073	10.8427	10.18291	8.915959	9.250397	9.557781	9.548807	0.999061
NOL4L	1	5.637618	6.136407	9.292011	12.14043	9.004144	10.27559	7.851197	8.248613	8.896726	6.382126	8.442122	8.330851	0.986819
NOL6	1	2.973226	2.634848	4.022307	4.699346	5.210815	7.887989	11.08275	13.65001	3.757235	2.155477	3.908108	7.706692	1.971975
NOL7	1	22.71554	26.08797	22.98885	29.49456	63.6789	59.22664	22.62627	24.21664	29.25293	43.62721	32.99316	35.78994	1.084768
NOL8	1	8.729424	8.048517	5.652046	6.373012	3.446235	7.275046	5.320556	9.898131	17.10679	9.942746	6.449847	9.908654	1.536262
NOL9	0.203538	5.416708	5.49538	6.865208	4.776065	0.843395	2.462971	5.660769	5.875063	2.892053	4.87122	4.679351	4.352415	0.930132
NOLC1	1	12.28177	11.5775	9.034107	10.57955	11.3063	10.06522	17.2719	10.01843	9.060885	15.1209	10.95584	12.30747	1.12337
NOM1	1	6.214681	6.219866	7.197224	9.705206	5.043908	3.103156	4.519078	6.247772	2.829591	3.611067	6.876177	4.062133	0.590755
NONO	1	19.68133	18.14341	16.13166	15.01185	34.70553	22.25087	18.1415	41.10167	33.63512	54.26938	20.73476	33.87971	1.633958
NOP10	1	7.339875	8.180752	5.31543	5.716202	15.75759	28.75047	15.43397	7.842043	2.542843	4.003392	8.461969	11.71454	1.384376
NOP14	1	8.846827	7.771986	8.678234	10.72978	8.626482	9.040163	7.083364	10.35518	7.189765	8.660524	8.930662	8.465799	0.947948
NOP16	1	20.19053	16.99688	4.688977	7.144125	41.37239	29.16817	23.73307	13.67587	9.865995	8.976677	18.07858	17.08395	0.944983
NOP2	1	5.740336	5.214261	5.844389	6.851398	9.444259	10.70303	11.24036	24.38552	5.806068	18.28951	6.618928	14.0849	2.127973
NOP53	0.149862	8.645555	11.77685	17.97481	19.63046	11.2004	50.80479	20.44723	74.60605	88.18936	147.5342	13.84561	76.31633	5.511949
NOP56	1	35.57599	33.27002	18.16732	18.65127	66.91687	43.0682	38.18697	50.91268	29.41823	30.87521	34.51629	38.49226	1.115191
NOP58	1	15.60785	17.67006	8.530249	7.760657	10.40882	18.56387	16.66578	21.98219	19.95007	12.00075	11.99553	17.83253	1.486598
NOP9	1	3.435635	2.769916	4.235106	4.518593	4.205044	7.136314	5.324886	6.430557	5.218435	9.140818	3.832859	6.650202	1.73505
NOS1	1	5.996255	3.710832	4.123295	2.983316	1.361681	1.027569	1.372955	1.765259	0.954333	2.072784	3.635076	1.43858	0.39575
NOS1AP	1	8.814374	14.0343	7.060053	8.187	0.516026	1.990316	8.342976	7.285054	3.296099	6.452276	7.722351	5.473344	0.708767

NOS2	1	0.175914	0.331101	0.128063	0.205709	0.386444	0.920614	1.192625	0.422165	0.064958	0.153176	0.245446	0.550707	2.243702
NOS3	1	0.651198	0.70382	3.228288	4.230545	0.954038	7.75671	3.242931	1.806886	2.209885	2.762722	1.953578	3.555827	1.820161
NOSIP	1	6.700289	6.067289	8.412387	10.8835	14.22332	3.514561	4.36319	4.448829	4.988202	6.480125	9.257356	4.758981	0.514076
NOSTRIN	1	2.14473	1.156477	1.519137	1.481317	4.247095	13.9037	2.442954	3.670321	3.19639	5.187288	2.109751	5.68013	2.692322
NOTCH1	1	2.481847	2.282708	9.051622	8.952879	1.136997	1.876639	1.447788	0.687757	3.795412	2.632264	4.781211	2.087972	0.436704
NOTCH2	1	7.184941	3.013109	8.563477	6.604883	2.844264	3.689541	12.09368	4.680871	7.456949	3.02496	5.642135	6.189201	1.096961
NOTCH3	1	3.220443	1.840753	8.211467	7.556731	3.173884	13.88447	3.547635	2.728278	4.62793	4.410316	4.800656	5.839727	1.216444
NOTCH4	1	0.972827	1.551364	3.569599	3.919179	3.925662	8.861778	1.793169	1.37666	1.086995	1.659106	2.787726	2.955541	1.060198
NOTO	1	0.286433	0.455799	0.056869	0.257337	0.918609	0	0.387326	0.067297	0	0.021643	0.395009	0.095253	0.241142
NOTUM	1	0.296491	0.146488	0.647526	1.087694	0.176002	0.096977	0.078754	1.340964	0.526884	0.246434	0.47084	0.458003	0.972735
NOV	1	104.5862	3.420864	5.344707	3.81961	7.636117	10.88828	23.27427	4.07918	57.57013	22.58023	24.96151	23.67842	0.948597
NOVA1	1	17.83213	24.64279	9.418302	10.79673	7.84079	14.21825	5.544109	7.355949	17.27785	16.66744	14.10615	12.21272	0.865773
NOVA2	1	13.06893	14.4363	11.35195	17.32472	6.572146	10.3428	8.326393	5.550588	7.26406	14.75548	12.55081	9.247864	0.736834
NOX1	1	0.016757	0.028386	1.235167	1.19438	0	0.175394	0.106826	0.335642	4.179888	1.685314	0.494938	1.296613	2.619747
NOX3	1	0	0.049875	0.048227	0	0	0	0.093847	0	0.114157	0	0.01962	0.041601	2.120289
NOX4	1	0.189657	0.153771	0.212412	0.227189	0.211145	0.585342	0.558015	0.94261	0.377099	0.234434	0.198835	0.5395	2.71331
NOX5	1	0.064975	0.020965	0.033786	0.014825	0	0	0.019724	0	0.367888	0.344604	0.02691	0.146443	5.441896
NOXA1	1	1.528492	1.41555	3.846399	3.269138	3.415855	0.221428	0.044955	0.12302	0.683542	1.890262	2.695087	0.592641	0.219897
NOXO1	1	0.099799	0.077484	0.231579	0.343701	0.372379	0.032642	0	0.096722	0.419188	0.103687	0.224988	0.130448	0.579798
NOXRED1	1	0	0	0	0.087824	0	0.063947	0.077895	0.347378	0.063169	0.284373	0.017565	0.167352	9.527745
NPAS1	1	0.883806	1.054797	0.855429	1.576028	1.744261	1.47167	0.512194	0.363387	0.62304	6.961913	1.222864	1.986441	1.624416
NPAS2	1	5.422222	4.747399	4.145775	7.724948	8.000978	24.43071	14.4972	1.391774	1.461575	2.495369	6.008264	8.855326	1.473858
NPAS3	1	5.229311	4.565953	4.303621	4.186292	3.850507	5.273096	5.230782	3.856679	9.346389	3.281025	4.427137	5.397594	1.219207
NPAS4	1	0.727589	1.033507	0.831755	0.7422	4.565884	0.356973	4.046405	1.821648	1.410514	2.872551	1.580187	2.101618	1.329981
NPAT	1	4.553788	5.964035	9.144241	9.602955	3.137873	5.351913	7.734652	9.49554	11.79482	11.86901	6.480579	9.249187	1.427216
NPB	1	0	0.344868	0	0.365813	0	0	0	0	0	0.423036	0.142136	0.084607	0.595255
NPBWR1	1	0.018856	0	0.082363	0.496933	0.05117	0	0	0	1.364724	2.727056	0.129864	0.818356	6.301622
NPBWR2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NPC1	1	9.042162	13.81509	39.65709	56.93735	7.537264	17.26963	16.89216	13.90661	11.02788	5.174401	25.39779	12.85414	0.506112
NPC1L1	0.000427	0	0	0.010603	0.014539	0	0.127034	0.221799	0.12547	1.217237	1.585821	0.005028	0.655472	130.3559
NPC2	1	25.05275	18.96166	23.5031	21.33312	43.08328	70.73237	59.55527	50.51194	65.86351	22.83318	26.38678	53.89925	2.042661
NPDC1	1	25.71342	22.43352	34.07965	35.57323	39.71176	7.387979	4.740799	5.244723	14.40065	46.68346	31.50232	15.69152	0.498107
NPEPL1	1	2.092482	1.704496	3.633443	3.328397	2.466806	1.077112	1.275612	1.728755	4.832351	7.655337	2.645125	3.313833	1.252808
NPEPPS	1	57.19689	54.92668	42.42284	49.20415	39.28301	53.22843	65.85829	52.50774	63.56666	49.54781	48.60671	56.94179	1.17148
NPFF	1	0	0.095753	0.277766	0.203138	0.690273	1.55306	0	26.18648	6.574968	4.15798	0.253386	7.694497	30.36672
NPFFR1	1	0	0	0.04661	0.051131	0.057915	0.111689	0.04535	0.275785	0	0.337035	0.031131	0.153972	4.945919
NPFFR2	1	2.112135	0.644661	0.512536	0.402691	0.705698	0	0.026956	0.049177	0.163949	0.010544	0.875544	0.050125	0.05725
NPHP1	1	4.238855	3.751568	3.106782	4.599971	2.85619	4.066583	5.110864	7.267967	5.526159	2.146039	3.710673	4.823522	1.299905
NPHP3	1	2.000978	2.121662	3.786914	4.516456	1.623761	2.188634	3.069353	4.273483	7.068072	6.433328	2.809954	4.606574	1.639377
NPHP4	1	1.117107	1.520392	1.850821	1.875753	1.432104	1.189397	0.990446	0.895996	0.925998	1.283895	1.559235	1.057146	0.67799
NPHS1	1	0.075968	0.066726	0.230431	0.121335	0.24051	0.220869	0.143491	0.054537	0.916358	0.575292	0.146994	0.382109	2.599493
NPHS2	1	0.032606	0.147287	0	0.292936	0.442406	0	0.277142	0.33707	6.658106	0.35231	0.183047	1.524926	8.330789
NPL	1	1.137539	0.713683	0.765378	1.211245	0.748341	5.98318	1.599267	1.425408	1.930521	0.315162	0.915237	2.250707	2.459152
NPLOC4	1	17.7153	15.58673	20.5234	24.39568	26.77259	34.58896	23.57027	23.40845	12.84566	21.82123	20.99874	23.24692	1.107063
NPM1	1	2.332615	1.716016	7.597843	8.526377	19.1707	33.55274	27.04936	34.03524	14.67725	20.73953	7.868711	26.01083	3.305602
NPM2	0.526277	0.895799	0.767444	0.843271	0.518035	1.3831	8.48691	2.198902	3.79204	1.277505	16.43163	0.88153	6.437397	7.30253

NPM3	1	1.585941	1.484655	0.729186	2.24975	6.795351	40.18826	22.70346	5.608849	8.84601	12.2799	2.568977	17.9253	6.977602
NPNT	1	8.992398	6.932611	3.318068	4.788274	6.982984	7.07076	8.303335	1.680723	5.071884	1.807969	6.202867	4.786934	0.771729
NPPA	1	0.040917	0.092416	0	1.76451	0	1.284791	18.43265	0	0	4.625198	0.379568	4.868528	12.82648
NPPB	1	0	0	0	0	0	0	0	0.083256	0.832679	2.891741	0	0.761535	#DIV/0!
NPPC	1	0.288154	0.28713	2.961495	3.126909	0.873951	4.346605	1.296664	0.481877	4.556587	1.775149	1.507528	2.491376	1.652624
NPR1	1	0.536175	0.438853	0.633836	1.090109	0.213578	0.695059	0.574899	7.894754	5.441943	12.91979	0.58251	5.505288	9.450972
NPR2	1	9.338126	10.04343	17.14742	12.31409	13.46293	9.673509	6.873735	17.65535	7.324598	8.109396	12.4612	9.927317	0.796658
NPR3	1	1.103359	0.923781	0.415464	0.282002	0.632386	0.049778	0.080848	0.012291	0.135223	0.055341	0.671398	0.066696	0.099339
NPRL2	1	15.37983	15.62551	18.94226	20.0105	51.07633	127.0934	90.46877	118.3624	21.81885	32.923	24.20689	78.13328	3.227729
NPRL3	1	2.581564	3.343571	4.439953	5.933619	4.050064	7.430595	4.148556	4.94138	5.63024	5.444741	4.069754	5.519102	1.356127
NPS	1	0	0	0	0	0	0.359694	0	0	0	0	0	0.071939	#DIV/0!
NPSR1	1	0	0	0.596091	0.077846	0.07054	0	0	0.03359	0	0	0.148895	0.006718	0.045119
NPTN	1	135.1074	154.866	80.96518	86.08386	189.1546	122.787	354.6389	187.7717	167.7709	138.4706	129.2354	194.2878	1.503363
NPTX1	1	36.83052	43.24451	18.33522	17.38594	3.566806	10.46323	56.01735	100.3057	29.04576	78.22717	23.8726	54.81185	2.296015
NPTX2	1	6.048907	5.359396	8.26422	8.748564	11.687	5.689311	40.07132	10.89631	16.31983	20.22645	8.021617	18.64064	2.323801
NPTXR	1	101.4892	84.4348	74.93775	121.6594	129.0435	61.01527	79.84129	13.02623	9.557425	29.24613	102.3129	38.53727	0.376661
NPVF	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NPW	1	0	0	0	0	0	0	0.143427	0.08722	0	0.084151	0	0.06296	#DIV/0!
NPY	1	26.33596	10.37438	4.156812	12.00487	50.80702	31.61024	9.739802	0.100389	21.08477	0.129142	20.73581	12.53287	0.604407
NPY1R	1	6.306882	4.991598	3.739198	2.895027	3.634723	0.700958	2.994679	1.354552	4.485725	0.416268	4.313485	1.990436	0.461445
NPY2R	1	1.73665	1.395086	0.638646	1.086629	0.50204	0.062464	0.139496	27.57742	0	0	1.07181	5.555877	5.183639
NPY5R	1	2.573635	2.467952	1.453634	1.554759	3.371586	1.567475	3.276592	0.745417	2.408621	0.922035	2.284313	1.784028	0.780991
NQO1	2.28E-21	23.15737	16.59923	11.56607	18.34163	48.83604	0	0.0521	0.031683	0	0	23.70007	0.016757	0.000707
NQO2	1	6.148217	4.133384	5.391966	4.729654	7.951082	8.395829	6.67522	8.193135	2.085829	2.71479	5.670861	5.612961	0.98979
NR0B1	1	0.021354	0.024115	0.093273	0.127899	0	0.111753	0	0	0	0.035498	0.053328	0.02945	0.552241
NR0B2	1	0	0	0	0	0	0	0	0	0.079778	0	0	0.015956	#DIV/0!
NR1D1	1	9.699938	10.3346	16.09944	14.64444	12.86536	9.607782	11.58391	23.77822	17.05445	39.97808	12.72875	20.40049	1.602709
NR1D2	1	23.36167	30.84119	20.24423	17.42475	14.09695	10.98347	21.94291	46.09534	43.36074	22.13305	21.19376	28.9031	1.363755
NR1H2	1	9.197366	9.940648	21.19835	23.2334	28.10227	20.02473	14.73255	11.52213	12.74878	33.99197	18.33441	18.60403	1.014706
NR1H3	1	6.572323	6.309395	7.768642	8.62837	19.22557	15.16067	7.851867	15.07585	6.82587	18.19807	9.700859	12.62246	1.30117
NR1H4	1	0	0	0.008511	0.004668	0	0.530286	0.571422	0	0.161179	0	0.002636	0.252577	95.81877
NR1I2	1	0.151243	0.226059	0.068005	0.074601	0.096571	0.046559	0	0	0.045993	0	0.123296	0.01851	0.15013
NR1I3	1	0	0	0.383522	0.420721	0	0	0	0	0	0.153642	0.160849	0.030728	0.191039
NR2C1	1	3.756176	3.019446	3.017697	2.551509	1.962801	4.542324	3.953743	11.62852	14.46685	8.947271	2.861526	8.707742	3.043042
NR2C2	1	13.59336	12.90903	20.90526	20.06698	10.23797	5.261049	5.382065	7.598201	11.97575	7.870032	15.54252	7.617419	0.490102
NR2C2AP	1	5.584946	4.305093	2.066846	2.474885	8.861929	10.74246	9.205279	5.890715	4.410066	5.384302	4.65874	7.126564	1.529719
NR2E1	1	7.356808	5.103539	5.944783	8.13284	5.732508	11.55018	16.54848	2.254428	3.911867	2.480835	6.454096	7.349158	1.138681
NR2E3	1	0	0	0	0	0	0.131663	0.02673	0.03251	1.300608	0	0	0.298302	#DIV/0!
NR2F1	1	45.76868	43.18943	34.22461	39.78974	63.27272	87.43611	33.29985	20.7861	22.50853	22.86218	45.24904	37.37855	0.826063
NR2F2	1	9.031128	1.4997	5.543542	4.832759	1.20884	4.662506	2.875478	2.172214	6.256886	2.703552	4.423194	3.734127	0.844215
NR2F6	1	4.830049	4.469371	6.495467	6.859458	9.168559	24.53012	9.454656	9.941295	8.118197	17.75906	6.364581	13.96067	2.193494
NR3C1	1	9.364565	8.705315	6.766504	6.544139	3.822232	5.722684	8.395734	14.63063	12.4111	5.756286	7.040551	9.383287	1.332749
NR3C2	1	9.314392	6.200663	3.986075	4.405487	4.944625	3.916177	6.173072	2.382094	3.506827	1.582748	5.770248	3.512184	0.608671
NR4A1	1	11.36907	15.70403	7.008457	6.707938	26.29947	14.86687	23.30165	7.840424	19.85321	22.3778	13.41779	17.64799	1.315268
NR4A2	1	8.832592	6.134025	10.48395	6.00246	5.470984	18.25906	14.152	30.04861	46.31903	15.74833	7.384802	24.90541	3.372522
NR4A3	1	1.688205	4.66714	2.620609	1.123919	2.355568	2.922708	3.872168	4.932165	4.71841	0.912465	2.491088	3.471583	1.393601

NR5A1	1	0.016485	0.013963	0.054005	0.078991	0	0	0	0	0.14914	0.013702	0.032689	0.032568	0.996322
NR5A2	1	0.038134	0.006152	0.071385	0.04568	0.007392	0.085529	0	0.028158	0.11265	0	0.033749	0.045267	1.341314
NR6A1	1	1.211923	0.883846	0.840342	0.940662	1.243052	2.095865	2.658708	4.593363	3.937741	2.462797	1.023965	3.149695	3.075979
NRADD	1	0.815846	0.964624	2.080731	2.151364	4.398157	7.908768	1.11697	2.165111	1.754986	0.755472	2.082144	2.740262	1.316077
NRAP	1	0.08606	0.052332	0.043373	0.099125	0.035929	0.207867	0.19694	0.265189	4.329196	0.346645	0.063364	1.069167	16.87346
NRARP	1	4.4405	4.473715	3.786158	3.606887	4.415603	5.610687	4.717919	1.591736	6.878871	2.401545	4.144572	4.240152	1.023061
NRAS	1	7.529272	7.839115	8.819856	9.125942	7.285912	16.21797	10.06699	12.35892	7.388811	5.336578	8.120019	10.27385	1.26525
NRBF2	1	9.676794	9.79065	5.693171	6.612041	7.234798	7.854652	11.89699	9.187025	8.984176	5.482392	7.801491	8.681047	1.112742
NRBP1	1	34.23158	32.94037	33.98369	31.98452	33.12046	42.90635	43.06949	102.0349	83.23903	67.41404	33.25212	67.73276	2.036946
NRBP2	1	9.272815	12.5806	34.46602	41.06733	34.80578	16.69742	20.46452	46.01748	32.43102	17.82608	26.43851	26.6873	1.00941
NRCAM	1	51.36172	53.67698	31.53094	43.15946	30.02466	25.42257	102.1526	40.49433	33.77551	22.36289	41.95075	44.84158	1.06891
NRDC	1	35.3192	30.62283	21.29498	21.33667	18.19851	22.57448	31.87207	45.42414	34.00379	24.44148	25.35444	31.66319	1.248823
NRDE2	1	3.772301	3.502946	6.348044	6.841761	2.418138	2.753621	3.796079	5.987757	2.522682	1.714072	4.576638	3.354842	0.733036
NREP	1	39.58052	47.90674	86.32261	16.86218	85.37156	113.4884	91.69621	433.6088	486.9629	375.294	55.20872	300.2101	5.437729
NRF1	1	4.206769	4.212572	3.46335	3.751698	3.290391	11.9429	10.86877	19.13061	8.458111	11.5304	3.784956	12.38616	3.272471
NRG1	1	1.052831	1.770968	1.430124	1.786842	2.312401	4.139035	3.596168	0.962674	1.178238	0.653128	1.670633	2.105849	1.260509
NRG2	1	1.515857	2.462197	6.029972	4.775413	5.208701	1.313577	2.614546	8.394957	6.43707	12.91019	3.998428	6.334069	1.58414
NRG3	1	11.10772	11.59677	6.005089	7.42584	5.400904	18.59755	24.3627	2.770675	2.360548	2.871192	8.307263	10.19253	1.226942
NRGN	1	569.4401	852.9827	261.1623	699.7666	1147.719	799.0306	740.4103	0.185025	0.740206	0.396697	706.2142	308.1526	0.436344
NRIP1	0.004905	0.010229	0.017328	0.01117	0	0.00694	0.120449	0.173893	0.310633	0.72712	0.403855	0.009133	0.34719	38.01325
NRIP2	1	1.554329	1.917093	2.143131	2.771431	3.693126	0.412338	0.213088	0.185119	0.629495	3.476837	2.415822	0.983375	0.407056
NRIP3	1	37.17857	51.24972	18.32837	21.33579	48.98815	72.58842	70.97065	36.65423	32.20856	30.89767	35.41612	48.6639	1.374061
NRK	1	1.454913	2.626363	4.681499	2.37245	0.996705	5.401905	1.587859	15.90387	13.1358	2.321177	2.426386	7.670124	3.161131
NRL	1	0.026206	0	0.095388	0.073248	0.094819	0	0.074248	0	7.541437	0.159731	0.057932	1.555083	26.84324
NRM	1	0.158746	0.399916	1.120092	1.023943	1.325491	2.875743	1.34931	1.104574	1.010043	3.552351	0.805638	1.978404	2.455699
NRN1	1	48.20426	55.48422	36.52065	38.15922	117.0565	78.94422	163.292	100.001	228.847	214.458	59.08496	157.1084	2.659026
NRN1L	1	0.21513	0.04859	0.540312	0.347899	0.058379	0.168877	0.045714	0.055599	0.389251	0.286095	0.242062	0.189107	0.781235
NRP1	1	2.014629	1.492644	1.131758	1.025309	1.216653	8.394956	9.854925	3.423476	2.197364	0.580749	1.376199	4.890294	3.55348
NRP2	1	4.046032	2.065255	4.83586	5.46598	2.019144	4.347438	2.841531	7.664929	1.529347	0.986028	3.686454	3.473855	0.94233
NRROS	1	0.827892	0.744492	2.109431	1.157014	1.414543	2.727952	1.15653	0.911328	0.713317	0.649888	1.250674	1.231803	0.984911
NRSN1	1	160.65	81.7568	59.43484	105.4757	96.96173	203.6384	115.6774	17.446	54.20998	88.20329	100.8558	95.83502	0.950218
NRSN2	1	21.37474	19.62978	23.86427	33.98224	47.9001	7.457402	26.42887	11.40476	13.64697	19.75817	29.35023	15.73923	0.536256
NRTN	1	0.247837	0.687162	0.910819	0.54053	0.055659	0.071559	0.105328	0.335721	0.671539	1.068325	0.488401	0.450494	0.922386
NRXN1	1	40.89385	46.28046	26.87302	24.32433	31.51661	18.59271	43.71781	26.99224	27.22229	20.97763	33.97765	27.50054	0.809371
NRXN2	1	18.23981	20.64177	55.73434	50.96648	22.03804	21.69979	27.45203	24.60705	48.29331	94.65774	33.52409	43.34198	1.292861
NRXN3	1	24.61211	23.57359	22.85177	14.5288	11.48197	8.791279	30.70325	40.82108	51.61725	48.89309	19.40965	36.16519	1.863258
NSA2	1	2.779779	1.883532	2.276598	2.226857	6.176163	0	0	0.089802	1.167599	0	3.068586	0.25148	0.081953
NSD1	1	9.633188	11.32626	12.41896	10.58195	6.299657	6.08176	8.997331	13.13868	12.21743	10.38041	10.052	10.16312	1.011055
NSD2	1	4.960604	4.560374	7.306731	7.373068	3.830976	5.195366	4.747285	5.216241	4.226942	3.440889	5.60635	4.565345	0.814317
NSD3	1	9.175165	10.45211	14.6882	11.15094	1.643777	4.351023	7.054169	7.267288	10.28467	10.22242	9.422036	7.835914	0.831658
NSDHL	1	23.22747	25.46051	14.8091	18.69705	32.92102	9.635088	10.46177	9.346508	7.435804	9.318206	23.02303	9.239476	0.401314
NSF	1	187.0211	181.3026	130.9033	144.8599	159.0444	80.63228	191.4285	147.3389	86.93336	121.7838	160.6263	125.6234	0.782085
NSFL1C	1	35.37025	33.1137	28.28923	33.30627	68.07533	70.73553	44.7734	44.36143	37.21586	73.87805	39.63096	54.19285	1.367437
NSG1	1	36.58858	40.16889	40.26002	32.15934	46.85861	16.55885	52.5977	59.12538	51.12653	40.52005	39.20709	43.9857	1.121881
NSG2	1	189.4766	183.1866	101.4772	140.3029	250.7808	109.5445	117.277	60.4488	87.55209	160.172	173.0448	106.9989	0.61833
NSL1	1	4.997806	4.46317	2.17581	2.337531	2.658856	4.438189	7.558281	6.702984	4.299047	1.738251	3.326635	4.947351	1.487194

NSMAF	1	5.248311	4.802348	4.232162	4.081662	3.608022	5.549568	13.37144	12.4232	7.040373	8.831822	4.394501	9.44328	2.148886
NSMCE1	1	27.83821	29.27035	19.33051	21.52844	55.26962	65.99474	37.27932	42.75782	50.84123	51.18091	30.64743	49.6108	1.618759
NSMCE2	1	2.253444	2.574418	1.416343	1.498787	3.093105	5.382274	3.410382	1.794573	1.083673	1.491856	2.167219	2.632552	1.214714
NSMCE3	1	0.074135	0.027907	0	0	0	0.129324	0.105022	0	0.063875	0.308093	0.020408	0.121263	5.941809
NSMCE4A	1	8.490757	8.239264	4.513066	6.062201	14.41978	11.99154	4.659966	8.210789	11.70026	8.249021	8.345013	8.962316	1.073973
NSMF	1	50.62473	50.15062	68.85752	115.0269	73.30708	181.2214	49.20984	21.95913	15.57948	70.73569	71.59337	67.7411	0.946192
NSRP1	1	29.83294	28.16437	12.41821	12.95615	7.921934	16.79327	13.05446	14.06502	21.39613	8.27383	18.25872	14.71654	0.806001
NSUN2	1	12.6066	11.82229	13.05504	15.98449	11.3367	11.2851	12.66312	9.621884	10.25848	11.34626	12.96102	11.03497	0.851397
NSUN3	1	5.917876	5.430537	3.690366	3.575703	4.464247	1.402423	4.065186	2.42402	2.347409	0.977561	4.615746	2.24332	0.486015
NSUN4	1	2.72498	3.543406	3.481852	3.03398	2.331939	3.757491	4.324814	3.711223	3.974801	3.561834	3.023231	3.866033	1.278775
NSUN5	1	1.709482	1.785077	1.943435	2.258166	2.097069	3.308897	4.130174	5.356139	3.813399	3.775996	1.958646	4.076921	2.0815
NSUN6	1	2.520287	3.615475	2.685316	2.09943	3.004682	1.5121	1.142802	2.714428	1.286543	0.652098	2.785038	1.461594	0.524802
NSUN7	1	0.851795	0.965832	0.625117	0.561818	0.645721	0.180475	0.403041	0.249553	1.319259	0.114653	0.730057	0.453396	0.621043
NT5C	0.155539	4.630091	6.084652	7.422317	8.383369	17.70605	0.92957	1.031681	1.468997	0.367303	3.877905	8.845295	1.535091	0.173549
NT5C1A	1	1.379435	1.722293	2.282864	0.933975	0.790518	2.331614	4.278504	2.325047	0.930154	3.460986	1.421817	2.665261	1.874546
NT5C1B	1	0	0.43442	0	0	0	0	0	0	0	0.028421	0.086884	0.005684	0.065422
NT5C2	1	15.06126	13.86731	13.63463	15.62829	16.33774	16.59599	23.30666	19.65763	21.67379	19.31603	14.90585	20.11002	1.349136
NT5C3A	1	6.360659	5.291714	5.404506	5.13971	5.566332	5.170382	12.33642	16.58467	11.9174	6.303455	5.552584	10.46247	1.884252
NT5C3B	1	25.16997	26.19613	29.95636	32.63047	82.6077	161.1148	78.79055	40.58514	19.33247	34.40862	39.31213	66.84631	1.700399
NT5DC1	1	1.474532	2.959602	1.134283	1.516043	1.133999	3.655283	10.08493	4.242842	11.01756	3.671784	1.643692	6.534481	3.975491
NT5DC2	1	5.879879	2.689694	8.109424	6.449085	6.642748	10.56006	9.331296	11.66967	6.883112	15.01204	5.954166	10.69124	1.795589
NT5DC3	0.000241	23.05413	20.39852	16.85055	16.11621	14.12599	3.454497	4.546374	3.292242	4.69961	2.825064	18.10908	3.763557	0.207827
NT5DC4	1	0	0	0	0	0	0	0.182064	0	0.354344	0.014243	0	0.11013	#DIV/0!
NT5E	1	10.17254	8.927743	3.058365	4.108294	4.890014	5.918208	13.01459	4.862006	13.87786	4.269264	6.231391	8.388385	1.34615
NT5M	1	6.02484	4.920249	6.494744	7.942386	15.33464	8.418345	2.951508	1.135215	2.761736	3.897578	8.143372	3.832876	0.470674
NTAN1	1	27.67647	31.99155	17.26618	18.70375	87.99622	82.01713	35.67759	15.94867	20.52561	20.8263	36.72683	34.99906	0.952956
NTF3	1	0.049294	0.048709	0.390251	0.059049	0.167208	0.290216	0.026187	2.26129	0.127415	0.286799	0.142902	0.598381	4.187351
NTF4	1	0	0.01854	0.071708	0	0	0	0	0	0	0.081871	0.018049	0.016374	0.907185
NTHL1	1	1.71018	1.779151	4.142416	4.457286	3.206416	5.96662	2.48877	2.062602	3.482822	7.977319	3.05909	4.395627	1.436907
NTM	1	25.24027	29.13034	29.34157	21.22493	35.6015	28.28919	56.04586	62.04543	47.31004	115.0718	28.10772	61.75246	2.196993
NTMT1	1	4.762135	4.345148	4.652132	6.466027	8.352956	2.743151	2.488352	1.729387	1.729638	4.041555	5.71568	2.546417	0.445514
NTN1	1	4.826448	3.58365	7.310056	4.029952	3.792324	1.551892	0.659105	0.563782	3.50653	4.425207	4.708486	2.141303	0.454775
NTN3	1	0.218141	0.199424	0.771332	0.647052	0.394642	0.81543	0.088293	0.053693	0.483304	0.207213	0.446118	0.329586	0.738788
NTN4	1	9.378658	7.030756	3.530422	4.505146	3.798405	3.304992	8.943092	3.678422	11.20742	7.238987	5.648677	6.874582	1.217025
NTN5	1	0.143453	0.0324	0	0.027495	0.031143	0	0.012193	0.192788	0	0	0.046898	0.040996	0.874154
NTNG1	1	2.301522	2.182742	6.674651	10.6104	2.313755	1.688357	3.133913	0.387114	1.206184	0.780502	4.816614	1.439214	0.298802
NTNG2	1	2.976623	1.79034	5.653154	7.157552	4.101837	13.36044	2.816997	5.07916	8.492404	2.608111	4.335901	6.471423	1.492521
NTPCR	1	22.28288	20.07713	16.93096	17.23681	35.17744	24.46078	29.46622	25.32741	27.8131	11.3613	22.34104	23.68576	1.06019
NTRK1	1	0.01998	0	0.305444	0.263269	0.072291	0.801628	0.452862	0	0	0.022142	0.132197	0.255326	1.931413
NTRK2	1	51.9948	46.07417	48.55975	45.93462	29.57707	33.67638	61.64225	31.21382	51.97158	35.6576	44.42808	42.83233	0.964082
NTRK3	1	8.521428	6.598339	12.57072	8.863672	11.6246	5.243374	10.73204	8.48162	6.897274	4.427236	9.635751	7.156309	0.742683
NTS	1	13.19653	8.420327	3.781441	13.45365	23.15443	0.9796	0.265172	7.538727	0.08064	0	12.40128	1.772828	0.142955
NTSR1	1	0.659959	0.391596	1.368038	1.969704	0.121418	1.112236	0.095077	0	0	0.111567	0.902143	0.263776	0.292388
NTSR2	1	5.476762	3.476502	11.43986	10.56268	14.53834	2.934857	7.47966	1.418522	6.353435	7.200059	9.098827	5.077307	0.558018
NUAK1	1	9.564953	9.72252	14.70068	14.20528	0.676528	13.69922	12.66121	19.71593	16.36789	25.34905	9.773992	17.55866	1.796468
NUAK2	1	0.652481	0.438128	0.269593	0.633732	0.574255	0.461439	0.4122	0.546908	0.911647	0.205202	0.513638	0.507479	0.98801

NUB1	1	17.71004	15.57834	8.695062	11.41321	13.45658	8.075587	10.44387	16.90319	12.17888	16.13951	13.37065	12.74821	0.953447
NUBP1	1	5.027299	6.437811	5.197598	6.03322	8.435781	7.482519	4.312305	5.697746	11.39715	7.68235	6.226342	7.314414	1.174753
NUBP2	1	2.704327	2.615315	6.069298	7.033825	8.068466	6.411689	4.190861	7.915922	5.020583	10.10865	5.298246	6.729542	1.270145
NUBPL	1	0.212653	0.192797	0.307437	0.236797	0.105661	0.391861	0.709639	0.445091	0.627089	0.263881	0.211069	0.487512	2.309727
NUCB1	1	52.75116	33.72866	35.48535	42.32581	64.03504	55.62567	48.51065	39.89998	22.35869	33.19867	45.6652	39.91873	0.874161
NUCB2	1	20.71501	16.09628	6.216107	6.726871	11.66025	5.406045	14.78176	8.264829	4.317652	8.238888	12.2829	8.201835	0.667744
NUCKS1	1	83.4059	82.01775	63.84822	67.24827	83.77655	70.52938	62.37418	69.00416	72.02345	55.53404	76.05934	65.89304	0.866337
NUDC	1	189.2844	159.055	121.8489	181.587	224.7198	86.77294	69.69721	48.53812	43.55196	78.05022	175.299	65.32209	0.372632
NUDCD1	1	2.958599	3.395227	2.195643	2.500359	2.338446	8.042306	11.16988	14.71114	7.622694	5.706042	2.677655	9.450414	3.529362
NUDCD2	1	7.895445	8.467915	7.244244	8.730373	13.37518	15.03637	14.64302	8.633023	18.59691	17.16328	9.142631	14.81452	1.620378
NUDCD3	1	13.54848	12.1721	20.38152	26.421	23.8121	4.923443	7.650966	4.772765	7.535461	11.72925	19.26704	7.322378	0.380047
NUDT1	1	2.870604	1.377231	1.188296	1.775527	2.087483	21.20868	6.259363	1.988075	3.782741	10.6666	1.859828	8.781092	4.721453
NUDT10	1	1.71193	1.648985	0.791743	1.881828	2.186172	5.744359	5.157067	2.992967	2.030308	1.18854	1.644132	3.422648	2.081736
NUDT11	1	1.791912	1.900037	0.86634	1.671337	3.934672	6.013158	4.563454	2.898853	1.484995	2.114689	2.032859	3.41503	1.679914
NUDT12	1	4.011401	4.174121	5.007725	5.822309	3.214639	6.43891	5.002058	2.719922	5.703467	4.361009	4.446039	4.845073	1.08975
NUDT13	1	1.883256	3.028056	2.558058	3.232597	3.116181	0.030048	0	0	2.522984	1.07853	2.763629	0.726312	0.262811
NUDT14	1	3.837382	2.220734	1.947381	2.851527	3.672774	1.291599	0.389103	0.205757	0	1.323446	2.90596	0.641981	0.220919
NUDT15	1	3.399342	3.544801	3.212844	2.648327	3.886853	7.118848	5.916502	9.265131	12.96161	6.848248	3.338433	8.422068	2.522761
NUDT16	1	4.374663	2.76829	3.376878	5.67708	14.49811	3.552524	1.389048	0.357376	2.27454	1.337407	6.139005	1.782179	0.290304
NUDT16L1	1	1.294447	1.168817	1.550503	1.960462	3.551389	0.865435	0.563456	0.641083	0.928601	1.602002	1.905123	0.920115	0.482969
NUDT17	1	3.758751	2.805624	0.787161	0.909769	17.74523	17.11088	14.57929	14.57142	3.460383	1.690464	5.201307	10.28249	1.976905
NUDT18	1	1.979579	1.951851	3.182142	2.78059	5.09924	2.892326	3.266982	3.220292	2.961022	6.564738	2.99868	3.781072	1.260912
NUDT19	1	1.996264	3.790172	3.192394	2.996763	1.618254	5.842005	5.779574	5.253206	11.6546	9.115178	2.718769	7.528913	2.769236
NUDT2	1	2.968897	1.596058	2.672301	2.715607	11.68594	16.72856	5.945952	5.687295	6.423655	6.717049	4.327761	8.300502	1.917967
NUDT21	1	25.23625	20.18794	13.0138	13.04388	7.122606	25.2445	36.29066	30.98373	19.61977	24.52796	15.7209	27.33333	1.738662
NUDT22	1	7.586063	6.642015	9.088739	9.547181	31.87925	15.02827	7.048422	4.921281	1.984676	9.291997	12.94865	7.654929	0.591176
NUDT3	1	70.8871	65.50882	57.73814	64.54308	75.83626	35.01037	26.89089	22.95532	29.57615	24.60116	66.90268	27.80677	0.41563
NUDT4	1	36.11254	27.58611	13.15254	15.10335	25.53355	19.63483	17.73581	9.904606	13.56879	6.977453	23.49762	13.5643	0.577263
NUDT5	1	2.344498	2.591422	2.646239	2.19209	5.596481	3.061952	2.909806	2.32717	1.565974	2.083179	3.074146	2.389616	0.777327
NUDT6	1	3.371293	3.907834	1.089628	0.926368	2.968937	6.173213	7.269846	1.897315	2.17394	0.8353	2.452812	3.669923	1.49621
NUDT7	1	2.205808	2.14466	2.257295	2.435971	1.562019	0.703617	0.83031	1.617937	0.390968	0.2235	2.121151	0.753266	0.355122
NUDT8	1	0.989365	0.82834	2.458767	2.145538	1.944174	1.249783	1.55864	1.631163	0.881838	1.049176	1.673237	1.27412	0.76147
NUDT9	1	9.808399	10.09163	7.798532	8.995735	6.842199	6.03889	6.651404	4.69648	6.599514	4.712466	8.707299	5.739751	0.659188
NUF2	1	1.530758	1.152463	0.391008	0.450379	1.166028	0.796411	0.285332	0.323896	0.647886	0.178571	0.938127	0.446419	0.475862
NUFIP1	1	4.759538	5.278128	3.652173	4.237543	5.905207	5.385562	7.175316	3.490755	4.987518	2.922428	4.766518	4.792316	1.005412
NUFIP2	1	10.07561	12.36831	12.50646	11.59417	7.552163	8.86046	14.40586	16.41335	20.4775	11.49535	10.81934	14.3305	1.324527
NUGGC	1	0.024818	0.070067	0.081302	0.029729	0	0	0.052737	0.048105	1.347141	0.020628	0.041183	0.293722	7.132089
NUMA1	1	15.24872	13.22864	40.76071	45.61282	10.32733	13.20938	16.8822	40.99822	35.30803	43.18418	25.03564	29.9164	1.194952
NUMB	1	19.75766	22.0116	16.05483	19.66347	15.28438	17.59265	22.84525	15.88431	16.65718	12.81067	18.55439	17.15801	0.924741
NUMBL	1	4.848968	4.374096	8.743171	7.947795	8.28023	11.57404	8.506928	8.650055	10.45494	27.15047	6.838852	13.26729	1.939987
NUP107	1	6.684321	5.865994	5.080464	5.834253	6.168875	7.643478	8.997854	17.88407	9.011836	10.7885	5.926781	10.86515	1.833229
NUP133	1	6.68066	5.671142	7.719631	8.841978	5.311168	5.085824	7.808796	10.12817	11.82376	22.30114	6.844916	11.42954	1.669785
NUP153	1	8.624811	10.15939	8.711661	7.956209	2.42048	9.315781	13.57667	16.21565	12.07198	10.9964	7.574511	12.4353	1.641729
NUP155	1	3.823971	4.157085	4.313362	3.731686	2.295864	2.785566	5.119517	5.640094	4.43163	2.598569	3.664393	4.115076	1.12299
NUP160	1	2.412054	2.229062	3.088317	2.695289	1.119234	4.316897	4.014318	7.547201	21.16951	19.30136	2.308791	11.26986	4.88128
NUP188	1	4.184375	3.520195	6.892967	6.470175	3.337634	9.689019	8.905414	11.62997	6.94704	6.642112	4.881069	8.762712	1.795244

NUP205	1	2.42356	2.037873	2.758725	2.344972	2.274897	5.092441	5.344098	8.477346	6.364839	3.766763	2.368006	5.809097	2.45316
NUP210	1	0.886685	1.13802	3.057003	2.839766	1.120976	1.129097	2.169301	9.329546	2.407536	3.722092	1.80849	3.751514	2.074391
NUP210L	1	0.033537	0.050498	0.054933	0.020087	0.106177	0.07313	0.409774	0.534497	0.288959	0.60396	0.053047	0.382064	7.202416
NUP214	1	3.869203	3.935642	8.406882	7.906935	2.381108	8.509429	5.519867	6.066464	12.31409	7.33839	5.299954	7.949647	1.499946
NUP35	1	4.019437	4.048094	2.772093	2.703079	6.888904	10.20999	16.20811	18.61944	12.273	10.15923	4.086322	13.49395	3.302225
NUP37	1	3.206854	2.867036	2.918185	2.223073	5.882142	3.962539	2.460757	3.491675	17.26904	10.24216	3.419458	7.485234	2.189012
NUP43	1	3.475549	3.752578	2.07712	2.21529	2.341943	2.212138	4.840409	6.509175	4.916736	2.46911	2.772496	4.189514	1.511098
NUP50	1	13.20135	14.71134	11.13951	11.19958	10.78716	4.941179	6.978522	7.904021	9.514501	9.946072	12.20779	7.856859	0.643594
NUP54	1	3.428062	3.880547	2.691666	2.942959	3.211623	3.758893	4.249267	5.990798	6.160449	5.766422	3.230971	5.185166	1.604832
NUP58	0.776742	9.850973	10.95233	7.755847	7.345761	9.34294	24.79717	22.73304	36.68682	44.20374	32.66114	9.04957	32.21638	3.559991
NUP62	1	0.472814	0.716441	0.653549	0.616566	0.227378	0.093964	0.445123	0.680585	1.082907	2.357923	0.53735	0.9321	1.734626
NUP62CL	1	2.59382	1.382224	1.27458	1.038944	2.859503	1.060493	3.25537	0.670358	3.645603	0.916256	1.829814	1.909616	1.043612
NUP85	1	8.607178	7.666033	10.09262	10.04986	12.42246	11.52293	14.48021	42.91507	6.343717	9.027496	9.767629	16.85789	1.725893
NUP88	1	10.88692	13.54526	9.690401	10.0925	14.59918	16.2114	14.38929	24.98456	49.51221	14.68961	11.76285	23.95742	2.036701
NUP93	1	6.242181	6.082829	8.12917	7.566971	6.543444	23.24751	25.70593	22.34684	14.71279	20.43702	6.912919	21.29002	3.079744
NUP98	1	6.371738	6.199743	8.217098	7.70522	5.824962	4.99547	8.098033	11.62736	9.268171	7.494916	6.863752	8.29679	1.208783
NUPL2	1	1.669799	1.8222	1.757738	1.503086	0.936782	1.268671	0.910756	1.097671	2.005171	1.592599	1.537921	1.374974	0.894047
NUPR1	1	10.89553	4.655713	3.358511	4.624922	18.73457	4.10954	9.316601	5.327354	13.87005	8.21295	8.453849	8.167299	0.966104
NUPR2	1	3.709391	3.434255	7.006413	5.123986	12.51457	0	0	0	2.073104	1.944312	6.357723	0.803483	0.126379
NUS1	1	17.63175	19.20848	9.49686	11.23662	11.23706	12.34542	19.64226	9.877703	13.76537	11.28467	13.76215	13.38309	0.972456
NUSAP1	1	0.227247	0.397365	0.192116	0.175625	0.278498	0.575448	0.186925	0.397853	0.075793	0.134044	0.25417	0.274013	1.078068
NUTF2	1	24.50285	24.02365	19.17052	23.35637	52.66523	45.09959	32.74917	18.69203	16.26569	19.33609	28.74373	26.42851	0.919453
NUTM1	1	0.017781	0	0	0.031949	0	0.023263	0.028337	0.022977	0.06894	0.620707	0.009946	0.152845	15.36752
NVL	1	6.198764	6.447645	4.837628	4.31952	3.785981	12.7604	11.10138	17.44044	10.0974	8.277784	5.117908	11.93548	2.332101
NWD1	1.27E-07	5.988909	4.118091	12.25668	10.41235	5.927342	0.055155	0.397517	0.503903	0.149831	0.078839	7.740674	0.237049	0.030624
NWD2	1	0.186213	0.248916	1.659923	2.326229	0.206253	0.934736	0.589501	0.25536	0.373273	0.385355	0.925507	0.507645	0.548505
NXF1	1	11.52154	12.53193	15.00114	18.13429	37.164	31.14776	14.50559	35.85501	26.15997	31.06484	18.87058	27.74663	1.470365
NXF2	2.26E-05	0	0.037739	0	0.030023	0	1.093044	4.012146	5.225189	0.259138	1.722105	0.013552	2.462324	181.688
NXF3	0.273844	0	0.007487	0.014478	0.047647	0	0.242854	0.253566	0.376929	0	1.862406	0.013922	0.547151	39.29998
NXN	1	8.387772	6.86163	7.813399	7.789131	11.26331	9.274285	6.965216	3.719132	6.06169	2.824095	8.423049	5.768884	0.684893
NXNL1	1	0	0	0	0	0	0	0	0.08629	0.431513	0.249761	0	0.153513	#DIV/0!
NXNL2	1	0.011212	0.031656	0.073463	0.040294	0.212989	0	0	0	0	0.018639	0.073923	0.003728	0.050428
NXPE2	1	0	0.009335	0.036106	0	0	0	0	0	0	0.151154	0.009088	0.030231	3.326344
NXPE3	1	6.770011	8.557533	12.89266	18.50241	9.961535	18.9734	12.57323	8.079914	18.43755	8.432969	11.33683	13.29941	1.173116
NXPE4	0.000301	0.614424	0.705437	0.738032	0.723747	0.625254	0	0	0	0	0.051069	0.681379	0.010214	0.01499
NXPH1	1	16.5122	18.25763	10.16599	13.0781	11.29681	9.106294	16.22547	9.620338	14.80267	4.210684	13.86214	10.79309	0.778602
NXPH2	1	19.94953	25.75866	4.293843	6.373743	6.23073	2.086609	19.77892	0.142132	0.639688	0.365682	12.5213	4.602606	0.367582
NXPH3	1	1.090809	1.356828	6.628963	3.011029	2.209347	1.571922	2.788215	8.865969	6.66066	29.82727	2.859395	9.942808	3.477242
NXPH4	1	0.748999	0.479735	1.806688	2.263141	2.305566	2.515666	1.092731	2.484689	2.77401	25.96099	1.520826	6.965617	4.580154
NXT1	1	1.027079	1.110177	1.217684	1.546703	3.862202	12.13224	8.012863	16.19201	2.88237	6.195236	1.752769	9.082944	5.182054
NXT2	1	2.121344	1.649696	1.44259	1.886838	1.585659	2.35994	2.267371	2.101075	2.396887	1.161383	1.737225	2.057331	1.184263
NYAP1	1	9.757341	10.62226	13.22869	14.83141	8.966871	12.8473	7.928763	7.011189	7.816889	17.09231	11.48131	10.53929	0.917952
NYAP2	1	4.291467	5.158956	2.185044	2.366557	1.109436	1.740878	3.242964	1.844133	1.995367	0.143521	3.022292	1.793373	0.593382
NYNRIN	1	1.74129	0.771048	3.969186	2.391849	1.006373	0.475559	0.652354	19.62598	14.74067	15.57534	1.975949	10.21398	5.169152
NYX	1	0.210587	0.082508	0.075088	0.133852	0.04665	0	0	0	0.066652	0.121451	0.109737	0.037621	0.342826
OAF	1	5.684032	4.644169	4.137901	5.417808	8.719279	1.690656	3.395277	0.406177	0.947884	0.711197	5.720638	1.430238	0.250014

OARD1	1	24.53444	24.46408	14.91726	17.60344	44.77712	24.97217	15.61341	27.14751	24.55911	22.21733	25.25927	22.90191	0.906673
OAS1X	1	4.408374	0.204592	2.143156	1.4287	0.573563	0.869093	1.860682	1.05348	4.995002	3.011584	1.751677	2.357968	1.346121
OAS1Y	1	5.63987	0.93701	2.962998	2.108721	0.943235	1.58432	4.526926	2.694952	6.665905	4.361493	2.518367	3.966719	1.575116
OAS1Z	1	1.64807	0.374913	1.217036	0.397683	0.06435	0.372297	2.292719	0.949925	4.045432	1.359966	0.74041	1.804068	2.436578
OAS2	1	0.321514	0.01878	0.181597	0.152728	0.090257	0.02901	0.553629	0.071632	0.974342	0.580539	0.152975	0.441831	2.888246
OASL	1	0	0	0	0	0	0.172811	0.421012	0.46938	0.085354	0.150954	0	0.259902	#DIV/0!
OAT	1	56.69044	62.18198	38.84158	46.68989	47.98359	45.87531	71.9561	40.97957	39.31015	53.11094	50.47749	50.24641	0.995422
OAZ1	1	166.1767	162.0451	178.9235	200.3243	332.2405	473.1052	284.2652	198.8781	266.3576	530.5097	207.942	350.6232	1.686158
OAZ2	1	43.34049	42.09438	36.87322	45.55796	116.6672	108.3975	66.07637	59.5143	55.56376	52.15404	56.90665	68.3412	1.200935
OAZ3	1	0.154122	0.994577	0.144256	0.158247	0.238992	0.230449	0.093572	0	0.910578	0	0.338039	0.24692	0.730448
OBP	1	0.04531	0	0	0	0	0	0	0	0	0	0.009062	0	0
OBSCN	1	0.366088	0.209994	0.799521	1.037168	0.220765	0.334515	0.06174	2.162589	1.111492	4.317877	0.526707	1.597643	3.033266
OBSL1	1	2.353704	1.859719	5.169974	4.016716	2.021259	1.871044	2.066213	4.683011	4.466661	11.40474	3.084274	4.898334	1.588164
OC90	0.000707	0.284719	0.226265	0.967267	0.429486	0.57232	0	0.022408	0	0	0	0.496011	0.004482	0.009035
OCA2	1	1.915408	1.574277	4.315025	2.794108	1.921246	0.574439	4.093471	0.113473	0.170234	0.036493	2.504013	0.997622	0.398409
OCEL1	1	2.530563	2.950464	2.509398	3.998099	8.12918	3.507676	0.842931	0.671686	0.70714	2.182905	4.023541	1.582467	0.393302
OCIAD1	1	134.4814	182.2541	94.9135	104.8059	354.3441	116.9788	179.2437	126.1218	134.2346	103.4364	174.1598	132.0031	0.757942
OCIAD2	1	32.43871	24.1083	20.3646	31.93278	43.55257	63.8403	38.46314	34.02204	40.83239	9.79275	30.47939	37.39013	1.226735
OCLN	1	7.061456	3.204449	4.244571	4.586417	3.182025	18.13842	4.102349	3.666729	13.02799	3.316933	4.455784	8.450485	1.89652
OCRL	1	11.92619	11.56421	11.53866	13.63597	3.701111	11.24924	17.34211	12.1716	10.74725	7.227212	10.47323	11.74748	1.121668
OCSTAMP	1	0	0	0	0.021284	0	0	0	0.068881	0.045927	0.059073	0.004257	0.034776	8.169464
ODAM	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ODAPH	1	0.012323	0.013917	0	0.029524	0	0	0	0.031849	0.127415	0	0.011153	0.031853	2.856012
ODC1	1	17.83439	20.15037	19.50351	26.52878	22.40278	23.66581	25.6062	16.19447	14.13541	20.96393	21.28397	20.11317	0.944991
ODF1	1	0	0.800353	0	0	0	0	0	0	0	0	0.160071	0	0
ODF2	1	9.984993	10.09123	17.84265	9.08279	3.198371	4.923477	4.786038	12.03962	19.87007	7.546308	10.04001	9.833104	0.979392
ODF2L	1	15.20404	15.83107	5.788034	5.872027	4.947809	4.014886	5.250551	8.857884	9.322735	2.15311	9.528597	5.919833	0.62127
ODF3	1	0	0.018355	0	0	0	0	0	0	0	0	0.003671	0	0
ODF3B	1	0.10892	0.070288	1.189383	1.192908	0.042225	0	0	0	0	0.077598	0.520745	0.01552	0.029803
ODF3L1	1	0	0	0	0	0	0	0	0	0.063791	0	0	0.012758	#DIV/0!
ODF3L2	0.016765	0.562149	1.201142	3.313424	3.734279	2.972966	0	0.040723	0.148586	0.049536	0.106191	2.356792	0.069007	0.02928
ODF4	1	0	0.03268	0.0948	0.017332	0	0	0	0	0.4488	0.432944	0.028962	0.176349	6.088876
ODR4	1	4.487653	5.530812	3.81017	3.273279	5.390269	6.5451	7.369771	6.926256	13.8002	3.546546	4.498437	7.637574	1.697829
OFCC1	1	0	0	0.092484	0	0	0.369359	0.029995	0.127684	0	0.011732	0.018497	0.107754	5.825548
OFD1	1	3.354062	3.534893	3.453717	2.816379	1.227923	0.903279	0.911966	1.856649	2.628626	1.907636	2.877395	1.641631	0.570527
OGA	1	60.56777	62.27497	57.69383	53.22211	40.49519	37.41248	52.71177	76.43716	71.81011	76.17282	54.85077	62.90887	1.146909
OGDH	1	9.923198	9.809459	13.18322	13.8459	2.816031	8.994645	13.94924	10.6439	7.232681	13.23812	9.915561	10.81172	1.090379
OGDHL	1	11.72325	11.9414	21.18694	16.68998	19.74096	3.89739	15.08094	17.71743	9.688639	12.08467	16.25651	11.69381	0.719331
OGFOD1	1	5.179515	4.885986	5.386599	5.299685	7.613396	8.524438	9.226435	6.89228	4.595522	6.679647	5.673036	7.183664	1.266282
OGFOD2	1	1.0855	1.186946	2.057107	2.524949	3.428847	0.541027	1.13501	1.380442	1.484562	5.556603	2.05667	2.019529	0.981941
OGFOD3	1	2.876016	3.261901	6.74136	7.647665	4.77693	1.070447	1.527847	2.531031	1.922581	8.655074	5.060774	3.141396	0.620734
OGFR	1	7.483459	6.438944	6.120955	9.079761	13.04185	6.300417	2.701493	1.468589	2.389916	8.005151	8.432993	4.173113	0.494856
OGFRL1	1	18.09103	24.21896	40.65724	30.44223	17.69559	4.560271	7.36035	16.53386	12.43818	12.1436	26.22101	10.60725	0.404533
OGG1	1	1.118927	1.12321	1.629129	1.2752	1.476028	1.911239	3.170218	1.445902	5.061392	1.44669	1.324499	2.607088	1.968359
OGN	1	20.37647	1.5459	4.931907	2.224683	3.241515	9.947288	42.00204	119.7454	65.62839	10.31973	6.464095	49.52857	7.662104
OGT	1	23.18318	31.37297	38.70813	36.44656	21.04731	50.9428	55.95208	99.66003	97.01355	53.67541	30.15163	71.44877	2.369649

OIP5	1	0.075124	0	0.426574	0.341962	0.081544	2.437505	0	0	0	0.099904	0.185041	0.507482	2.742542
OIT3	0.429833	0	0.018245	0.035283	0.019353	0	1.437308	0.205979	0.167013	0.709908	1.517363	0.014576	0.807514	55.39989
OLA1	1	8.649975	9.51507	5.243474	6.007397	17.87129	16.67465	17.37948	8.292653	8.87385	5.669598	9.457441	11.37805	1.203079
OLAH	1	0.078746	0.066696	0.042994	0.070747	0.186979	0	0	0	0	0.114539	0.089232	0.022908	0.256721
OLFM1	1	323.6446	290.2408	105.7075	137.1995	751.1942	574.1075	299.09	132.3668	73.08927	142.2016	321.5973	244.171	0.759245
OLFM2	1	28.75136	26.21368	22.52838	32.22513	104.7948	45.12319	48.39202	8.940521	6.375438	13.69028	42.90266	24.50429	0.57116
OLFM3	1	35.94647	39.61632	19.91431	17.39446	24.0858	10.73092	51.26383	10.45819	16.59276	12.1597	27.39147	20.24108	0.738956
OLFM4	1	0.210903	0.166722	0	0.025264	0.114464	0	0.044816	0.16352	0	0	0.10347	0.041667	0.402696
OLFML1	0.055332	1.008034	0.242208	1.014879	0.625168	0.717819	4.003295	3.114285	20.8786	5.17421	5.918388	0.721621	7.817755	10.83359
OLFML2A	1	2.832089	0.730724	2.371811	2.348683	1.217657	2.552454	3.800144	1.957995	7.362461	3.426859	1.900193	3.819983	2.010313
OLFML2B	1	8.474806	8.928143	4.996039	8.81016	17.19209	1.271615	3.929135	4.089516	4.258618	13.83181	9.680247	5.476139	0.565702
OLFML3	1	15.79084	4.386071	7.715324	10.59231	15.73711	3.007066	6.828524	4.70256	5.555879	10.7015	10.84433	6.159106	0.567956
OLIG1	0.114999	14.75123	23.57163	51.20167	81.87615	48.5078	15.8282	5.637979	1.521204	2.668346	4.54603	43.9817	6.040352	0.137338
OLIG2	1	6.355744	8.766347	14.53326	21.27457	9.848417	34.04355	11.17753	4.231198	2.220495	2.100656	12.15567	10.75469	0.884747
OLIG3	1	0	0	0	0	0	0	0	0	0	0.07624	0	0.015248	#DIV/0!
OLR1	1	0.239186	0.129655	0	0.091686	0.051926	0	0.853874	0	0	0.047713	0.102491	0.180317	1.759355
OMA1	1	1.146091	1.009236	0.908834	0.866231	0.407277	1.428064	1.406145	0.987335	2.362896	0.997954	0.867534	1.436479	1.655819
OMD	1	0.334841	0.02801	0	0	0.053846	0.207684	0.073787	0.102563	0.025645	0.049477	0.08334	0.091831	1.101894
OMG	1	68.73024	79.62239	52.88825	76.50106	68.72038	56.63349	101.4136	23.22509	19.07777	18.71879	69.29246	43.81375	0.632302
OMP	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ONECUT1	1	0.105629	0.143145	0.991968	0.025307	0	0	0.134674	1.255767	0.600672	0.895514	0.25321	0.577325	2.280028
ONECUT2	1	0.538954	0.405245	0.522468	0.443033	0.145508	0.100733	0.186979	0.191878	0.24166	0.22398	0.411041	0.189046	0.45992
ONECUT3	1	0	0.01434	0	0.030423	0	0	0	0	0	0	0.008953	0	0
OOEP	0.059536	2.357773	1.683282	1.242931	3.019145	5.515707	0	0	0	0.140102	0.180203	2.763768	0.064061	0.023179
OOSP2	0.021928	0.532299	5.488558	0	0.097032	0.408224	0	0	0	0	0	1.305222	0	0
OPA1	1	24.27497	26.74311	17.94643	17.79096	14.57068	8.843299	21.89789	15.71886	16.45807	9.182379	20.26523	14.4201	0.711569
OPA3	1	0.401678	0.575319	0.470719	0.539846	0.345616	0.974149	0.957636	0.987473	0.557117	1.693735	0.466636	1.034022	2.215909
OPALIN	1	15.06027	22.9768	14.30924	31.2238	44.49797	99.18002	37.7316	11.58296	9.010279	11.63658	25.61362	33.82829	1.320715
OPCML	1	41.50889	37.86167	19.6926	28.55297	24.65688	14.68258	41.8704	15.17426	16.84708	32.35727	30.4546	24.18632	0.794176
OPHN1	1	4.175559	5.089524	3.063033	3.226046	4.382431	2.080011	3.57244	2.815943	4.003117	14.63418	3.987319	5.421138	1.359595
OPLAH	1	3.466535	2.843266	7.316297	7.038881	6.007855	1.960068	3.360337	5.700244	6.927342	9.041581	5.334567	5.397914	1.011875
OPN1LW	1	0	0	0	0	0	0	0	0	0.077859	0.350506	0	0.085673	#DIV/0!
OPN1SW	1	0.035773	0	0	0	0	0	0.038008	0	0	0.356801	0.007155	0.078962	11.03648
OPN3	1	0	0.086217	0.166735	0.045727	0	0	0.081115	0	0	0.031728	0.059736	0.022568	0.377806
OPN4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OPN5	1	0	0	0.077244	0	0	0	0	0	0	0	0.015449	0	0
OPRD1	1	0.775827	1.405141	0.671357	1.385271	0.715021	0.306427	2.2396	0	0	0.778677	0.990523	0.664941	0.671302
OPRK1	1	2.955916	3.562032	2.151868	1.784831	0.130429	0.125766	1.914992	0.714253	0	0.309604	2.117015	0.612923	0.289522
OPRL1	1	1.930897	2.128582	1.892624	3.039677	4.468176	0.765317	1.099136	0.56692	0.378001	0.666269	2.691991	0.695128	0.258221
OPRM1	1	0.155107	0.058388	1.38322	0.418054	0	0.135288	0.329595	0.066811	0.200462	0.085947	0.402954	0.16362	0.406052
OPTC	0.148194	0.532983	0.153026	1.223201	1.742231	1.078627	0	0.038392	0	0.046701	0.165186	0.946014	0.050056	0.052912
OPTN	1	23.0915	19.82178	17.19841	19.02465	16.06525	26.67739	17.29473	24.5643	61.49843	33.76901	19.04032	32.76077	1.7206
OR10A3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10A6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10A7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10AD1	1	0	0	0	0.045176	0	0	0	0	0	0	0.009035	0	0

OR10AG1_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10AG1_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10C1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10G2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10H1	1	0	0	0	0	0	0	0	0	0	0.428124	0	0.085625	#DIV/0!
OR10J1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10J3_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10J3_2	1	0	0	0	0	0	0	0	0.021289	0	0	0	0.004258	#DIV/0!
OR10J5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10K1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10K2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10P1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10R2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10S1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10T2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR10V1	1	0	0	0	0	0	0	0	0	0.208796	0.16785	0	0.075329	#DIV/0!
OR10Z1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR11G2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR11H4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR11H6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR11L1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR12D2	1	0.010847	0	0	0.129931	0	0	0	0	0	0	0.028155	0	0
OR12D3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR13A1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR13C3	1	0	0	0	0	0	0	0	0	0	0.064438	0	0.012888	#DIV/0!
OR13C8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR13F1_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR13F1_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR13H1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR13J1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR14J1	1	0	0	0	0	0	0	0	0	0	0.099033	0	0.019807	#DIV/0!
OR1B1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR1D5	1	0	0	0.081625	0	0	0	0	0	0	0	0.016325	0	0
OR1E1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR1G1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR1I1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR1J1	1	0	0	0.081141	0	0	0	0	0	0	0	0.016228	0	0
OR1K1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR1L1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR1L3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR1L6	1	0	0	0	0.038523	0	0	0	0	0	0	0.007705	0	0
OR1Q1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2A12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2A14	1	0	0	0	0	0	0	0	0	0.208125	0	0	0.041625	#DIV/0!
OR2A2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2A25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

OR2A5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2AE1	1	0	0.014868	0	0	0	0	0	0	0	0	0.002974	0	0
OR2AG1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2AG2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2AP1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2AT4	1	0	0	0	0	0	0.491924	0	0	0	0	0	0.098385	#DIV/0!
OR2B11	1	0.006802	0	0	0.024445	0	0	0	0	0	0.011308	0.006249	0.002262	0.361874
OR2B6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2C3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2D2	1	0	0	0	0	0	0	0	0	0	0.098798	0	0.01976	#DIV/0!
OR2D3	1	0	0	0	0	0	0	0	0	0.490851	0	0	0.09817	#DIV/0!
OR2G2	1	0	0	0	0	0	0	0	0	0.104398	0.26856	0	0.074592	#DIV/0!
OR2G3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2G6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2H1	1	0	0.012147	0	0	0	0	0	0	0	0	0.002429	0	0
OR2J2	1	0.004823	0.059913	0.021067	0.06933	0.117793	0	0	0	0	0	0.054585	0	0
OR2J3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2L13	1	0	0.02266	0	0	0	0	0	0	0	0	0.004532	0	0
OR2M3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2M4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2M5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2S2	1	0	0	0	0	0	0	0.041571	0	0	0	0	0.008314	#DIV/0!
OR2T11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2T12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2T2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2T27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2T33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2T4_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2T4_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2V1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2V2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR2W1	1	0	0	0	0.104215	0	0	0	0	0	0	0.020843	0	0
OR2W3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR3A1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4A15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4A16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4C13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4C15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4C16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4C3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4C46	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4C6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4D11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4D2	1	0	0	0	0	0	0	0	0	0	0.033355	0	0.006671	#DIV/0!
OR4D5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4D6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

OR4D9	1	0.113235	0.036536	0	0	0.043898	0	0	0	0	0	0.038734	0	0
OR4E2	1	0	0	0	0	0	0.834705	0	0	0.721478	0.265139	0	0.364264	#DIV/0!
OR4F15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4K13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4K14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4K17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4K2	1	0	0	0	0	0	0	0	0	0	0.065246	0	0.013049	#DIV/0!
OR4K5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4L1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4M1	1	0	0.018395	0	0	0	0	0	0	0	0	0.003679	0	0
OR4N2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4N4	1	0	0	0	0	0	0	0	0	0	0.033178	0	0.006636	#DIV/0!
OR4N5	1	0	0	0	0	0	0	0	0	0	0.033679	0	0.006736	#DIV/0!
OR4S1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR4X1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51A7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51E1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51E2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51F2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51I1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51I2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51M1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51Q1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51S1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51T1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR51V1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52B2	0.672255	0.176346	0.129447	0.134797	0.110903	0.023927	0	0	0	0	0	0.115084	0	0
OR52B4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52B6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52D1_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52D1_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52E2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52E4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52E6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52E8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52H1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52I2	1	0	0	0.054255	0.029759	0	0	0	0	0.032107	0.154862	0.016803	0.037394	2.225454
OR52J3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52K1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52K2	1	0	0	0	0	0	0	0.084462	0	0	0.033037	0	0.0235	#DIV/0!
OR52L1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52M1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52N2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52N5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR52W1	1	0.006956	0	0.030383	0.016665	0	0	0	0	0.107878	0	0.010801	0.021576	1.997617
OR56A1	1	0	0	0	0	0	0	0.337849	0	0	0.066074	0	0.080785	#DIV/0!

OR56A3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR56A4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR56B4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5A1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5AC2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5AR1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5AS1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5AU1	1	0	0	0	0	0	0	0	0.089143	0.178311	0	0	0.053491	#DIV/0!
OR5B2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5B3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5C1	1	0	0	0	0.04217	0	0	0.074805	0.04549	0	0	0.008434	0.024059	2.852649
OR5D13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5D14	0.423276	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5D18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5F1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5H6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5I1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5K1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5K3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5K4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5L1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5L2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5M10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5M3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5P3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5T1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5T2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR5V1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6A2	1	0	0	0	0	0	0	0	0	0	0.056405	0	0.011281	#DIV/0!
OR6B1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6C1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6C2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6C3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6C4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6C68_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6C68_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6C75	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6C76	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6F1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6K2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6K3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6N1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6P1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6S1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6T1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR6V1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

OR6Y1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR7A17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR7A5	1	0	0	0	0	0	0	0	0	0	0.164316	0	0.032863	#DIV/0!
OR7C2	1	0	0	0	0.023362	0	0	0	0	0	0.194518	0.004672	0.038904	8.326282
OR7D2	1	0	0	0.111793	0.061318	0	0.267884	0.315439	0.423336	0.740946	0.570113	0.034622	0.463543	13.38867
OR7D4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR7E24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR7G1	1	0	0	0	0	0	0	0	0	0	0.033142	0	0.006628	#DIV/0!
OR7G2	1	0	0.041103	0	0	0	0	0	0	0	0	0.008221	0	0
OR7G3	1	0	0	0	0	0	0	0	0	0	0.068018	0	0.013604	#DIV/0!
OR8B4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR8D2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR8D4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR8G2	1	0	0.044186	0	0	0	0	0	0	0	0	0.008837	0	0
OR8G5_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR8G5_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR8H3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR8J1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR8K1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR8K3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR8S1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR9A4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR9G1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR9G9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR9K2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OR9Q2	1	0.025622	0.028935	0.055957	0.306924	0.139059	0	0	0	0	0	0.111299	0	0
ORAI1	1	1.397459	1.432202	2.487465	2.777111	3.419596	3.170532	1.92247	1.523992	0.501112	1.759067	2.302767	1.775435	0.771001
ORAI2	1	2.162501	2.254966	3.742059	3.27248	4.91807	1.790588	1.999397	0.987895	1.754978	4.256881	3.270015	2.157948	0.65992
ORAI3	1	2.219916	2.163088	3.925762	4.318296	10.31564	11.66895	5.259897	5.153367	3.300666	4.947535	4.588541	6.066083	1.322007
ORAOV1	1	2.050518	2.070061	1.990334	2.239205	2.459029	4.877742	2.398687	2.19472	1.017214	1.514953	2.16183	2.400663	1.110478
ORC1	1	0.088321	0.085493	0.082667	0.030228	0	0.264122	0.308328	0.26087	0.195681	0.041948	0.057342	0.21419	3.735311
ORC2	1	4.819872	4.672045	3.816192	4.186332	4.497999	5.876973	6.748447	6.675297	12.05212	6.003576	4.398488	7.471282	1.698602
ORC3	1	4.353946	3.772897	2.793028	2.779913	4.874248	10.52801	9.572526	8.133013	12.88843	12.97055	3.714806	10.81851	2.912267
ORC4	1	10.70497	11.72735	6.939962	5.841253	13.08967	5.374864	7.377323	8.189886	8.826396	3.976384	9.660641	6.74897	0.698605
ORC5	1	2.845321	3.103808	2.21244	1.793891	5.043923	6.592387	10.50123	9.880649	4.144101	5.008101	2.999877	7.225294	2.40853
ORC6	1	2.821251	2.395355	2.293697	2.442163	3.017672	2.748142	2.166082	3.592459	6.760129	3.474604	2.594028	3.748283	1.444967
ORM1	1	0	0	0	0	0	0	0	0	7.388719	0.125047	0	1.502753	#DIV/0!
ORMDL1	1	8.35291	7.812252	6.80928	6.19533	6.031208	2.012034	4.560483	5.655521	6.003484	3.615787	7.040196	4.369462	0.620645
ORMDL2	1	8.976803	7.434208	8.6877	7.717043	28.80223	12.34338	11.59476	9.325505	5.186645	3.74524	12.3236	8.439108	0.684793
ORMDL3	1	14.83364	12.67042	11.9686	13.88351	22.30729	4.805807	10.55937	8.019507	7.044411	9.774744	15.13269	8.040767	0.531351
OS9	1	48.18336	40.16732	42.84768	47.63618	38.17459	45.56763	40.23106	55.8231	45.66148	57.97389	43.40183	49.05143	1.13017
OSBP	1	6.839746	6.889698	11.54468	11.72821	2.095162	3.495182	6.451778	7.74896	5.778896	7.141645	7.819498	6.123292	0.78308
OSBP2	1	8.117005	10.11497	12.49175	9.170932	17.97453	7.814976	11.77785	13.33812	12.62964	17.78784	11.57384	12.66968	1.094683
OSBPL10	1	2.013275	1.813958	1.174627	1.675994	1.982197	2.510414	3.62172	4.376696	1.12721	0.81554	1.73201	2.490316	1.437818
OSBPL11	1	5.274963	6.013841	6.236102	6.405864	2.092588	5.848646	9.843524	10.13798	11.1794	9.158884	5.204671	9.233688	1.774115
OSBPL1A	1	61.96376	70.42868	34.62995	41.78382	54.0716	25.1212	54.40819	14.15453	11.007	12.28655	52.57556	23.39549	0.444988

OSBPL2	1	18.39571	18.12046	16.79215	16.32412	15.30806	10.46144	12.69154	15.75095	17.76965	16.93114	16.9881	14.72094	0.866545
OSBPL3	1	3.757286	4.045698	1.71509	2.040997	3.719973	1.699102	3.915366	0.917979	1.606696	0.761128	3.055809	1.780054	0.582515
OSBPL5	1	8.464181	8.397704	12.01212	14.51492	5.990067	5.953448	5.167359	6.93209	4.774936	12.84717	9.875798	7.135	0.722473
OSBPL6	1	15.50661	19.80141	10.53379	10.44922	18.38572	6.656417	15.97586	11.82533	13.71504	6.51756	14.93535	10.93804	0.732359
OSBPL7	1	2.734367	2.287975	4.544943	4.919817	8.20701	3.591866	2.612727	6.971959	4.800442	5.070138	4.538822	4.609426	1.015556
OSBPL8	1	12.52227	19.2103	16.51572	14.61371	5.741105	8.52485	12.6616	13.63342	17.02471	8.827807	13.72062	12.13448	0.884397
OSBPL9	1	15.93419	13.93072	10.86003	9.273542	13.14231	15.90168	15.12818	17.15317	21.9807	14.5326	12.62816	16.93927	1.341389
OSCAR	1	0.055647	0.146633	0.526634	0.277747	0.276848	0	0	0	0.143838	0	0.256702	0.028768	0.112066
OSCP1	1	5.526022	5.075377	4.133467	5.209229	4.998603	5.002111	15.11866	8.048788	4.483107	4.230022	4.98854	7.376538	1.478697
OSER1	1	7.232899	8.110143	9.266904	7.876587	17.78761	9.5168	10.58839	13.09042	10.35701	13.0653	10.05483	11.32359	1.126184
OSGEP	1	9.289468	6.173845	6.930626	6.617928	15.50092	10.191	5.885113	13.15972	6.562175	9.471532	8.902557	9.053907	1.017001
OSGEPL1	1	3.581277	4.92612	2.455546	2.269704	2.514355	3.051022	3.473183	4.089686	12.64758	6.005195	3.1494	5.853333	1.858555
OSGIN1	1	0.258644	0.197866	0.364431	0.62965	0.090564	0.261981	0.762356	3.126622	0.560717	3.522835	0.308231	1.646902	5.343076
OSGIN2	1	10.19718	12.05508	8.132866	7.282696	6.777837	8.781612	12.68567	12.72666	12.74519	4.269964	8.889131	10.24182	1.152173
OSM	1	0.010629	0.024006	0	0.025464	0	0.111247	0.022585	0	0	0	0.01202	0.026766	2.226869
OSMR	1	1.158261	0.826547	2.46752	2.630241	0.838813	0.223125	0.218945	0.413208	4.518393	0.20081	1.584277	1.114896	0.703726
OSR1	1	4.041208	0	0.916694	0.64312	0.052978	0	0.124455	0.151366	0.151388	0.032453	1.1308	0.091932	0.081299
OSR2	1	0.051118	0	0	0	0	0	0	0	0.052853	0	0.010224	0.010571	1.033928
OST4	1	69.41794	45.25686	41.31339	50.52784	202.2938	198.8835	62.71324	59.42189	49.51082	72.15059	81.76197	88.53601	1.082851
OSTC	1	22.21375	21.02475	9.163307	10.85711	20.99724	25.09443	30.64535	24.08129	29.10833	24.09442	16.85123	26.60476	1.578802
OSTF1	1	11.02299	8.716781	10.23992	10.13796	21.15868	25.35764	14.2094	20.2861	15.93416	8.792862	12.25527	16.91603	1.380307
OSTM1	1	10.50637	9.029395	5.159497	5.162195	6.588097	6.119608	19.14696	9.971484	8.03972	7.647146	7.289111	10.18498	1.397288
OSTN	1	0	0	0	0	0	0.273018	0.166285	0	0	0.585377	0	0.204936	#DIV/0!
OTC	1	0	0	0.077757	0	0	0	0	0	1.702532	0.088778	0.015551	0.358262	23.03734
OTOA	1	0.204471	0.550254	0.057007	0.052114	1.027094	1.411574	2.8473	0.348548	0.359844	0.282044	0.378188	1.049862	2.776031
OTOF	0.000147	12.33467	11.65107	2.531618	4.624503	6.912064	0.26902	0.841097	0.013285	0.053149	0.085453	7.610785	0.252401	0.033164
OTOG	1	0.509389	0.766293	0.257366	0.273221	1.124421	0.119364	0.096934	0.083509	0.962945	0.00316	0.586138	0.253182	0.43195
OTOGL	1	0.316075	0.120731	0.07106	0.25056	0.094602	0.072976	0.30619	5.417817	0.15619	0.007727	0.170606	1.19218	6.987934
OTOL1	1	0	0.050831	0	0	0	0.176668	0.071735	0.290822	0	0.037412	0.010166	0.115327	11.34412
OTOP1	1	0.636827	0.611089	0.233141	0.233706	0.299677	1.155859	1.963351	1.588762	1.141792	0.89952	0.402888	1.349857	3.350451
OTOP2	1	0.0111	0	0.024242	0.119668	0	0.116178	0.306625	1.004039	0.114764	0.221419	0.031002	0.352605	11.3737
OTOP3	1	0	0	0	0.128139	0	0	0	0	0.315998	0.660474	0.025628	0.195294	7.620426
OTOR	1	27.4979	2.070236	2.206078	2.554497	7.30974	3.328427	0.874487	1.740411	0.193407	0.684106	8.327691	1.364168	0.163811
OTOS	1.11E-09	11.97573	3.051435	9.762413	10.02997	50.78409	0	0	0	0	0	17.12073	0	0
OTP	1	0.112502	0.039703	0.168919	0.193726	0.152647	0.073595	0	0.072689	0.0727	0	0.1335	0.043797	0.328067
OTUB1	1	45.74135	50.73799	39.20443	49.94486	82.67473	77.0162	72.18783	42.01676	34.14359	75.53066	53.66067	60.17901	1.121473
OTUB2	1	0.648255	0.606579	0.916876	1.205487	0.150784	0.710816	1.482463	1.180743	1.595831	1.036564	0.705596	1.201284	1.702508
OTUD1	1	3.853824	4.263926	3.056704	2.8619	4.504717	4.701399	4.149923	4.794927	4.879758	3.516994	3.708214	4.4086	1.188874
OTUD3	1	8.519257	9.330875	8.651962	10.46881	6.918119	3.071453	7.898542	10.04101	6.226172	5.767383	8.777804	6.600912	0.752
OTUD4	1	7.247404	8.030276	9.248038	7.696757	5.574202	5.557025	8.313571	9.471827	17.86718	16.68328	7.559335	11.57858	1.531692
OTUD5	1	22.13319	23.97365	27.847	31.32257	31.79131	49.64154	23.45273	22.12616	19.40166	25.19898	27.41354	27.96421	1.020088
OTUD6A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OTUD6B	1	27.84321	27.03382	15.04222	14.86407	22.22274	5.307414	9.461397	6.503519	9.504369	4.156067	21.40121	6.986553	0.326456
OTUD7A	1	3.78914	4.162765	6.104324	6.869152	3.689952	3.063872	4.231993	3.141511	2.662685	3.918565	4.923067	3.403725	0.691383
OTUD7B	1	5.877326	6.584801	15.21447	14.27175	3.928713	8.931977	11.61409	11.94573	10.84885	7.86022	9.175413	10.24017	1.116045
OTULIN	1	2.173888	2.366434	3.064738	3.455922	2.59008	1.245208	1.131869	1.264814	1.593478	1.105693	2.730212	1.268212	0.46451

OTULINL	1	4.884088	7.227375	3.531031	4.841891	7.704184	7.176954	4.979606	7.436791	4.602028	1.215848	5.637714	5.082245	0.901473
OTX1	1	1.542446	1.290449	0.980118	1.838651	1.350883	0.730241	1.073841	0	0	0	1.400509	0.360816	0.257632
OTX2	1	0	0	3.046531	1.803468	0	0.044514	0.036149	12.85996	3.913515	22.94846	0.97	7.960521	8.206724
OVCA2	1	0.218382	0.411034	0.556428	0.479598	0.246924	0	0	0	0	0.574788	0.382473	0.114958	0.300564
OVCH2	1	0	0	0.01993	0	0	0	0	0	0	0	0.003986	0	0
OVGP1	1	1.075814	1.224341	2.00348	2.267732	4.005697	4.669918	2.4101	5.129694	4.311295	4.200572	2.115413	4.144316	1.959105
OVOL1	1	0	0.020763	0.020077	0	0	0	0	0	0.095047	0.152815	0.008168	0.049572	6.069144
OVOL2	1	5.707285	7.705297	1.607498	2.855048	28.80362	1.956559	1.228906	2.475972	1.84215	0	9.33575	1.500717	0.16075
OVOL3	1	0.117564	0	0	0	0	0	0.124909	0	0	0.195431	0.023513	0.064068	2.724808
OVOS2	1	0.016569	0.018711	0.018093	0.039696	0.044963	0	0	0	0.042828	0	0.027606	0.008566	0.310275
OXA1L	1	26.46679	25.80589	30.5482	35.46636	41.23747	35.46532	32.02772	31.3709	41.54912	39.42867	31.90494	35.96834	1.12736
OXCT1	1	11.17494	4.747027	9.128296	8.69308	1.226779	11.74623	19.11155	16.64398	23.45257	8.174179	6.994025	15.8257	2.262746
OXCT2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
OXGR1	1	0.025763	0	0.056264	0	0	0	0.027372	0.066582	0.266366	0.042826	0.016405	0.080629	4.914799
OXLD1	1	0.069387	0.02612	0.101026	0.083119	0.313825	1.028861	0.516057	0.209216	0.059785	0.692071	0.118695	0.501198	4.222554
OXNAD1	1	6.090111	6.515185	4.428212	5.320768	8.451306	6.985021	7.919691	9.368328	2.790169	2.934082	6.161116	5.999458	0.973762
OXR1	1	68.97723	65.87119	37.66269	41.65445	15.17085	38.37838	100.2847	53.94352	75.53361	55.49752	45.86728	64.72754	1.411192
OXSM	1	1.49074	1.36612	0.960704	1.566189	2.586389	1.214993	2.882131	3.979052	2.147737	3.53435	1.594028	2.751652	1.726225
OXSR1	1	8.517998	8.858492	9.025037	8.733994	10.09368	10.92525	8.450125	8.727198	4.993448	2.965326	9.045839	7.21227	0.797302
OXT	1	0	0	1.066434	52.32919	0	0	0	0.194152	2.912711	2.872248	10.67912	1.195822	0.111978
OXTR	8.10E-12	0.520315	0.447691	0.72149	1.137736	0.291357	0	0	0	0	0	0.623718	0	0
P2RX1	1	0.039487	0	0.064678	0.011825	0	0.025831	0.052442	1.31391	0	0.11487	0.023198	0.301411	12.99294
P2RX2	1	0.414475	0.146271	1.527519	0.434434	0.679535	0.903784	1.522942	1.316666	1.026703	0.086124	0.640447	0.971244	1.51651
P2RX3	1	0.017334	0.019575	0.009464	0.036337	0.023519	0.272136	0.055249	0.022399	0	0	0.021246	0.069957	3.292781
P2RX4	1	6.652687	5.720063	5.236175	7.089494	10.81434	7.403986	4.635711	9.489914	8.765489	8.635344	7.102551	7.786089	1.096238
P2RX5	0.455296	39.38978	35.21579	27.46887	39.31112	54.35131	13.33086	11.15511	11.35911	6.984918	9.063471	39.14737	10.37869	0.265119
P2RX6	1	2.959827	2.659966	3.919314	5.381784	3.077523	0.22827	0.529641	1.481588	0.032213	0.776877	3.599683	0.609718	0.169381
P2RX7	1	1.460194	2.304682	0.531501	0.541406	1.481215	2.219725	2.415782	1.70719	1.725412	2.305964	1.2638	2.074815	1.641727
P2RY1	1	2.070333	1.695721	3.155131	4.278749	0.864339	0.595315	2.731467	0.881977	3.234385	3.025569	2.412855	2.093743	0.867745
P2RY10	1	0.052424	0	0	0	0.071131	0	0	0	0	0	0.024711	0	0
P2RY11	1	0.031354	0.070816	0.068475	0.150234	0	0.656337	0.166563	0.324128	0.081044	0.05212	0.064176	0.256038	3.989644
P2RY12	1	3.693229	5.053814	0.429607	0.371129	1.841631	14.77257	6.552129	2.681734	0.152538	0.0327	2.277882	4.838335	2.12405
P2RY13	1	1.143422	0.866004	0.014953	0	0.854683	3.009867	1.382173	0.796287	0	0	0.575812	1.037665	1.802089
P2RY14	1	0.419027	0.239263	0	0	0.67715	2.981365	1.17054	0.705743	0.048679	0.054786	0.267088	0.992223	3.714965
P2RY2	0.147595	0.161867	0.18036	0.447781	0.377457	0.257695	0.643798	2.971806	1.043051	3.190972	3.824479	0.285032	2.334821	8.191433
P2RY4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
P2RY6	1	0.214607	0.186429	0.588872	0.698721	0.313586	0.143988	0.245554	0.156437	0.312919	1.344668	0.400443	0.440713	1.100565
P2RY8	1	0	0	0.036096	0.125389	0.0299	0.374809	0	0	0.085442	0.064107	0.038277	0.104872	2.739801
P3H1	1	4.518874	3.568084	6.948448	4.532947	5.583035	11.57443	7.572608	14.16645	9.838186	6.840082	5.030278	9.99835	1.987634
P3H2	0.049661	7.220766	8.815626	4.299734	3.678534	7.974984	1.622088	1.549013	1.21642	3.560771	1.49803	6.397929	1.889264	0.295293
P3H4	1	3.38358	2.36544	5.256297	4.306492	5.27414	1.633717	1.455106	1.119109	1.301479	1.757699	4.11719	1.453422	0.353013
P4HA1	1	12.89918	8.814874	10.30164	10.34288	6.636003	12.85822	23.83916	21.70063	17.01553	5.59669	9.798914	16.20204	1.653453
P4HA2	1	3.276396	2.951487	6.686757	4.718803	6.218603	2.213511	4.695109	5.269853	2.447656	2.382172	4.770409	3.40166	0.713075
P4HA3	1	3.637852	1.357569	1.75943	4.862898	5.414192	13.37276	14.36382	11.58148	3.77429	9.269772	3.406388	10.47243	3.074349
P4HB	1	47.62903	32.82553	34.14813	40.30519	27.75917	34.6145	44.54173	77.76154	57.95251	96.53031	36.53341	62.28012	1.704744
P4HTM	1	17.9272	19.24416	23.30495	30.31132	19.39408	11.74169	19.46582	18.95136	14.76724	48.15826	22.03634	22.61687	1.026344

PA2G4	1	45.81697	45.96895	35.88008	40.6294	30.01666	50.14866	51.41333	58.43833	41.53276	67.51127	39.66241	53.80887	1.356672
PAAF1	1	8.505585	9.225838	7.370424	6.285825	14.50031	16.5845	14.60491	14.28843	9.467906	12.40594	9.177596	13.47034	1.467741
PABPC1	1	86.20764	73.67889	60.16831	67.1165	52.18958	147.9089	69.90922	132.9559	160.4763	180.9395	67.87218	138.438	2.039686
PABPC1L	1	0.434702	0.280521	1.588744	0.308185	1.011117	0.185709	1.20649	0.435628	0.137587	0.014747	0.724654	0.396032	0.546512
PABPC1L2A_1	1	3.828702	3.999969	4.586062	4.050964	7.34612	1.456423	2.580518	1.438489	1.395102	4.934653	4.762363	2.361037	0.49577
PABPC1L2A_2	1	5.844954	6.012303	5.327059	6.205583	10.98404	9.524345	7.076645	5.093868	3.825836	7.054962	6.874788	6.515131	0.947685
PABPC4	1	12.18585	9.572447	8.951704	9.279851	11.99049	19.45567	13.10829	10.58262	11.88732	9.396007	10.39607	12.88598	1.239505
PABPC4L	1	0.409015	0.194686	0.383886	0.238904	0.055038	0.566085	0.574635	0.585323	1.240716	0.370865	0.256306	0.667525	2.604407
PABPC5	1	2.101485	1.212406	1.546483	1.411908	0.582671	0.382531	1.349373	0.661186	1.393415	0.607542	1.370991	0.878809	0.641003
PABPN1	1	25.69596	23.7242	17.88722	21.41924	120.5047	58.34381	28.26266	51.2643	22.15192	20.24708	41.84626	36.05395	0.861581
PABPN1L	1	0	0.025439	0.209081	0.047221	0.030564	0	0	0	0	0.028084	0.062461	0.005617	0.089925
PACRG	1	1.044951	0.701663	0.925189	0.879602	0.383196	3.103784	4.380925	1.532783	1.022004	4.084433	0.78692	2.824786	3.589672
PACRGL	1	2.512533	2.492513	2.50796	2.346335	1.337116	0.83113	1.124912	1.883851	2.294633	1.827716	2.239292	1.592449	0.711139
PACS1	1	17.09567	15.71197	22.39654	33.24158	14.19611	11.24349	10.64112	12.61186	7.081011	16.91448	20.52837	11.69839	0.569864
PACS2	1	18.1676	16.45066	31.73466	36.77567	17.18821	28.91998	15.07076	13.34457	11.7613	14.12468	24.06336	16.64426	0.691685
PACSIN1	1	53.85241	48.00889	55.69328	74.02504	26.75993	79.01063	37.14277	30.74417	18.25631	39.1387	51.66791	40.85852	0.790791
PACSIN2	1	11.0131	14.68484	20.63513	19.557	20.65911	15.68186	16.63536	21.46136	19.69245	14.89778	17.30984	17.67376	1.021024
PACSIN3	1	3.044013	2.430707	7.330171	8.122775	5.239838	6.627726	5.949457	6.766275	7.574633	10.40355	5.233501	7.464328	1.426259
PADI1	1	0.083471	0.100155	1.9369	0.293717	0.580436	0	0	0.026966	0	0	0.598936	0.005393	0.009005
PADI2	0.087574	18.17248	20.09417	55.41896	66.30958	29.94191	2.591961	9.446012	11.74934	13.26043	4.39104	37.98742	8.287755	0.218171
PADI3	1	0.024148	0.013635	0.013184	0.050621	0.196587	0	0	0	0	0	0.059635	0	0
PADI4	1	0	0	0.176987	0	0	0	0	0	0	0.022452	0.035397	0.00449	0.126859
PADI6	1	0	0	0.033828	0.046387	0	0.040531	0.032914	0.080063	0.080075	0.025749	0.016043	0.051866	3.232952
PAEP	1	0	0	0	0	0	0	0	0	0.410357	0.131953	0	0.108462	#DIV/0!
PAF1	1	21.32462	18.61412	14.97023	19.289	18.83775	24.09471	21.5876	29.96256	25.76786	40.33583	18.60714	28.34971	1.523593
PAFAH1B1	1	113.8215	118.2746	73.95446	77.93993	83.2621	86.6896	145.5955	109.9257	133.5433	94.52818	93.45051	114.0565	1.220501
PAFAH1B2	1	53.35282	55.14821	46.68324	35.26941	13.40574	34.08105	67.27472	59.61795	68.22085	53.41406	40.77189	56.52173	1.386292
PAFAH1B3	1	8.469809	11.30646	12.71719	14.94319	44.34466	16.14019	6.944848	14.98971	14.51596	33.66872	18.35626	17.25189	0.939837
PAFAH2	1	1.200678	0.632158	1.116221	1.078714	2.201518	2.037906	3.809832	2.578915	2.935778	0.188804	1.245858	2.310247	1.854342
PAG1_1	1	1.23014	1.659075	4.627077	1.999991	0.731182	2.182279	0.790671	1.931577	4.236821	3.335297	2.049493	2.495329	1.217535
PAG1_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG10	1	0	0	0	0	0	0	0	0	0	0.023562	0	0.004712	#DIV/0!
PAG11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG15	1	0.016431	0	0	0	0	0	0	0	0	0	0.003286	0	0
PAG16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG17	1	0.032862	0	0	0	0	0	0	0	0	0	0.006572	0	0
PAG18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG2	1	0.029764	0	0	0	0	0	0	0	0	0	0.005953	0	0
PAG20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG21	1	0.014337	0	0	0.034347	0	0	0	0	0	0	0.009737	0	0
PAG3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

PAG6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAG7	1	0.014153	0	0	0	0	0	0	0	0	0	0.002831	0	0
PAG8	1	0	0	0	0.016422	0	0	0	0	0	0	0.003284	0	0
PAG9	1	0.328823	0.171389	0.055241	0.106049	0.13728	0	0	0	0	0	0.159756	0	0
PAGE4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAGR1	1	3.835532	3.987957	6.470241	4.776758	11.55688	4.67207	3.681693	13.00616	5.504066	19.6005	6.125474	9.292898	1.51709
PAH	1	3.29238	2.230862	2.313442	2.960799	2.330723	41.20242	1.885916	0.73991	8.534874	14.67408	2.625641	13.40744	5.106349
PAICS	0.001575	15.87528	21.78496	13.89676	21.78194	19.8046	3.550887	3.449302	2.399637	7.048911	1.527275	18.62871	3.595202	0.192993
PAICSP	1	0	0.012862	0	0	0.030907	0.655641	0.653443	0.706437	0	0	0.008754	0.403104	46.04942
PAIP1	1	6.845656	7.257664	6.553522	7.196543	11.92196	18.99303	22.66453	22.45366	20.70496	16.86991	7.955069	20.33722	2.55651
PAIP2	1	88.24507	103.2288	26.88381	25.78703	88.19269	118.4062	113.8646	143.4235	63.26613	55.43402	66.46747	98.87888	1.487628
PAIP2B	1	7.037815	8.336177	8.404858	11.97304	8.639345	3.869075	3.67177	4.584238	5.540402	4.382435	8.878246	4.409584	0.496673
PAK1	1	96.26433	90.61826	74.96417	79.82127	52.68982	154.9327	210.5452	76.62707	75.16098	92.69385	78.87157	121.992	1.546717
PAK1IP1	1	7.774411	7.282029	5.480456	4.860982	6.831267	9.226048	9.905389	10.26176	5.295838	8.06574	6.445829	8.550955	1.326587
PAK2	1	8.451781	8.782203	11.45561	12.5598	7.579002	12.96528	13.86413	14.01859	18.55496	10.4845	9.765679	13.97749	1.431287
PAK3	1	21.37759	25.8996	12.54467	15.84273	13.52453	26.58063	33.70638	5.696754	5.062329	4.67763	17.83782	15.14474	0.849024
PAK4	1	3.160556	1.980692	3.88187	5.125567	4.312312	2.556496	1.400734	1.201664	1.643021	3.688491	3.692199	2.098081	0.568247
PAK5	1	9.7887	10.49281	5.642557	4.397789	5.431161	3.618298	9.493823	19.78098	17.66229	12.33345	7.150603	12.57777	1.75898
PAK6	1	17.72714	13.15006	8.324639	8.680927	22.69017	27.29406	8.5928	1.553377	0.452315	0.430011	14.11459	7.664514	0.543021
PALB2	1	1.308007	1.403098	1.567928	1.264478	1.378879	2.985137	4.890158	7.464144	2.016714	1.68389	1.384478	3.808009	2.750502
PALD1	1	4.881723	2.733185	5.210616	5.201234	6.381137	3.670226	2.337671	4.069277	2.825804	2.400227	4.881579	3.060641	0.626978
PALLD	0.585277	3.051698	4.111623	8.679884	8.517311	8.594287	1.109292	1.126047	1.264811	3.190687	1.88616	6.590961	1.715399	0.260265
PALM	1	31.14878	23.86771	30.22064	52.77615	39.55323	68.78723	17.0476	8.928251	9.702458	30.97684	35.5133	27.08848	0.76277
PALM2	1	5.257431	9.214745	5.707827	5.460558	0.371105	3.180793	7.394037	0.589055	1.021177	0.227331	5.202333	2.482478	0.477186
PALM3	1	0.042708	0.024115	0.104932	0.02558	0	0.894022	0.215537	0.124174	1.04873	0.301729	0.039467	0.516838	13.09545
PALMD	1	3.417126	2.195108	1.99656	2.955721	2.745759	8.221508	2.546142	0.917545	1.88124	1.637727	2.662055	3.040832	1.142288
PAM	1	88.56318	73.70522	39.40431	60.57019	87.55961	43.19264	94.63361	29.58693	55.78985	42.18235	69.9605	53.07708	0.758672
PAM16	1	3.49783	3.753434	4.659549	6.450211	13.11545	10.254	4.410282	3.675993	5.627339	8.492636	6.295294	6.49205	1.031254
PAMR1	1	22.82819	17.46066	15.138	20.39524	23.68282	7.90279	27.49215	0.703196	3.305503	2.996495	19.90098	8.480027	0.426111
PAN2	1	2.861656	2.504898	4.570181	4.111612	4.151901	12.81537	9.254626	32.77369	13.30807	9.44004	3.64005	15.51836	4.263228
PAN3	1	6.714822	9.265578	8.010322	5.717012	6.835324	7.290271	7.494288	13.17191	10.93286	10.30175	7.308612	9.838218	1.346113
PANK1	1	5.027687	4.762125	6.660466	3.407897	3.905754	4.639757	7.482084	11.4058	7.759686	4.887758	4.752786	7.235018	1.522269
PANK2	1	5.747451	5.970155	5.728425	5.326005	5.903937	8.264437	9.692663	12.71695	9.03981	5.058759	5.735195	8.954524	1.561329
PANK3	1	3.358516	8.889093	11.75856	8.947261	1.657074	12.04224	30.85703	17.9949	17.43931	11.59922	6.9221	17.98654	2.598422
PANK4	1	5.395031	6.140176	10.09713	9.118337	5.958942	5.617421	5.709722	9.464661	10.80797	10.60107	7.341923	8.440168	1.149585
PANX1	0	28.11642	26.75796	15.05322	20.90828	25.92121	1.244941	2.229376	0.796094	0.662195	1.140715	23.35142	1.214664	0.052017
PANX2	1	11.93689	15.55932	25.03308	28.31397	15.97882	9.701093	6.406065	1.79034	6.267103	12.28331	19.36442	7.289583	0.376442
PANX3	1	0	0	0	0	0	0	0.169247	0	0.329399	0	0	0.099729	#DIV/0!
PAOX	1	3.641022	4.738659	2.822499	2.143564	6.024992	3.880301	3.07191	4.41061	1.199175	1.246325	3.874147	2.761664	0.712844
PAPD4	1	3.881556	3.799395	3.822141	3.736024	3.019631	16.78662	13.2325	19.29373	14.88089	10.81196	3.65175	15.00114	4.107933
PAPD5	1	5.216709	5.915927	4.802111	5.028032	4.089856	3.372109	7.805311	8.006578	8.864035	5.900288	5.010527	6.789664	1.35508
PAPD7	1	4.647975	6.092482	7.586224	7.977073	5.067209	3.60274	5.019627	5.511995	3.675198	5.205841	6.274193	4.60308	0.733653
PAPLN	1	1.568568	1.263026	1.569346	2.632579	1.540259	0.029265	0.047531	0.260142	1.517714	1.087614	1.714756	0.588453	0.34317
PAPOLA	1	27.64289	27.92929	26.41343	25.86203	29.63946	50.83265	41.80466	41.74682	44.0914	26.37335	27.49742	40.96978	1.48995
PAPOLB	1	0.034747	0	0	0	0	0.045461	0.073836	0.112253	0.246992	0.036101	0.006949	0.102929	14.81105
PAPOLG	1	5.663854	6.910064	4.2553	3.704999	4.514747	3.812838	6.566383	7.834779	8.773921	5.424537	5.009793	6.482492	1.293964

PAPPA	1	0.144326	0.215228	1.07088	0.846704	0.050212	0.154934	0.06291	0.095642	0.181745	0.212235	0.46547	0.141493	0.303979
PAPPA2	0.083495	0.089101	0.16187	0.169211	0.15778	0.189227	3.466789	6.494997	0.310372	0.660887	0.486204	0.153438	2.28385	14.88455
PAPSS1	1	37.549	36.79748	33.23984	36.28802	24.67731	34.83276	56.70983	38.34561	41.17185	38.13667	33.71033	41.83935	1.241143
PAPSS2	1	0.246566	0.141851	0.670573	0.523846	0.075747	0.925164	1.611363	2.464779	6.204932	2.590718	0.331717	2.759391	8.318523
PAQR3	1	4.632654	4.609911	2.587077	2.924608	4.135163	1.950014	5.542508	5.318064	2.760046	4.502275	3.777883	4.014581	1.062654
PAQR4	0.022479	3.424035	5.004692	10.45284	13.16545	8.177714	0.878866	0.376682	0.241123	1.061097	1.132174	8.044947	0.737988	0.091733
PAQR5	1	0	0.024374	0.031424	0.038781	0	0.169427	0.053507	0.02789	0.148769	0.017939	0.018916	0.083506	4.414607
PAQR6	1	24.09138	32.65916	86.53308	129.9214	124.1075	45.98065	28.99648	22.95	20.88139	49.63567	79.4625	33.68884	0.423959
PAQR7	1	1.756281	1.023679	2.420481	2.120805	2.719294	1.871594	1.941247	1.583163	0.805425	1.789387	2.008108	1.598163	0.795855
PAQR8	1	17.76905	19.57114	29.97895	38.94084	20.1451	8.780405	16.08184	19.47929	35.70833	24.18313	25.28101	20.8466	0.824595
PAQR9	1	0.253179	0.932743	1.395928	0.904872	0.292838	0.043442	0.546812	0.214533	0.042913	0.048296	0.755912	0.179199	0.237063
PARD3	1	9.530098	6.024061	7.578742	9.208482	5.289301	5.306772	5.99336	7.571821	3.60989	4.320142	7.526137	5.360397	0.712238
PARD3B	1	2.885292	1.661694	2.278147	2.432908	0.943567	2.711435	1.864285	3.041071	3.964086	1.358893	2.040322	2.587954	1.268405
PARD6A	1	2.241454	2.735677	3.162148	3.268725	6.04479	6.192997	4.260054	2.770523	2.447051	5.46178	3.490559	4.226481	1.210832
PARD6B	1	0.542129	0.626806	0.958466	1.298825	0.14011	0	0.795426	1.467819	0.200186	0.836827	0.713267	0.660052	0.925392
PARD6G	1	1.833399	0.653492	1.363887	0.75495	0.715191	2.03889	0.328715	0.488639	1.480939	1.885777	1.064184	1.244592	1.169528
PARG	1	7.402498	7.262237	10.5287	6.984601	5.308629	4.024329	8.439577	6.639184	5.569863	3.357301	7.497333	5.606051	0.747739
PARK7	1	188.833	163.9075	90.76873	103.452	297.8287	133.7768	85.11052	80.0861	71.61934	123.707	168.958	98.85996	0.585116
PARL	1	4.456385	5.800525	5.130157	3.870755	8.951686	9.558083	6.125979	7.000411	14.40958	8.286122	5.641901	9.076035	1.608684
PARM1	1	35.15681	29.67112	23.86316	30.40743	7.657974	4.656059	12.82032	2.227508	0.862387	2.218452	25.3513	4.556946	0.179752
PARN	1	8.670387	7.620853	5.458497	5.702789	6.540203	8.097114	13.31545	8.704871	7.537116	9.971435	6.798546	9.525198	1.401064
PARP1	1	26.39819	24.69055	27.00693	32.03727	20.7815	37.75738	47.99621	67.75057	83.15634	72.6803	26.18289	61.86816	2.362923
PARP10	1	0.591742	0.380969	0.760911	0.980456	0.360178	0.31836	0.352548	0.743222	1.029226	2.077662	0.614851	0.904204	1.470606
PARP11	0.128391	9.194084	9.200287	10.83857	9.293248	7.031475	2.498468	3.00254	3.333389	1.71172	1.344038	9.111533	2.378031	0.260991
PARP12	1	1.49491	0.905554	1.175837	1.241857	1.865147	6.984067	3.919034	4.02634	2.872145	1.342492	1.336661	3.828816	2.864463
PARP14	1	1.809182	0.99491	2.618088	2.728797	1.00752	1.136165	1.611314	1.211623	2.309739	0.224906	1.831699	1.298749	0.709041
PARP16	1	2.358471	1.857396	1.233483	1.10034	3.924282	1.266746	1.529867	1.219067	1.411757	1.557909	2.094795	1.397069	0.666924
PARP2	1	9.219349	6.348454	4.697384	5.352086	7.295894	19.39125	26.05162	26.93474	17.18413	6.061995	6.582634	19.12475	2.905334
PARP3	1	0.74597	0.307238	0.900834	0.893592	1.524191	0.367426	0.46622	0.725804	0.725909	1.531827	0.874365	0.763437	0.873133
PARP4	0.462845	2.846037	2.735287	4.525758	3.970356	1.263066	0	0	0	0.321846	0.123205	3.068101	0.08901	0.029012
PARP6	1	16.08869	15.63394	14.1358	14.69096	16.24104	56.92602	33.47683	38.09096	23.62671	17.11745	15.35808	33.8476	2.203894
PARP8	1	2.471428	3.431007	2.663772	1.992366	0.989614	8.007861	8.853994	7.278807	8.878507	4.616248	2.309637	7.527083	3.258989
PARP9	1	1.660505	1.087509	0.943566	0.922846	1.511438	1.144133	1.294148	1.089686	1.372397	0.242285	1.225173	1.02853	0.839498
PARPBP	1	0.201821	0.16931	0.264461	0.117426	0	0.271593	0.110278	0.283151	0	0.076684	0.150604	0.148341	0.984978
PARS2	1	2.320474	1.737936	2.465428	2.548522	0.510568	1.893524	1.486443	1.708123	1.396625	1.339264	1.916585	1.564796	0.81645
PARVA	1	11.12982	5.804467	9.099895	8.073106	5.054017	11.70774	8.592552	7.429599	14.68788	9.204255	7.832262	10.32441	1.31819
PARVB	0.186174	6.89973	5.24556	8.471943	8.46436	10.85213	3.299156	0.969768	0.779648	0.299908	0.649347	7.986745	1.199566	0.150195
PARVG	1	0.224144	0.293094	0.463757	0.395685	0.128053	4.012954	1.228337	0.853685	0.487891	0.352991	0.300946	1.387172	4.609364
PASD1	0.005026	0	0	0.177562	0.194784	0	0	0	0	0	0	0.074469	0	0
PASK	1	0.908187	1.449333	1.386114	1.407144	1.836496	0.697328	1.02826	3.470892	1.685848	6.242852	1.397454	2.625036	1.878441
PATE1	1	0	0	0	0	0	0.11087	0	0	0	0	0	0.022174	#DIV/0!
PATE2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PATE3	1	0	0	0	0	0	0	0	0	0	0.02989	0	0.005978	#DIV/0!
PATJ	1	0.802621	0.632921	12.59766	0.861994	0.413079	0.579363	1.235039	35.85371	33.64718	25.19691	3.061656	19.30244	6.304575
PATL1	1	5.800747	5.358812	8.548788	9.138342	4.751624	3.059878	3.727315	5.296803	5.520294	5.043914	6.719663	4.529641	0.674088
PATL2	1	0.1646	0.46471	0.071896	0.069011	0.044667	0.129211	0.017488	0.02127	0.127639	0	0.162977	0.059122	0.362761

PATZ1	1	3.300263	3.304357	6.845406	8.360145	6.116739	6.454503	4.048681	8.408437	5.980203	10.96521	5.585382	7.171406	1.28396
PAWR	1	3.672743	2.346074	1.808416	1.682479	1.922783	5.397584	7.693029	4.621388	1.181253	0.275297	2.286499	3.83371	1.676673
PAX1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PAX2	1	0.001112	0.001255	0.199075	0.005326	0	0	0	0.21547	0.178147	0.290119	0.041354	0.136747	3.306772
PAX3	1	0	0.00657	1.169002	0.104542	0	0	0	5.24777	7.399079	3.240003	0.256023	3.177371	12.4105
PAX4	1	0	0	0	0	0	0.241342	0	0.029796	0	0.019165	0	0.058061	#DIV/0!
PAX5	1	0.772708	1.460497	1.425548	1.90727	1.020848	0.010642	0.012963	0	0.24178	0.290702	1.317374	0.111217	0.084424
PAX6	1	5.606927	4.131523	11.34343	5.169757	2.809475	3.987467	3.819047	103.074	52.19847	48.46897	5.812221	42.30959	7.279418
PAX8	1	0.709118	0.825078	1.579972	2.668468	2.896188	1.76181	0.837133	0	0.111087	0	1.735765	0.542006	0.312258
PAX9	1	0.00413	0.018658	0.018041	0	0	0	0	0	0	0.013732	0.008166	0.002746	0.33633
PAXBP1	1	13.15798	15.80386	18.75277	16.5789	18.09009	7.648755	10.52492	24.2061	23.48554	26.21921	16.47672	18.4169	1.117753
PAXIP1	1	1.673332	1.418787	2.720436	2.734538	1.160607	5.343787	5.418821	11.93764	8.042498	11.18875	1.94154	8.3863	4.319406
PAXX	1	10.46872	7.73184	6.630348	9.73136	21.6474	19.83262	4.093172	4.274817	3.030691	20.8482	11.24193	10.4159	0.926522
PBDC1	1	9.661181	10.62077	6.659769	8.00556	11.25254	25.05635	23.46664	17.75066	10.75508	10.13824	9.239965	17.43339	1.886738
PBK	1	0.422042	0.3033	0.209483	0.12639	0.208233	0.20079	4.687915	2.255857	0.396692	0.382677	0.25389	1.584786	6.242023
PBLD	0.001576	0.401887	0.863429	0.685039	0.810192	1.675785	17.90292	11.78923	15.88382	27.97175	4.13878	0.887266	15.5373	17.51143
PBRM1	1	5.955783	6.693189	7.742031	7.118381	3.035295	5.690333	7.52337	11.41904	12.87781	7.744834	6.108936	9.051076	1.481613
PBX1	1	18.31023	16.87139	12.29307	14.8721	13.47502	13.49713	15.12792	7.414948	12.15319	5.599148	15.16436	10.75847	0.709457
PBX2	1	7.627927	8.87095	9.793528	12.0402	16.15203	7.782275	6.966578	12.47554	7.687565	8.235699	10.89693	8.629532	0.791923
PBX3	1	1.826648	2.649688	4.711533	3.150153	2.165092	2.664559	1.293845	7.52897	7.842122	5.950839	2.900623	5.056067	1.743097
PBX4	1	0.443608	0.411688	0.163069	0.105227	0.32181	0.137914	0.242661	0.192972	0	0.087615	0.28908	0.132232	0.457424
PBXIP1	1	39.48487	25.50898	49.74444	61.18734	36.31963	7.504563	12.24772	8.345856	24.22231	17.93377	42.44905	14.05084	0.331005
PC	1	9.879582	8.757308	23.67402	19.59571	11.68863	16.29669	13.81299	21.7639	21.65591	50.90763	14.71905	24.88742	1.690831
PCBD1	1	32.13663	39.16833	27.99266	45.81354	124.2942	16.68812	10.73611	7.545617	27.08254	4.715714	53.88108	13.35362	0.247835
PCBD2	1	7.005302	6.040084	5.804022	6.766566	13.9709	4.36441	2.244701	1.494365	5.058586	10.11095	7.917376	4.654602	0.587897
PCBP1	1	32.14665	36.96529	58.60325	67.72145	66.97386	84.08364	73.83329	82.35674	82.13818	125.664	52.4821	89.61518	1.707538
PCBP2	1	56.56416	50.17385	81.20189	75.13817	85.84986	157.8815	98.74871	226.5351	220.6274	204.2252	69.78559	181.6036	2.602308
PCBP3	1	3.089999	3.208138	16.345	6.666663	3.561473	2.869044	3.018284	13.9539	24.34774	52.95402	6.574255	19.4286	2.955254
PCBP4	1	14.69086	18.32749	32.92407	34.47383	53.64501	48.57155	28.74744	35.55095	25.61667	37.42343	30.81225	35.18201	1.141819
PCCA	1	14.19245	12.16076	11.36009	9.334069	8.114038	14.67447	11.79978	14.99233	13.07123	16.83548	11.03228	14.27466	1.293899
PCCB	1	9.134771	8.730386	7.836141	9.032222	14.27588	15.73854	18.78477	17.35904	9.229632	9.335772	9.80188	14.08955	1.437433
PCDH1	1	12.17516	10.65407	13.56936	18.60148	9.185046	12.4076	23.38358	12.45771	6.099311	8.948789	12.83702	12.6594	0.986163
PCDH10	1	11.30341	12.62345	10.42081	14.52936	4.496054	4.791681	9.357518	2.42268	13.81974	6.53665	10.67462	7.385654	0.691889
PCDH11X	1	1.662304	5.06196	4.210878	2.142362	0.330069	1.886045	3.819492	1.047837	3.167256	0.38192	2.681515	2.06051	0.768413
PCDH12	1	0.221	0.046218	0.357522	0.240222	0.155483	3.833795	0.895744	0.888473	0.359672	0.312949	0.204089	1.258127	6.164602
PCDH15	1	0.607579	0.680328	0.764671	0.675388	0.090822	0.444613	0.853422	0.359295	0.425893	0.145508	0.563757	0.445746	0.790671
PCDH17	1	6.185531	4.670162	7.359689	11.05335	2.409426	5.451738	6.191872	1.513822	2.961007	1.152419	6.335632	3.454172	0.545198
PCDH18	1	1.055106	0.642218	0.874856	0.822609	0.378526	2.339709	2.128044	1.793257	3.494587	0.37457	0.754663	2.026033	2.684686
PCDH19	1	4.026021	3.360431	2.043268	2.547572	2.162727	5.179535	7.238924	2.636238	0.772513	0.651619	2.828004	3.295766	1.165404
PCDH20	1	3.431438	3.607892	1.995563	1.614276	0.552999	0.86005	3.170883	2.344508	8.155998	1.322237	2.240434	3.170735	1.415233
PCDH7	1	6.869964	10.53474	4.602309	5.252485	6.373833	1.649323	6.663621	0.721304	2.995065	0.678981	6.726665	2.541659	0.377848
PCDH8	1	4.074755	5.287576	2.855093	5.791817	6.090928	6.483667	8.094512	2.01679	0.332715	2.179856	4.820034	3.821508	0.792838
PCDH9	1	26.70444	34.86237	29.30515	27.96704	12.56183	9.35987	28.58358	8.693046	20.97823	7.300344	26.28017	14.98301	0.570126
PCDHA13	1	7.558397	7.338594	6.630168	8.177722	6.496387	2.896385	8.517059	7.292987	7.285643	6.419589	7.240254	6.482333	0.895318
PCDHA3	1	0	0.011006	0	0	0	0	0	0	0	0	0.002201	0	0
PCDHB1	1	0.029912	0.050669	0.065326	0.134367	0.040585	0	0	0	0.057987	0.055939	0.064172	0.022785	0.355066

PCDHB11	1	0.732724	0.97264	1.459869	0.854628	0.087209	0.302731	0.505343	1.04651	1.395549	0.609016	0.821414	0.77183	0.939635
PCDHB14	1	1.262536	1.579609	1.012546	1.095067	0.263	0.479781	0.851602	1.658555	2.125967	1.227903	1.042552	1.268762	1.216977
PCDHB8	1	1.614916	1.836399	1.200131	1.253842	1.247753	0.097817	1.143872	2.183442	2.377013	0.907272	1.430608	1.341883	0.937981
PCDHGA2	1	1.046929	1.080421	0.894158	0.874969	0.19195	0.319983	0.768731	0.798628	1.272102	1.095625	0.817685	0.851014	1.04076
PCDHGA8	1	0.003982	0	0	0	0	0	0	0	0	0	0.000796	0	0
PCDHGB4	1	0.103718	0.01802	0.034849	0.052564	0.02165	0.020876	0.101721	0.134026	0.061867	0.092838	0.04616	0.082266	1.782181
PCDHGC3	1	0.97942	0.659124	1.501676	1.379157	0.43393	0.711311	1.129804	0.950512	1.157314	1.349016	0.990662	1.059592	1.06958
PCED1A	1	4.555028	4.688501	5.90864	7.04741	9.824604	64.76921	21.92977	24.05294	24.25987	58.56424	6.404837	38.71521	6.044683
PCED1B	1	0.468469	0.303161	0.494316	0.662062	0.557074	0.936587	0.402663	0.258471	0.163269	0.1575	0.497016	0.383698	0.772003
PCF11	1	8.363337	9.434636	11.57819	10.9425	5.184958	8.011891	7.370446	18.03661	16.50892	13.47022	9.100725	12.67962	1.393253
PCGF1	1	6.287248	6.209844	6.534416	5.230851	15.25114	13.01318	7.088149	18.23445	8.256338	16.66864	7.9027	12.65215	1.600991
PCGF2	1	4.599639	4.649718	5.459474	5.481696	9.305566	15.4525	5.311958	10.7626	11.88924	15.90826	5.899219	11.86491	2.011268
PCGF3	1	17.33696	18.49536	16.37212	18.30365	10.73515	11.33478	11.30634	8.281385	14.82686	11.82056	16.24865	11.51398	0.708612
PCGF5	1	7.871459	9.787751	10.02657	9.223551	5.663614	10.67991	15.15165	12.26656	20.32517	11.07401	8.514589	13.89946	1.632429
PCGF6	1	1.000303	0.945752	1.016103	1.003192	1.283598	1.542067	1.450017	4.008102	3.247035	4.498683	1.049789	2.949181	2.809307
PCID2	0.129316	19.00314	18.43583	25.28959	25.53267	41.85776	14.83021	13.31855	22.66069	7.411039	9.107399	26.0238	13.46558	0.517433
PCIF1	1	3.68882	3.672565	9.136532	10.13617	3.741346	6.912276	5.154885	12.07673	8.650808	22.29756	6.075086	11.01845	1.813711
PCK1	1	0.072851	0.041135	0.54095	0.200715	0.039539	1.86813	0.696617	0.263589	1.318139	1.598546	0.179038	1.149004	6.417666
PCK2	0.369487	0.836938	0.746675	1.498828	1.884817	2.407444	7.09555	10.2083	7.224479	7.398597	14.38573	1.47494	9.262532	6.279936
PCLAF	1	0.586903	0.284054	0.061037	0.033478	0.227523	1.023818	0.534488	0.216688	0	0	0.238599	0.354999	1.487847
PCLO	1	7.735209	8.192981	14.85398	7.231617	1.840903	3.613154	10.19687	17.58499	14.64034	12.16773	7.970938	11.64062	1.460383
PCM1	1	14.61547	20.32678	18.79711	16.40382	8.989959	7.648755	12.29345	14.18581	17.02125	10.82175	15.82663	12.3942	0.783123
PCMT1	1	93.2292	101.364	23.77014	28.41419	94.44184	103.318	167.1506	74.65652	45.14948	38.49136	68.24387	85.75319	1.25657
PCMTD1	1	25.52477	21.92704	21.3758	22.16695	20.24083	9.517949	7.045276	9.476387	13.44395	9.021299	22.24708	9.700971	0.436056
PCMTD2	1	18.12745	20.73086	23.42378	18.03958	13.83913	13.30434	12.98461	54.4619	19.74003	20.88411	18.83216	24.275	1.289018
PCNA	1	11.44784	12.82154	7.74989	8.840726	16.23713	9.976821	17.668	16.31759	12.14849	9.350338	11.41943	13.09225	1.146489
PCNP	1	60.36769	61.53714	42.1419	45.65074	43.23189	69.25976	74.61661	75.08533	120.1041	71.37932	50.58587	82.08901	1.622766
PCNT	1	4.477768	3.557391	8.008158	5.696518	2.135815	4.503876	3.102643	3.4979	2.737885	3.830292	4.77513	3.534519	0.740193
PCNX1	1	4.091538	4.985848	8.099102	6.36633	3.365863	4.478026	8.113801	10.05496	10.76257	7.28173	5.381736	8.138217	1.512192
PCNX2	1	15.96698	16.5699	17.96142	14.55283	17.02819	55.88309	42.10875	22.57976	20.54221	20.66852	16.41586	32.35646	1.971049
PCNX3	1	2.713271	2.628011	7.474621	9.260831	4.068444	5.534477	5.218505	5.909896	5.258354	8.873873	5.229035	6.159021	1.17785
PCNX4	1	4.34218	5.147161	6.269776	4.755775	3.694456	7.589435	11.19448	15.92076	19.3219	13.76861	4.84187	13.55904	2.800372
PCOLCE	1	3.006881	0.903691	4.289675	2.396441	3.19149	5.900997	2.267231	7.771112	3.948801	9.089903	2.757636	5.795609	2.101659
PCOLCE2	1	0.833616	0.974634	0.492629	0.751875	0.691955	2.309604	3.438585	7.629229	3.346195	0.163029	0.748942	3.377328	4.509468
PCP2	1	0	0	35.19585	0	0	0	0	7.368823	34.92689	128.0745	7.039171	34.07404	4.840633
PCP4	1	84.21226	89.90553	296.5063	361.5863	215.9366	383.2779	287.7734	417.0574	241.7511	238.9152	209.6294	313.755	1.496713
PCP4L1	1	13.73941	13.67034	11.04063	17.91836	31.30823	5.871096	8.770435	0	6.229249	5.180325	17.53539	5.210221	0.297126
PCSK1	1	22.74433	22.06343	9.69597	15.24998	4.218591	6.59641	79.20677	3.076614	2.642653	0.477265	14.79446	18.39994	1.243705
PCSK1N	1	41.92851	68.40673	104.9049	158.0149	16.67378	6.673775	1.724438	0.798981	25.97067	271.634	77.98575	61.36038	0.786815
PCSK2	1	37.4898	35.75524	23.04898	30.87301	13.79899	4.937338	27.34466	15.11521	13.43311	36.78229	28.1932	19.52252	0.692455
PCSK4	0.131048	0.602731	0.703547	1.670314	1.504687	1.319486	0	0.139916	0	0.13092	0.143134	1.160153	0.082794	0.071365
PCSK5	1	0.559625	0.508538	1.036909	0.666462	0.367484	0.879464	0.800873	0.851768	1.045887	0.260371	0.627804	0.767672	1.222791
PCSK6	1	2.140802	5.687311	39.82552	63.63221	8.103604	4.329173	6.297264	5.380072	7.42511	6.943674	23.87789	6.075059	0.254422
PCSK7	1	2.608736	2.649745	5.465956	5.14384	6.285061	5.994368	5.060929	7.35505	5.477962	20.41636	4.430668	8.860934	1.999909
PCTP	1	3.149771	2.260559	2.100124	2.045227	3.301816	5.802704	3.106769	1.699088	3.246491	3.441713	2.5715	3.459353	1.345267
PCYOX1	1	27.01334	29.04507	21.82916	17.76887	2.060996	7.654865	29.90641	28.81269	26.61139	10.19368	19.54349	20.63581	1.055892

PCYOX1L	1	5.914758	5.738463	7.635145	9.045261	11.03141	5.744016	5.506844	7.039078	10.13985	22.02976	7.873008	10.09191	1.281836
PCYT1A	1	7.65056	7.474434	8.183219	7.89528	5.625751	8.550845	4.842527	5.207033	5.096648	4.268192	7.365849	5.593049	0.759322
PCYT1B	1	9.788609	10.39378	2.762664	2.781586	8.328449	4.149055	5.900157	3.323905	1.147597	1.071909	6.811017	3.118525	0.457865
PCYT2	1	9.886123	8.158243	10.10382	12.59024	17.51148	22.33784	15.52644	12.14639	10.72455	15.56427	11.64998	15.2599	1.309864
PDAP1	1	53.60202	54.70443	38.5557	47.56138	64.17832	62.32092	45.4956	40.73606	43.72662	70.71928	51.72037	52.5997	1.017002
PDC	1	0	0	0.030338	0	0	0	0	0	6.929896	0	0.006068	1.385979	228.4245
PDCD1	0.421883	0.421921	0.073304	2.764375	3.421279	1.555963	0	0	0	0.223711	0.035968	1.647368	0.051936	0.031526
PDCD10	1	15.86779	15.3555	7.765481	9.55528	16.62412	24.93034	21.53817	13.52956	17.00853	8.332004	13.03363	17.06772	1.309514
PDCD11	1	5.229724	4.195412	6.377805	5.181967	2.503432	5.545538	8.12606	8.264206	15.51577	8.211723	4.697668	9.132659	1.944083
PDCD1LG2	1	0.016744	0.037818	0.073135	0	0.045437	0.175251	0.094879	0.057698	0	0	0.034627	0.065565	1.893494
PDCD2	1	7.109801	5.739772	4.364152	3.781384	4.872534	12.50368	12.21561	10.29143	11.67779	8.497064	5.173529	11.03711	2.133382
PDCD2L	1	0.773981	1.070279	1.793834	1.589394	1.757418	6.861043	6.679375	6.776558	6.287601	8.297349	1.396981	6.980385	4.996763
PDCD4	1	47.96245	36.97956	19.16501	19.10367	21.3046	26.06407	32.31965	35.7629	23.31864	17.04153	28.90306	26.90136	0.930744
PDCD5	1	25.24204	22.30574	19.96	28.19206	111.6509	100.5641	46.31085	32.09918	84.11036	71.28865	41.47015	66.87463	1.612597
PDCD6	1	20.75099	20.37004	14.73716	20.0386	42.86578	39.82085	22.26048	15.64074	13.53898	17.0024	23.75251	21.65269	0.911596
PDCD6IP	1	19.23457	20.28785	21.69879	20.80452	10.12394	14.46796	24.41391	29.22916	29.12373	20.41188	18.42994	23.52933	1.276691
PDCD7	1	9.066118	9.413284	7.652978	8.457774	15.72049	8.154775	7.018433	5.915523	5.897112	7.250398	10.06213	6.847248	0.680497
PDCL	1	5.299195	4.688817	5.607649	5.366243	5.254647	8.799406	12.69227	22.44927	21.15026	19.25272	5.24331	16.86879	3.217202
PDCL2	1	0	0.286371	0	0.018985	0	18.33023	7.712261	4.997173	0	0	0.061071	6.207932	101.6506
PDCL3	1	12.1957	8.749037	6.385835	8.038029	12.64803	25.17652	17.86984	15.24284	27.45403	20.46027	9.603327	21.2407	2.211806
PDE10A	1	3.174636	3.356892	6.508539	7.710818	3.761589	1.855968	6.08958	2.567346	3.035922	2.960362	4.902495	3.301836	0.673501
PDE11A	1	0.549076	0.387546	0.258909	0.455929	0.033864	0.4898	0.371241	1.467431	1.322493	0.840142	0.337065	0.898222	2.664832
PDE12	1	2.304926	2.882545	3.67286	2.6997	1.806946	2.725217	6.058824	4.787623	4.369066	5.08036	2.673395	4.604218	1.722236
PDE1A	1	20.39229	19.27303	13.58983	16.90603	10.16412	15.85547	37.87798	0.413017	14.18232	2.307885	16.06506	14.12733	0.879383
PDE1B	1	10.63269	8.011194	8.995831	18.98777	11.73218	10.99201	18.44332	17.22491	6.147366	10.29122	11.67193	12.61976	1.081206
PDE1C	0.898296	0.7823	0.934857	1.711618	0.799101	0.351244	2.426643	2.182209	9.844371	10.46346	6.180651	0.915824	6.219468	6.791118
PDE2A	1	40.34527	35.6182	17.03157	40.85501	69.64848	128.6615	144.0784	16.96975	3.456746	4.523714	40.69971	59.53803	1.462861
PDE3A	1	0.841827	0.626585	3.603913	0.951123	0.486742	2.177748	1.768513	2.942079	3.820313	6.428484	1.302038	3.427427	2.632356
PDE3B	1	3.164519	5.341475	10.69905	10.95108	2.899187	1.557014	1.738585	1.8524	2.621702	1.545549	6.611061	1.86305	0.281808
PDE4A	1	9.798983	11.36338	10.02616	11.71277	11.17685	5.242158	5.671806	2.299421	4.474354	13.78393	10.81563	6.294333	0.581967
PDE4B	1	14.53032	12.56587	12.487	13.53876	11.4301	28.12636	29.56676	9.97185	14.48029	11.59986	12.91041	18.74902	1.45224
PDE4C	1	0.378369	0.284863	0.6761	0.721074	1.24457	7.41049	3.167335	1.111221	0.355642	1.029234	0.660995	2.614784	3.95583
PDE4D	1	6.920475	7.70135	6.205326	5.445299	4.718228	5.890015	7.498511	5.999591	9.726757	8.696166	6.198135	7.562208	1.220078
PDE4DIP	1	41.05891	38.54467	34.88718	35.69885	19.16521	23.3192	39.25661	38.16335	19.6724	25.07904	33.87096	29.09812	0.859087
PDE5A	1	2.352484	1.229996	3.269982	2.204599	1.227396	5.00615	2.226034	3.177651	3.090766	1.261767	2.056891	2.952474	1.435406
PDE6A	1	0.398487	0.053806	0.312166	0.129713	0.141047	0	0	0	5.866622	0.0144	0.207044	1.176205	5.680939
PDE6B	1	0.04391	0.085007	0	0.022543	0.034045	0.328278	0.479861	0.064847	7.717938	0.114703	0.037101	1.741125	46.9294
PDE6C	1	0.268664	0.101135	0.298032	0.132819	0.277739	3.01287	0.53465	0.198385	0.573195	0.411164	0.215678	0.946052	4.386416
PDE6D	1	20.19071	21.1525	12.49928	13.99308	41.76499	43.47794	25.07205	27.93436	28.11195	33.87059	21.92011	31.69338	1.445858
PDE6G	1	0.293706	0.147415	0.463264	0.136822	1.151254	0	0.069346	0	4.217652	0.162746	0.438492	0.889949	2.029565
PDE6H	1	0	0	0	0	0	0	0	0	0.497899	0	0	0.09958	#DIV/0!
PDE7A	1	5.507749	6.386209	6.073903	10.80455	5.164585	8.019311	10.15092	6.750801	6.540349	10.28885	6.787399	8.350047	1.230228
PDE7B	1	5.947188	5.246644	3.126551	5.166382	6.261978	2.727813	1.634488	0.75775	1.169538	1.04097	5.149749	1.466112	0.284696
PDE8A	1	3.768319	5.032652	4.932613	6.007415	2.493337	7.180846	7.052782	2.060778	6.109997	1.258223	4.446867	4.732525	1.064238
PDE8B	1	29.71435	27.45165	9.641616	12.87497	20.66823	23.2788	24.80951	1.870175	4.526797	2.901138	20.07016	11.47728	0.571858
PDE9A	1	5.336789	4.392293	9.32815	5.914237	10.62677	3.345923	7.736385	19.41525	3.397015	3.055583	7.119648	7.390031	1.037977

PDF	1	2.511191	3.035614	3.205637	3.707215	8.830117	1.20313	0.977042	0.41134	1.828444	6.085272	4.257955	2.101046	0.49344
PDGFA	1	4.845819	5.345986	6.15891	6.705188	7.2766	8.285862	7.317866	3.747479	4.68503	6.043741	6.066501	6.015996	0.991675
PDGFB	1	3.433798	2.158291	3.015766	4.17622	9.717143	14.9202	5.065257	1.872592	2.008579	1.675778	4.500244	5.108482	1.135157
PDGFC	1	2.566043	2.61593	2.028647	2.80958	4.726288	5.681476	3.195141	9.422546	8.703618	6.562492	2.949297	6.713055	2.276154
PDGFD	1	9.714249	7.313572	7.691844	8.374129	1.227785	9.331879	11.17888	5.388029	3.852428	1.858163	6.864316	6.321876	0.920977
PDGFRA	1	15.32961	12.50054	13.06325	18.23456	5.160398	21.65006	17.35339	6.828534	5.293475	0.881473	12.85767	10.40139	0.808964
PDGFRB	1	7.262745	2.772207	7.961985	7.904939	6.342634	19.89329	7.281229	8.412508	6.451896	4.471325	6.448902	9.30205	1.442424
PDGFRL	1	1.161704	0.573965	1.559269	0.666807	0.558252	2.849802	1.234281	0.312746	1.563955	1.93114	0.903999	1.578385	1.746002
PDHA1	1	33.22979	34.84103	18.90198	16.31366	36.34419	27.08665	52.32587	41.01599	14.76651	18.34799	27.92613	30.7086	1.099637
PDHA2	0.000906	0.014037	0.031703	0	0	0	0.367289	1.043942	1.088299	0.870766	1.750005	0.009148	1.02406	111.9446
PDHB	1	47.4405	49.58748	29.53203	29.18676	63.67244	34.00713	62.01769	52.03286	49.64554	62.29448	43.88384	51.99954	1.184936
PDHX	1	12.56016	16.33827	13.11912	9.793476	11.74797	14.8693	26.5888	21.33386	18.08426	18.99781	12.7118	19.97481	1.57136
PDIA2	1	2.24134	1.978376	2.785085	3.564419	7.55039	1.752709	1.970786	1.098599	0.665915	1.220538	3.623922	1.341709	0.370237
PDIA3	1	125.8009	90.79709	74.70295	84.88855	93.16406	114.2276	131.2278	124.1784	106.3681	74.42186	93.8707	110.0847	1.172727
PDIA4	1	16.82059	14.46093	18.85111	20.1114	12.69838	13.27861	19.98781	18.93722	14.71066	18.56649	16.58848	17.09616	1.030604
PDIA5	1	1.459011	1.507442	1.378523	1.251927	3.481916	10.4514	5.211183	6.765919	4.332958	3.973466	1.815764	6.146986	3.385345
PDIA6	1	40.04375	37.30383	30.1238	37.58105	67.99641	34.74775	62.4157	44.2277	29.25787	30.6945	42.60977	40.2687	0.945058
PDIK1L	1	3.771325	4.547113	3.264968	2.564457	4.7817	3.025163	7.242985	9.427378	8.017013	6.646943	3.785913	6.871896	1.815123
PDILT	1	0	0.380706	0	0	0	0.185709	0	0.045856	0.091724	0.235957	0.076141	0.111849	1.46897
PDK1	1	11.46072	13.4693	11.04889	10.1851	8.564495	23.12334	32.60139	30.98307	26.78691	16.48314	10.9457	25.99557	2.374957
PDK2	1	18.80254	16.96912	41.97865	25.85353	32.82068	48.44417	44.0972	97.72938	55.99213	124.2922	27.28491	74.11102	2.716191
PDK3	1	13.6101	12.25846	12.69408	13.50031	11.32786	4.740507	9.848783	4.3895	3.824299	3.827222	12.67816	5.326062	0.420097
PDK4	1	4.154754	4.574127	10.64763	21.75334	10.57334	8.166701	3.780687	3.352328	18.31845	8.988478	10.34064	8.521329	0.824062
PDLIM1	0.043877	0.63996	0.17699	0.570469	0.672735	1.098692	8.133584	8.797615	5.198102	6.886799	5.992173	0.631769	7.001654	11.08261
PDLIM2	1	0.972715	1.182992	2.042665	1.299656	1.285973	2.088425	0.529992	0.773516	2.449823	1.534055	1.3568	1.475162	1.087236
PDLIM3	1	3.271453	5.087151	8.472671	11.4488	9.876964	10.5323	6.02357	1.65999	5.75547	25.53983	7.631407	9.902231	1.297563
PDLIM4	1	6.955882	5.480869	6.870644	12.91523	11.11109	2.730181	1.007788	3.554559	5.639086	17.76497	8.666742	6.139316	0.708376
PDLIM5	1	6.948808	4.319093	7.425749	8.162935	3.858377	5.429512	8.001727	6.965357	9.605424	1.924553	6.142993	6.385314	1.039447
PDLIM7	1	4.271704	3.49613	6.354905	8.650436	10.79877	7.47492	5.096194	2.884472	4.018243	6.913256	6.714389	5.277417	0.785986
PDP1	1	48.44383	48.56798	20.58516	25.95713	28.13805	11.30327	45.98393	10.9716	8.620272	11.52784	34.33843	17.68138	0.514915
PDP2	1	4.759355	5.059113	4.523963	4.123395	3.283381	3.326312	12.13118	5.779054	5.403806	4.729159	4.349841	6.273903	1.442329
PDPK1	1	14.91253	13.99652	16.75354	16.77737	9.473285	10.23189	12.51942	14.46796	15.56752	13.00474	14.38265	13.15831	0.914873
PDPN	1	2.645719	1.977857	3.173912	2.812188	0.505606	0	0.079183	0.096306	3.082234	0.681391	2.223056	0.787823	0.354387
PDPR	1	7.505823	7.390238	10.41459	9.243859	9.104081	2.825458	3.190966	5.990197	4.387825	4.249505	8.731718	4.12879	0.47285
PDRG1	1	4.659855	4.698573	4.87948	4.196477	7.700093	7.707891	8.681895	7.032328	4.452305	4.626992	5.226896	6.500282	1.243622
PDS5A	1	8.369151	9.553397	9.277119	9.514961	6.43984	10.52732	11.39692	14.36856	20.69161	7.267374	8.630894	12.85036	1.488879
PDS5B	1	16.86334	17.24165	11.18588	10.54881	3.982823	10.86373	18.71258	18.51762	20.98233	13.78229	11.9645	16.57171	1.385074
PDSS1	1	0.421914	0.414658	0.542905	0.289585	0.48273	1.265133	0.402234	0.87233	1.037517	0.875755	0.430358	0.890594	2.069424
PDSS2	1	1.76971	2.261918	2.24708	1.068179	1.321594	3.912794	7.287879	4.201437	3.049588	1.505132	1.733697	3.991366	2.302229
PDX1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PDXDC1	1	12.94831	10.98144	10.07839	10.7485	6.419708	16.97121	24.90682	25.28806	17.65718	20.98921	10.23527	21.1625	2.067605
PDXK	0.01029	45.78571	40.40475	99.45785	110.7189	57.97839	27.6163	8.883725	7.910867	6.710479	10.81817	70.86913	12.38791	0.1748
PDXP	1	21.03574	25.24664	29.52614	36.82249	53.26628	50.4292	26.31212	25.20296	16.0904	44.14703	33.17946	32.43634	0.977603
PDYN	1	1.157023	1.268041	1.951146	4.532249	2.079939	0.306586	1.587208	2.24585	0.479521	0.357079	2.19768	0.995249	0.452864
PDZD11	1	28.86156	22.20638	20.19284	19.97855	42.99366	69.13657	45.57065	32.02686	29.62501	44.4019	26.8466	44.1522	1.644611
PDZD2	1	7.750863	7.796231	6.315328	8.219164	4.463592	8.284565	7.650423	1.15335	1.823805	1.959871	6.909036	4.174403	0.604195

PDZD3	1	0.01859	0.010497	0.0203	0.027837	0	0.243223	0.207393	0.408388	0	0.239501	0.015445	0.219701	14.22488
PDZD4	1	23.39799	20.57089	20.32964	30.06004	21.80183	42.20065	9.874358	9.087279	8.229735	27.3454	23.23208	19.34748	0.832792
PDZD7	1	0.264193	0.622881	2.328194	1.232588	1.798621	2.522655	1.634945	4.81548	5.079752	9.215012	1.249295	4.653569	3.724954
PDZD8	1	14.50075	16.63799	16.69563	16.18959	6.051144	4.631181	12.30673	7.076352	14.51713	8.702591	14.01502	9.446795	0.674048
PDZD9	1	0.092192	0.26772	0.33078	0.418081	0	0	0	0.034038	0.068086	0.153254	0.221755	0.051076	0.230325
PDZK1	1	0.974704	3.973399	6.983224	1.964972	6.612565	1.181926	0.176809	0.061441	1.413341	1.165813	4.101773	0.799866	0.195005
PDZK1IP1	1	0.017768	0.040131	0.310439	0.042569	0	0	0.075513	0	0	0.236292	0.082181	0.062361	0.758821
PDZRN3	1	7.337497	5.634463	3.088999	4.627807	6.272823	3.95254	4.182457	1.31312	5.395223	3.188208	5.392318	3.60631	0.668787
PDZRN4	1	2.836098	2.435739	1.589421	1.109553	0.430894	3.993322	1.827652	1.926478	1.026084	1.46642	1.680341	2.047991	1.218795
PEA15	1	239.336	239.3007	100.5951	96.96343	669.6927	651.54	328.3368	266.7971	80.95324	116.6542	269.1776	288.8563	1.073107
PEAK1	1	5.213773	3.290374	6.435203	6.525591	2.563159	3.711403	2.827263	3.284534	4.76124	1.917023	4.80562	3.300293	0.686757
PEAK3	1	0.004388	0.019822	0.08625	0.14718	0.047631	0	0	0	0	0	0.061054	0	0
PEAR1	1	1.442384	0.57391	3.011374	3.43774	2.251146	8.64358	3.112635	1.941138	1.815856	4.807869	2.143311	4.064216	1.896233
PEBP1	1	417.7408	357.7946	360.4445	438.3648	1462.489	463.3607	375.179	278.9213	200.8885	559.6045	607.3667	375.5908	0.618392
PEBP4	1	6.214262	0.457457	0.703718	0.430099	0.824436	0.529976	0.117378	0.975521	0.095187	0.275471	1.725994	0.398707	0.231001
PECAM1	1	3.671362	2.970995	6.500243	7.40823	2.876978	22.37801	8.085148	5.40891	3.714726	6.409811	4.685562	9.19932	1.963334
PECR	1	13.87931	11.70171	8.181155	9.263677	13.78367	0	0.215867	0.820455	0	0	11.36191	0.207264	0.018242
PEF1	1	24.86986	25.05758	28.79222	34.40873	50.44972	37.2448	27.39698	21.02067	21.54355	31.01579	32.71562	27.64436	0.84499
PEG10	1	39.24393	44.23042	39.23967	40.76095	38.65646	29.98878	20.81566	27.00953	37.39523	41.54205	40.42629	31.35025	0.775492
PEG11AS	1	0	0.092416	0	0	0	0	0	0	0	0	0.018483	0	0
PEG3	0.02101	21.60081	23.84017	38.53399	41.48898	15.87106	2.113306	4.052495	4.43767	7.894238	10.66994	28.267	5.833531	0.206372
PELI1	1	8.443416	7.834845	8.505448	10.1653	5.659584	11.61062	16.30253	10.83514	12.95455	7.499897	8.121719	11.84055	1.457887
PELI2	1	3.132162	2.608492	4.10035	2.502539	1.657269	1.724602	2.92953	9.110664	16.36407	8.855408	2.800162	7.796855	2.784429
PELI3	1	4.974325	4.692637	4.622264	5.302945	4.749104	3.113045	6.036184	3.720847	1.203323	6.757068	4.868255	4.166093	0.855767
PELO	1	1.312455	1.390348	1.344394	1.516529	1.197696	4.13326	2.270609	3.091791	1.080783	0.926756	1.352284	2.30064	1.701299
PELP1	1	10.22638	5.57403	4.251791	5.423837	5.222873	8.006811	6.511623	8.733423	3.393004	9.01586	6.139782	7.132144	1.161628
PEMT	1	0.883061	0.974667	1.339083	1.433038	2.450595	1.534637	1.232091	0.964562	1.412599	5.157186	1.416089	2.060215	1.454863
PENK	1	21.76012	68.97164	19.42393	24.24692	101.4943	9.553509	82.17536	32.64811	0.226494	0.048554	47.17939	24.9304	0.528417
PEPD	1	6.605623	8.211113	8.240705	9.039988	11.94173	5.769855	11.59283	4.126722	5.453962	29.03974	8.807832	11.19662	1.271212
PER1	1	3.934753	6.191658	12.38953	14.90683	16.00471	8.134914	10.29065	9.02372	15.24476	19.83466	10.68549	12.50574	1.170347
PER2	1	4.396943	4.712431	4.662493	3.75442	7.954571	1.442127	0.842954	2.355687	4.258074	3.971727	5.096171	2.574114	0.505107
PER3	1	5.539548	4.717452	5.159023	2.038652	5.242947	2.784488	1.844271	5.227332	10.78782	6.166234	4.539525	5.362029	1.181187
PERM1	1	0.027051	0.008728	0.48106	0.3657	0	1.597661	2.44706	1.468128	1.698082	4.047049	0.176508	2.251596	12.75635
PERP	1	6.600732	0.74756	2.375086	3.624975	3.182113	0	0.442087	0.293282	3.324343	16.64757	3.306093	4.141456	1.252674
PES1	1	28.91923	26.87429	22.09227	23.68301	21.05438	28.22871	25.87787	24.79622	20.42569	40.60119	24.52463	27.98593	1.141136
PET100	1	22.56376	19.95288	5.734563	4.95798	92.51017	97.58778	22.12932	14.83748	14.49453	15.75801	29.14387	32.96142	1.13099
PET117	1	2.689845	1.95278	5.245103	5.696298	0.130346	4.524698	6.226122	4.965536	7.201075	11.2584	3.142874	6.835166	2.174814
PEX1	1	2.815668	2.423792	3.289377	2.821585	2.304728	11.64812	9.717066	10.17473	8.781173	16.19077	2.73103	11.30237	4.138502
PEX10	1	3.7963	3.537798	7.347282	7.75489	8.29178	0.121142	0.590264	0.179475	1.755126	4.617597	6.14561	1.452721	0.236384
PEX11A	1	2.841506	2.404886	2.339409	2.274337	4.386344	0.872763	1.022244	1.176983	3.382246	2.388422	2.849297	1.768532	0.620691
PEX11B	1	14.29572	13.89901	13.12948	12.84356	20.6815	25.08257	23.46223	26.94523	15.47817	20.06584	14.96986	22.20681	1.483435
PEX11G	1	3.172216	2.711839	4.633562	5.638676	10.81135	0.428419	1.841035	1.287062	0.24687	0.601041	5.393528	0.880885	0.163323
PEX12	1	3.283371	3.908158	4.388501	4.491634	4.294614	8.625843	10.1306	10.45436	1.391855	1.309934	4.073256	6.382519	1.566933
PEX13	1	6.574197	5.417717	4.171519	3.330992	1.880454	4.416849	10.30747	8.747882	12.49223	7.265981	4.274976	8.646083	2.022487
PEX14	1	5.382197	5.450848	5.642899	6.517873	6.931624	3.765851	7.180476	4.100128	2.436505	9.681515	5.985088	5.432895	0.907738
PEX16	1	4.109811	2.783198	3.578339	4.056256	8.65166	8.931889	5.324025	7.569194	4.693936	10.98548	4.635853	7.500904	1.61802

PEX19	0.88678	5.264046	6.075371	16.65514	12.36901	10.67442	58.37653	56.52328	35.10791	26.7148	30.99571	10.2076	41.54365	4.069875
PEX2	1	6.411366	5.754864	6.904519	9.401545	13.13875	5.727112	8.385702	5.570885	6.057433	2.333697	8.322208	5.614966	0.674697
PEX26	1	6.842358	7.835505	8.384556	10.09903	7.746432	5.152507	2.625035	2.54453	1.32847	1.770477	8.181575	2.684204	0.328079
PEX3	1	9.396502	9.338142	6.672828	6.274319	4.211451	5.900997	19.34876	14.32015	9.025831	8.243393	7.178648	11.36783	1.583561
PEX5	1	9.677533	8.53033	11.49296	11.71286	18.45576	8.635442	9.535851	13.8598	9.683099	13.14042	11.97389	10.97092	0.916237
PEX5L	1	9.046457	16.28884	21.2917	16.83086	4.579522	3.061837	9.827168	0.668653	1.307102	0.337224	13.60748	3.040397	0.223436
PEX6	1	5.233312	4.928039	10.99562	10.99478	5.680595	6.320224	5.565965	8.281582	6.215559	6.906073	7.566469	6.65788	0.879919
PEX7	1	5.069207	4.747886	4.134187	4.840912	3.886356	3.784531	5.664616	4.104393	5.60771	3.288186	4.535709	4.489887	0.989897
PF4	1	0	0	0.508172	0.398186	0	4.001043	0.070634	0	0	0	0.181271	0.814336	4.492353
PFAS	1	3.36348	3.41996	3.371979	3.910152	3.684632	0.987282	0.928348	2.424981	0.988099	7.29129	3.550041	2.524	0.710978
PFDN1	1	64.28319	59.0067	27.93634	33.5677	98.98856	130.6232	80.0472	65.27781	59.96345	48.15913	56.7565	76.81416	1.353398
PFDN2	1	49.37143	60.24896	34.55136	38.24575	160.497	187.2441	61.01254	55.94224	67.30501	117.8955	68.5829	97.87989	1.427176
PFDN4	1	12.87399	14.16238	9.625695	10.95846	45.21101	17.99277	10.49205	10.09906	7.986465	9.240139	18.56631	11.1621	0.601202
PFDN5	1	70.37888	56.75178	50.86072	58.20932	243.3988	67.76596	34.32125	23.19611	23.09729	21.36111	95.91989	33.94834	0.353924
PFDN6	1	57.5752	44.5656	27.64864	35.41042	142.0674	87.13498	46.43405	34.93233	31.64346	66.5033	61.45346	53.32962	0.867805
PFKFB1	1	0	0	0	0	0	0.30993	0.141575	0.248717	0.612316	0	0	0.262508	#DIV/0!
PFKFB2	1	3.319137	3.330358	4.437027	4.589113	2.617706	6.552434	13.34464	12.41436	9.668327	4.084137	3.658668	9.21278	2.518069
PFKFB3	1	17.99065	14.58635	24.28073	22.34517	14.83847	8.286932	16.41888	14.0536	13.94608	8.606538	18.80827	12.2624	0.651969
PFKFB4	1	3.077891	3.233925	5.512262	5.364596	5.814053	5.004572	5.652028	5.591202	2.539369	5.767985	4.600545	4.911031	1.067489
PFKL	1	7.324543	7.953509	25.28387	25.49449	14.70708	13.5846	24.37264	14.50943	13.9394	49.66224	16.1527	23.21366	1.437138
PFKM	1	99.59385	95.6188	94.14832	114.0891	120.2104	51.00417	100.5146	98.42901	98.44333	145.8766	104.7321	98.85354	0.943871
PFKP	1	34.10195	33.08445	38.99779	40.61438	24.18215	19.77825	33.35091	37.48836	51.16307	146.4508	34.19614	57.64628	1.685754
PFN1	1	44.72845	32.99812	63.41233	79.7212	171.3429	200.1909	65.07766	63.54622	64.56807	109.1362	78.4406	100.5038	1.281273
PFN2	1	111.9908	111.8971	51.59295	59.54316	132.8217	218.3564	247.1836	86.79815	103.7057	113.1451	93.56914	153.8378	1.644108
PFN3	1	0	0.077406	0	0.082108	0	0	0	0	0	0.113942	0.031903	0.022788	0.714306
PFN4	1	0	0.174802	0.112683	0	0.140014	0	0.164458	0.333366	0	0.171539	0.0855	0.133873	1.565762
PGA5	1	0.027478	0	0.06001	0.032915	0	0	0	0.177535	0.142049	0.045677	0.02408	0.073052	3.033665
PGAM1	1	119.0492	100.2647	147.4758	159.3185	258.1711	318.3413	315.9397	181.1784	146.6977	288.2366	156.8559	250.0787	1.594322
PGAM2	1	1.434497	0.473534	1.253154	1.321827	0.119777	2.309906	0.093792	0	1.825436	4.292304	0.920558	1.704287	1.851363
PGAM5	1	6.449167	7.376156	9.899809	12.68647	20.60412	7.3324	5.363447	5.538085	5.219339	10.96043	11.40314	6.882739	0.603583
PGAP1	1	0.142722	0.776578	3.570366	1.437664	0.070418	1.799373	8.395244	24.29421	4.091545	5.273445	1.19955	8.770763	7.311714
PGAP2	1	3.925755	4.155694	5.907147	7.8919	16.63557	6.256613	5.008823	3.90058	2.235489	2.903539	7.703213	4.061009	0.527184
PGAP3	1	11.7282	8.97319	10.79915	11.33528	21.17013	5.154886	4.3676	5.464781	3.496611	4.388278	12.80119	4.574431	0.357344
PGBD1	1	1.960962	1.529077	1.631491	2.069379	0.538476	0.916282	1.463392	2.654664	4.344628	2.697074	1.545877	2.415208	1.562355
PGBD2	1	0.399161	0.404934	0.591019	0.356589	0.146874	1.593261	1.782653	2.98992	1.014272	2.058097	0.379715	1.887641	4.971201
PGBD5	1	19.74779	17.12421	24.90566	22.34079	33.66292	21.34204	21.31995	25.25393	37.95992	70.35393	23.55628	35.24595	1.496245
PGC	1	0.248753	0	0.150908	0	0	0.144645	0	0	0	0	0.079932	0.028929	0.36192
PGD	1	17.91318	16.90869	14.02317	16.28413	19.38663	30.32351	24.25646	28.08134	21.53133	40.73997	16.90316	28.98652	1.714858
PGF	1	2.023289	0.430101	1.637549	1.682323	2.712973	0.996568	0.126453	0.707463	0.430692	1.028799	1.697247	0.657995	0.387684
PGGHG	1	0.424264	0.313989	0.598226	0.62171	0.223556	0.086226	0.052517	1.431819	0.851763	0.253349	0.436349	0.535135	1.226392
PGGT1B	1	4.587397	4.354044	4.652556	3.820035	4.397826	4.787791	6.52643	8.8159	8.04019	2.281217	4.362372	6.090306	1.3961
PGK1	1	174.9385	152.9115	81.87461	91.22189	166.7924	273.2234	372.3094	313.6454	179.6816	246.2381	133.5478	277.0196	2.074311
PGK2	1	0.103953	0.430448	0	0	0	0	0	0	0	0	0.10688	0	0
PGLS	1	17.15873	13.39324	12.98994	18.76231	32.18336	44.23836	20.22231	18.07369	11.92665	32.50844	18.89752	25.39389	1.343769
PGLYRP1	1	0	0	0	0	0	0.28655	0	0	0.283062	0.227552	0	0.159433	#DIV/0!
PGLYRP2	1	0.028637	0.01617	0.104236	0.045738	0.025903	0	0	0	0	0.111075	0.044137	0.022215	0.503323

PGLYRP3	1	0	0	0	0	0	0	0	0	0.017548	0.005643	0	0.004638	#DIV/0!
PGLYRP4	1	0	0	0.019969	0	0	0	0	0	0	0	0.003994	0	0
PGM1	1	30.27036	25.66703	23.11021	22.42597	23.80534	14.53203	31.30495	20.07888	9.755343	21.11451	25.05578	19.35714	0.772562
PGM2	1	3.405291	3.721785	7.463631	4.414852	1.206764	7.236794	7.469076	13.49243	5.070239	4.445546	4.042465	7.542817	1.865896
PGM2L1	1	55.84724	65.76014	27.7428	36.85516	35.84949	17.03891	30.52837	12.62501	25.57222	13.41399	44.41097	19.8357	0.44664
PGM3	1	17.46677	14.51058	14.3698	14.24404	20.95068	29.89667	42.8172	40.58994	19.57847	10.90731	16.30837	28.75792	1.763384
PGM5	1	5.075914	1.139628	3.893156	4.053604	2.049756	10.9418	9.450644	9.38591	7.216175	9.060657	3.242411	9.211038	2.840799
PGP	1	20.51796	21.73248	29.38266	30.91876	47.43436	44.77615	20.87339	14.52446	11.69169	26.74713	29.99724	23.72257	0.790825
PGPEP1	1	3.927073	3.063797	3.156926	4.200955	6.086831	1.341541	1.490419	1.601068	0.938694	0.485317	4.087117	1.171408	0.28661
PGPEP1L	0.029434	0	0	0	0.036112	0	0.946579	0.608555	0.155821	0.155843	1.453263	0.007222	0.664012	91.93902
PGR	1	0.036333	0.017096	0.099186	0.007254	0	0.03169	0.128675	0.0313	0.062609	0.18119	0.031974	0.087093	2.723888
PGRMC1	1	115.4751	99.32326	55.69707	71.01606	147.0254	72.15435	107.6754	124.5846	91.44678	123.7209	97.70738	103.9164	1.063547
PGRMC2	1	29.42952	27.43585	17.58178	17.49806	14.43457	22.05558	29.40964	19.80123	20.67665	12.7533	21.27596	20.93928	0.984176
PGS1	1	7.88205	8.502507	8.913224	9.093543	12.3855	8.559648	7.149754	6.454751	3.999575	8.709171	9.355365	6.97458	0.745517
PHACTR1	1	38.42963	37.30799	23.55149	36.76438	37.87751	63.91609	46.44922	14.48227	9.935694	21.09128	34.7862	31.17491	0.896186
PHACTR2	1	4.301667	4.89991	7.919406	6.623534	2.114692	5.471746	4.809647	3.653515	8.127977	3.326411	5.171842	5.077859	0.981828
PHACTR3	1	25.14261	22.82952	14.65335	21.33444	47.77981	16.38108	9.422822	15.54268	16.78105	25.36632	26.34795	16.69879	0.63378
PHACTR4	1	6.42673	5.70709	4.337114	4.540281	5.686744	7.185901	8.062064	6.882343	1.720836	1.748073	5.339592	5.119844	0.958846
PHAX	1	61.16356	67.93675	32.31277	42.2581	45.20648	28.47987	50.95395	38.2381	59.6303	30.75302	49.77553	41.61105	0.835974
PHB	1	20.96201	17.6672	18.3163	21.35297	38.89169	34.54675	32.99725	27.36193	25.44506	45.62689	23.43803	33.19558	1.416312
PHB2	1	28.0169	28.46738	32.18382	32.53945	31.92804	74.04199	36.28323	38.92172	59.9877	100.7257	30.62712	61.99207	2.024091
PHC1	1	5.355363	4.57007	8.855104	8.600334	7.430649	9.648758	6.075908	11.18557	11.30836	10.19458	6.962304	9.682636	1.390723
PHC2	1	8.04723	7.592971	13.74451	14.87941	16.03324	19.4117	11.92842	19.9968	12.92361	27.87454	12.05947	18.42702	1.528012
PHC3	1	3.762231	5.008115	8.449734	5.923107	2.348046	3.402418	4.550901	8.771949	11.53288	7.348085	5.098247	7.121246	1.396803
PHETA1	1	0.86342	1.062485	2.522905	2.717675	4.055881	4.019962	1.176754	1.554328	0.861931	1.702554	2.244473	1.863106	0.830086
PHETA2	1	1.065271	0.52735	0.430245	0.585599	1.722598	0.076369	0.062018	0.848568	0	0.145548	0.866213	0.226501	0.261484
PHEX	1	0	0.007127	0.068912	0.00756	0	0.115592	0.120691	0.391436	0.228371	1.106761	0.01672	0.39257	23.47938
PHF1	1	18.76011	16.87677	22.39887	29.07586	51.37857	39.75675	21.5582	35.66979	18.68775	30.98985	27.69804	29.33247	1.059009
PHF10	1	12.21763	16.01849	15.61921	16.00972	10.8359	11.07234	5.888907	9.010646	11.86189	9.721448	14.14019	9.511046	0.672625
PHF11	0.334607	8.752255	11.78625	6.143973	7.405557	24.41049	7.270384	4.335867	5.497845	2.917648	5.643576	11.6997	5.133064	0.438735
PHF12	1	5.798831	6.328457	9.436568	10.91708	5.534627	9.816405	9.471622	14.08976	8.930861	12.50489	7.603113	10.96271	1.441871
PHF13	1	5.136316	4.914903	4.474161	4.943344	2.15458	2.923972	6.936068	4.129287	4.155224	6.631825	4.324661	4.955275	1.145818
PHF14	1	11.83089	13.60388	8.37646	7.162714	6.580244	11.08949	15.87583	12.58216	14.89106	7.340716	9.510837	12.35585	1.299134
PHF19	1	1.563368	0.970574	4.692476	2.176703	2.099022	1.370742	0.695723	3.025038	2.158034	3.020641	2.300429	2.054036	0.892893
PHF2	1	6.085678	5.185484	8.474526	8.734825	6.449617	14.2996	9.661027	19.05422	11.60136	19.27604	6.986026	14.77845	2.11543
PHF20	1	12.39154	12.94778	7.49687	8.436992	6.202353	10.91072	16.173	18.72894	18.17572	25.89041	9.495107	17.97576	1.89316
PHF20L1	1	6.584593	7.273821	4.443726	3.676531	3.456758	5.592595	7.757146	12.05941	17.89065	12.36411	5.087086	11.13278	2.18844
PHF21A	1	4.090589	4.150052	4.619835	3.736285	4.624695	6.310433	3.831248	10.20387	6.530475	5.620151	4.244291	6.499235	1.531289
PHF21B	1	1.128045	1.403702	2.370639	2.518986	3.061142	2.29454	1.682449	2.992377	3.895057	3.177203	2.096503	2.808325	1.339529
PHF23	1	13.04985	11.68159	10.83383	14.30431	15.29719	25.56727	23.43796	19.98343	13.8423	23.11442	13.03335	21.18908	1.625758
PHF24	1	66.84999	65.03144	29.65733	42.18999	58.20524	57.43304	61.59336	9.588445	5.030989	5.719369	52.3868	27.87304	0.532062
PHF3	1	8.320451	8.484994	7.805508	7.610814	3.7713	4.455056	6.959267	9.991669	8.222053	5.800844	7.198613	7.085778	0.984325
PHF5A	1	9.732854	11.67101	7.568829	9.869069	29.00226	38.66298	22.84261	21.02425	11.90832	24.70009	13.5688	23.82765	1.756061
PHF6	1	7.204751	6.956351	1.905965	1.622033	2.761187	6.103225	10.4033	13.39122	3.803498	1.938651	4.090057	7.127979	1.742758
PHF7	1	0.399892	1.132962	0.796738	0.697532	0.076153	0.146861	0	0.163184	0.761635	4.956495	0.620655	1.205635	1.94252
PHF8	1	5.091016	4.344121	9.254183	7.449586	2.211297	3.53344	2.973892	7.387689	6.138357	4.958232	5.67004	4.998322	0.881532

PHGDH	1	34.88753	20.07973	43.95921	53.71278	44.70529	61.05515	26.56947	25.61441	46.22345	93.84691	39.46891	50.66188	1.28359
PHGR1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PHIP	1	8.386644	10.44073	12.0603	8.7105	4.53915	5.779914	7.067156	20.96581	22.51597	15.33021	8.827465	14.33181	1.623548
PHKA1	1	7.507291	8.063652	7.424089	6.673972	4.360592	2.692781	2.527324	2.757724	6.519204	3.393336	6.805919	3.578074	0.52573
PHKA2	0.00273	4.937903	4.366899	3.828343	3.464481	4.06023	12.7424	13.04141	40.9184	32.45331	20.71115	4.131571	23.97333	5.802474
PHKB	1	23.81686	24.42744	13.29597	13.40207	11.82898	123.0137	102.6869	49.36561	49.70383	40.73971	17.35426	73.10196	4.212335
PHKG1	1	1.258414	1.496498	0.978571	0.730883	6.079597	6.086778	6.381296	15.79337	2.612076	6.22817	2.108793	7.420337	3.518761
PHKG2	1	13.37142	14.0955	11.63504	12.20251	46.92987	18.44404	16.02308	17.39989	11.01649	15.84361	19.64687	15.74542	0.801421
PHLDA1	1	8.076626	6.974064	5.765082	6.483806	5.454682	5.38643	8.208116	2.221925	11.51813	3.462189	6.550852	6.159359	0.940238
PHLDA2	1	0.047247	0.480212	0.567527	1.273443	1.98732	0.247262	0	0.244217	0	1.099575	0.87115	0.318211	0.365277
PHLDA3	0.565786	10.35508	10.56021	20.74482	30.27965	23.9066	0.463616	0.418327	0.585103	0.966833	7.330503	19.16927	1.952876	0.101875
PHLDB1	1	13.83639	15.87317	63.81441	104.1022	55.90057	34.50663	33.02402	36.59818	25.37984	34.15107	50.70534	32.73195	0.645533
PHLDB2	1	4.489898	1.194677	2.506379	2.413937	1.372649	1.835934	2.508001	2.242059	2.263473	0.37522	2.395508	1.844937	0.770165
PHLDB3	1	1.036361	0.542366	1.122485	1.37266	0.777395	0.837794	1.700897	69.98722	3.615298	4.468016	0.970254	16.12184	16.61612
PHLPP1	1	10.70173	11.83518	18.71708	24.47068	15.82538	11.54737	15.31985	8.091155	12.49992	8.588784	16.31001	11.20942	0.687272
PHLPP2	1	6.038732	7.3546	7.139831	5.39285	5.180944	3.429173	5.749858	6.511954	9.431217	7.816777	6.221391	6.587796	1.058894
PHOSPHO1	1	0.979872	1.106575	1.284001	1.252035	2.370987	0.598266	1.596337	0.738624	0.464345	1.398117	1.398694	0.959138	0.685738
PHOSPHO2	1	7.710625	8.614358	5.232337	4.15643	10.8357	8.286619	10.94263	9.394474	8.043409	4.875278	7.309889	8.308483	1.136609
PHOX2A	1	0	0	0	0	0	0	0	0.034254	0	0.066098	0	0.02007	#DIV/0!
PHOX2B	1	0.00609	0	0.053199	0.007295	0	0	0	0	0	0	0.013317	0	0
PHPT1	1	17.24966	16.79809	20.54248	23.7328	94.46782	64.59762	29.41669	14.29492	22.45517	85.66044	34.55817	43.28497	1.252525
PHRF1	1	3.4766	3.517171	10.63777	11.76065	1.877042	3.392457	2.393274	4.193034	5.466715	12.38329	6.253846	5.565753	0.889973
PHTF1	1	2.263543	2.774447	2.981439	1.984013	2.26088	4.320719	4.735259	1.323059	3.061641	1.172213	2.452864	2.922578	1.191496
PHTF2	1	3.047953	3.182451	2.024517	1.781145	1.95207	2.367414	4.4439	7.628103	4.638868	3.957216	2.397627	4.6071	1.921525
PHYH	1	74.31589	64.66381	40.65796	49.93068	85.80864	62.89763	86.24525	57.24102	79.18667	81.98687	63.0754	73.51149	1.165454
PHYHD1	1	2.811424	1.20874	3.334945	3.128452	5.770369	6.273607	5.155344	2.176101	3.246182	2.443518	3.250786	3.85895	1.187082
PHYHIP	1	108.6249	107.6539	89.17605	103.0334	161.1859	81.03427	110.4868	182.1571	71.07136	195.1663	113.9348	127.9832	1.123302
PHYHIPL	1	69.60193	62.62982	55.00616	51.72114	84.59841	33.65262	63.70533	36.79373	48.30382	22.12415	64.71149	40.91593	0.632282
PHYKPL	1	1.413868	0.620935	0.909195	0.931515	3.730196	5.302785	5.15755	2.578143	4.385512	3.394907	1.521142	4.16378	2.737272
PI15	1	1.707596	0	0.093379	0.108838	0.04351	0	0.130605	0.99452	0.676925	1.039485	0.390665	0.568307	1.454718
PI16	1	0.977861	0.115653	7.857026	6.656253	0.215156	0.27662	0.084239	0.273214	0.546507	1.405865	3.16439	0.517289	0.163472
PI3	1	0	0	0.097311	0	0.120914	0	0	0	0	0	0.043645	0	0
PI4K2A	1	8.889549	8.530596	11.6354	11.93361	9.075419	10.53826	13.53575	16.6196	11.06391	17.58653	10.01292	13.86881	1.385092
PI4K2B	1	1.98613	1.941811	2.339509	2.241489	2.033615	3.921836	3.74172	4.313179	5.300159	2.246929	2.108511	3.904765	1.851906
PI4KA	1	45.57622	47.32577	62.57637	71.87089	32.71541	26.24739	38.2247	44.67738	24.06337	36.60205	52.01293	33.96298	0.652972
PI4KB	1	13.17434	13.24241	15.00964	16.79754	22.1197	16.60845	16.38013	21.03425	13.6042	26.708	16.06873	18.86701	1.174144
PIANP	1	13.78582	13.01085	31.55605	53.64919	52.74566	10.30125	12.87804	7.87696	8.972287	19.08155	32.94951	11.82202	0.358792
PIAS1	1	15.57325	15.85681	9.042893	8.888363	7.637573	10.7284	17.19265	21.08775	18.6309	10.95997	11.39978	15.71993	1.378969
PIAS2	1	9.047248	10.0124	9.074296	7.863512	8.456421	4.807202	7.61294	7.216762	9.413163	6.710576	8.890775	7.152129	0.804444
PIAS3	1	4.781704	4.089386	3.911575	4.090455	9.008988	8.059143	8.12159	9.8201	5.85542	7.930237	5.176422	7.957298	1.53722
PIAS4	1	3.695288	3.698893	7.153277	5.696684	1.253475	3.516119	3.83692	7.379747	4.178847	9.702834	4.299523	5.722893	1.331053
PIBF1	1	1.591053	1.90605	1.620007	1.126807	1.23985	1.744065	1.656188	2.306047	1.750628	1.107983	1.496754	1.712982	1.144465
PICALM	1	40.28567	43.75637	39.65322	41.74229	49.34056	61.96615	64.01522	55.19111	49.25258	29.69889	42.95562	52.02479	1.211129
PICK1	1	12.59117	12.37059	9.409297	11.25851	14.67513	13.8948	14.27773	8.945663	6.231298	14.87896	12.06094	11.64569	0.965571
PID1	1	19.2873	16.13578	10.80718	13.98728	27.17093	15.25788	8.839501	4.150794	13.57619	13.00035	17.47769	10.96494	0.627368
PIDD1	1	0.215872	0.207477	0.91282	0.951838	0.461167	4.326625	1.92271	1.127689	1.709588	3.214394	0.549835	2.460201	4.474437

PIEZO1	1	1.38267	1.434362	4.469351	8.303468	1.502091	3.509803	1.761886	0.706376	3.217743	3.65768	3.418388	2.570698	0.75202
PIEZO2	1	0.53989	0.477346	0.40702	0.566178	0.104276	0.563074	0.522586	0.039724	0.864129	0.520601	0.418942	0.502023	1.198311
PIF1	1	0	0	0.138485	0.020716	0	0.060335	0.048997	0.029796	0	0.028748	0.03184	0.033575	1.054498
PIFO	1	0	0.009785	0.170312	0.18683	0	0	0	0	0	0	0.073385	0	0
PIGA	1	0.821898	0.839593	0.975702	0.747602	0.60155	1.945384	1.601555	3.675394	6.188254	2.607816	0.797269	3.20368	4.018319
PIGB	1	2.010583	1.747392	1.112935	0.588242	2.765745	4.170024	7.245338	11.85317	5.316739	4.605233	1.644979	6.6381	4.03537
PIGC	1	34.05719	31.71256	0.883135	1.520465	61.48127	25.10068	15.58624	18.37597	1.277505	0.261412	25.93092	12.12036	0.46741
PIGF	1	4.763267	3.944736	1.81636	2.934457	8.986606	13.13652	14.74877	13.87362	9.849746	4.650335	4.489085	11.2518	2.506479
PIGG	1	2.973559	4.524809	4.421089	3.705107	2.943834	1.13206	2.318901	2.586697	3.872265	2.892836	3.71368	2.560552	0.689492
PIGH	1	5.709881	6.343637	4.684735	4.991229	9.129334	17.84825	26.62748	20.50008	17.15236	13.18581	6.171763	19.06279	3.088711
PIGK	1	20.21354	17.48816	9.528847	8.144033	11.27453	10.15582	31.3843	24.94226	23.9696	17.14723	13.32982	21.51984	1.614413
PIGL	1	4.338777	3.817129	3.274894	3.783938	14.37564	3.02321	2.246155	1.111802	0.698949	1.307648	5.918075	1.677553	0.283463
PIGM	1	1.658102	2.799487	3.298546	3.185835	1.752298	0.687318	1.104691	1.640566	2.376337	1.400901	2.538854	1.441963	0.567958
PIGN	1	3.907151	4.785064	3.935152	3.648857	3.849921	3.910814	2.474629	4.872439	8.824613	5.940078	4.025229	5.204514	1.292973
PIGO	1	5.411165	5.634451	10.48894	7.458675	3.225223	9.977248	11.86909	24.12229	18.05503	12.30597	6.44369	15.26593	2.369128
PIGP	1	9.223086	7.26578	11.57402	10.53596	20.73928	3.600595	6.401153	6.487768	3.652905	2.441967	11.86762	4.516878	0.380605
PIGQ	1	3.878781	4.153762	7.789523	9.835703	7.793481	2.83874	2.818458	2.957416	2.266402	2.729828	6.69025	2.722169	0.406886
PIGR	1	1.55847	1.413957	3.045966	1.733985	1.017869	0	0	0	0.819328	0.035128	1.754049	0.170891	0.097427
PIGS	1	15.60064	17.53896	25.66025	28.8524	31.44778	23.22736	20.45177	33.27399	19.69269	28.4664	23.82001	25.02244	1.05048
PIGT	1	6.308294	6.45924	7.735462	7.278247	6.012432	2.260828	2.464079	3.212369	4.048697	5.703105	6.758735	3.537816	0.523443
PIGU	1	7.926703	6.739185	7.67219	11.31619	15.76619	13.72947	16.48495	16.00477	6.053595	4.529533	9.884092	11.36047	1.149369
PIGV	1	1.181072	1.499652	1.657241	2.543706	3.30468	2.337867	2.587741	3.890641	3.448305	1.597118	2.03727	2.772334	1.360809
PIGW	1	3.143992	2.309287	2.749334	2.732769	2.861261	2.039972	4.385989	4.095765	3.171376	3.176185	2.759329	3.373857	1.222709
PIGX	1	2.613125	2.062261	2.252748	2.64515	1.451407	2.679087	3.230991	2.665844	5.648463	3.226161	2.204938	3.490109	1.58286
PIGY	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PIGZ	0.536558	1.924505	2.854796	3.173726	4.097454	6.423932	0.840854	1.14566	0.396794	0.664497	0.504507	3.694882	0.710463	0.192283
PIH1D1	1	6.762865	5.786614	9.425014	8.847185	18.02606	27.21604	12.23487	12.64984	8.754512	12.91302	9.769548	14.75366	1.510168
PIH1D2	1	2.967037	2.631434	1.764159	1.972486	2.824371	0.325183	0.264076	0.802947	0.722757	0.232408	2.431897	0.469474	0.193048
PIH1D3	1	0.565122	0.850927	0.452541	0.406174	1.380199	0.197164	0.120086	0.048684	4.576978	1.064677	0.730993	1.201518	1.64368
PIK3AP1	1	1.041541	1.261762	1.220058	0.913057	0.732295	4.261477	3.319834	1.67626	2.104807	0.409237	1.033743	2.354323	2.277475
PIK3C2A	1	7.363518	11.38956	12.69449	10.74815	3.953982	6.151678	12.56042	17.40765	30.46493	11.80969	9.229939	15.67887	1.698698
PIK3C2B	1	4.386028	4.185449	6.251783	6.634948	3.550667	26.3719	13.50586	15.00808	9.431695	5.854618	5.001775	14.03443	2.80589
PIK3C2G	1	0.038704	0.025496	0.014088	0.023181	0	0.033758	0.164486	0.216725	0.050021	0.005362	0.020294	0.09407	4.635418
PIK3C3	1	15.09135	16.11535	11.51483	10.66421	8.381149	16.7548	25.72045	36.06524	14.24361	22.20821	12.35338	22.99846	1.861714
PIK3CA	1	6.287182	8.098582	3.216928	2.013779	4.605732	4.415758	9.400301	10.61159	3.135983	1.936337	4.84444	5.899994	1.21789
PIK3CB	1	8.968798	10.00577	7.276762	7.62338	5.410787	14.84791	31.0682	15.60465	16.04287	8.560448	7.8571	17.22482	2.192261
PIK3CD	0.723824	3.877566	2.54285	4.416233	6.679181	3.601354	1.283715	0.414321	0.585188	0.780365	1.291253	4.223437	0.870968	0.206223
PIK3CG	1	0.852136	0.729943	0.126888	0.150795	0.348176	1.570962	0.936238	0.506778	0.275327	0.008048	0.441588	0.659471	1.493408
PIK3IP1	1	3.85738	3.494298	6.830079	6.975815	10.03995	3.733498	5.288219	17.68726	21.27068	13.62431	6.239505	12.32079	1.974643
PIK3R1	1	53.74604	56.11165	22.93268	33.99088	37.7703	32.80197	38.35689	19.44827	27.62552	14.14405	40.91031	26.47534	0.647156
PIK3R2	1	19.80325	17.22034	8.853089	12.01418	28.15983	88.36155	38.83305	24.25585	9.672039	12.49143	17.21014	34.72278	2.017577
PIK3R3	1	8.743379	7.100082	18.61008	7.739541	8.386447	8.69315	5.876129	83.27357	67.86673	65.18545	10.11591	46.179	4.564989
PIK3R4	1	9.137766	8.432636	10.85543	12.00318	4.83043	4.401183	11.90842	8.684229	11.17124	5.372614	9.051889	8.307537	0.917768
PIK3R5	1	1.988777	2.672174	3.289263	4.547321	2.875714	0.455821	0.3933	0.112552	1.500914	0.929062	3.07465	0.67833	0.22062
PIK3R6	1	0.217168	0.113192	0.246264	0.185103	0.237996	1.595489	0.701082	0.323803	0.842011	0.263812	0.199945	0.74524	3.727228
PIKFYVE	1	2.493624	3.327508	3.892999	3.332779	1.502501	3.164938	3.957982	4.935172	6.017289	3.564535	2.909882	4.327983	1.48734

PILRA	1	0.275582	0.062243	0.060186	0.148553	0.074784	0.973491	0.131759	0.160251	0.106849	0.652805	0.124269	0.405031	3.259296
PIM1	1	2.356122	3.083739	4.565674	3.678888	4.749108	2.565855	6.540467	6.423645	4.998851	5.98819	3.686706	5.303401	1.43852
PIM2	1	6.171124	6.614903	5.23789	6.663061	15.06926	4.151591	4.978752	10.79949	4.768682	7.989031	7.951247	6.53751	0.822199
PIM3	1	4.799067	6.38776	12.06374	11.98455	16.18893	6.197831	4.432183	2.512561	5.071543	9.43214	10.28481	5.529252	0.537614
PIMREG	1	0.072841	0.02742	0.053027	0.058171	0.065889	0.127067	0.103189	0	0	0	0.05547	0.046051	0.830207
PIN1	1	56.08587	53.72761	57.75986	76.54423	229.9901	112.492	62.23999	17.72779	30.05629	63.41581	94.82154	57.18637	0.603095
PIN4	1	18.33755	15.70221	9.946111	12.98675	39.91904	92.16996	35.36948	32.08099	23.96007	33.22997	19.37833	43.36209	2.237658
PINK1	1	41.40692	36.82031	60.42157	82.85628	71.43742	42.44114	34.03358	25.14784	32.49488	63.98269	58.5885	39.62003	0.676242
PINX1	1	2.266147	2.542447	3.234756	1.933933	2.210633	3.100521	3.556508	3.292017	4.134763	5.416735	2.437583	3.900109	1.59999
PIP	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PIP4K2A	1	16.68305	25.47873	33.60638	49.66955	22.69623	37.74457	37.05026	19.12628	17.62678	14.10563	29.62679	25.1307	0.848243
PIP4K2B	1	39.35907	34.76976	32.93708	37.32131	51.21185	50.57976	39.34372	50.63472	37.70815	43.23497	39.11981	44.30026	1.132425
PIP4K2C	1	26.57072	24.08313	18.06213	20.55988	40.69864	12.2194	46.04929	27.89849	43.52447	43.89938	25.9949	34.71821	1.335578
PIP4P1	1	13.98859	13.71781	15.67502	18.5508	36.30476	21.82854	27.60352	24.05403	14.79581	24.1573	19.6474	22.48784	1.144571
PIP4P2	1	14.71965	13.40631	11.15719	10.14809	9.225587	10.09793	20.579	5.746685	6.270023	1.466306	11.73136	8.831989	0.752853
PIP5K1A	1	12.14001	12.17151	9.027148	10.1321	15.49152	5.861642	9.021239	9.151088	8.722816	10.7991	11.79246	8.711177	0.738708
PIP5K1B	1	21.27186	14.93554	5.679236	7.383795	14.86186	14.34204	30.60576	27.90093	11.58747	10.17382	12.82646	18.92201	1.475232
PIP5K1C	1	17.83935	17.86706	48.49686	33.30788	11.88801	9.427026	12.39683	13.46138	18.44092	35.69698	25.87983	17.88463	0.691064
PIP5KL1	1	0.437866	1.015697	0.646136	0.751334	0.867082	0.55739	0.276618	0.489357	1.774178	0.236069	0.743623	0.666722	0.896587
PIPOX	1	2.295901	1.930955	1.761731	1.89131	2.432257	4.07723	3.545462	4.044843	1.176205	3.289341	2.062431	3.226616	1.564473
PIR	1	7.011173	4.756676	4.395687	5.811987	9.983234	0.139512	0.254915	0.137795	1.171424	1.484561	6.391752	0.637641	0.09976
PIRT	1	0.456216	0.286226	0	0.121444	0.275115	0	0.538575	0	0.262052	0	0.2278	0.160125	0.702921
PISD	1	8.559343	9.574418	10.65057	14.63024	13.70044	8.523829	8.891094	8.591691	16.34634	30.86279	11.423	14.64315	1.2819
PITHD1	1	28.78911	32.42799	28.172	40.12548	81.74539	75.59008	48.75654	54.73311	58.44584	88.62808	42.252	65.23073	1.54385
PITPNA	1	45.38027	46.94287	43.17492	41.04329	67.27871	34.12268	43.25386	30.69782	22.8389	42.79979	48.76401	34.74261	0.712464
PITPNB	1	26.59162	25.57724	14.27918	16.20481	24.52995	36.05369	32.30238	21.83891	31.49927	19.62197	21.43656	28.26325	1.31846
PITPNC1	0.16913	17.95384	19.33468	30.56924	23.4098	22.8225	4.764085	9.197966	5.166738	13.457	7.220233	22.81801	7.961205	0.3489
PITPNM1	1	24.742	21.14885	39.02731	49.45064	17.24284	37.66948	14.22319	22.74575	23.63779	47.45364	30.32233	29.14597	0.961205
PITPNM2	1	10.05738	9.406723	8.972256	13.25192	7.003203	19.60947	12.51675	6.967759	6.198214	10.04859	9.738295	11.06816	1.13656
PITPNM3	1	11.54431	9.297295	10.46314	16.14722	10.87954	16.67703	8.807655	7.611484	11.63288	14.08266	11.6663	11.76234	1.008232
PITRM1	1	8.454784	7.481847	10.45055	10.04052	10.22698	6.410582	10.85491	7.746161	7.248767	17.02678	9.330935	9.85744	1.056426
PITX1	1	0	0	0.146264	0.080225	0	0	0	0	0.148381	0	0.045298	0.029676	0.655131
PITX2	1	0	0	0.187891	0.26795	0	0	0	0	0.400281	0	0.091168	0.080056	0.878114
PITX3	1	0.018822	0	0.164423	0.063881	0.068101	0	0	0	0.405422	0.14601	0.063045	0.110286	1.749315
PIWIL1	1	0.010425	0.147165	0.05692	0.081173	0	0.027279	0.553822	1.145085	0	0.043325	0.059137	0.353902	5.984482
PIWIL2	1	0	0	0.021061	0	0	0	0	0	0	0	0.004212	0	0
PIWIL3	1	0	0.038712	0.046791	0.051329	0.023256	0	0	0	0.044303	0	0.032018	0.008861	0.276743
PIWIL4	1	0.405978	0.285715	0	0.162106	0.079833	0.246332	1.37529	0.030412	0.912503	0.909608	0.186726	0.694829	3.721111
PJA1	1	16.14006	15.93772	11.19563	11.84422	12.76236	14.53161	24.60029	13.22854	15.05744	16.02967	13.576	16.68951	1.22934
PJA2	1	95.96716	94.70628	61.91316	54.6034	9.360943	63.27536	149.5937	97.23833	110.348	78.99436	63.31019	99.88993	1.577786
PJVK	1	1.177439	1.08345	0.634934	0.626865	1.696208	0.532512	0.710444	0.901637	2.479862	1.618998	1.043779	1.248691	1.196317
PKD1	1	3.95345	3.844647	16.61804	14.64376	5.136916	2.831442	3.545093	5.043457	9.256845	14.19135	8.839362	6.973638	0.78893
PKD1L2	1	0.009441	0.005331	0.005155	0.022619	0.019215	0	0	0	0.219634	0.011771	0.012352	0.046281	3.74676
PKD1L3	6.19E-06	0.071365	0.049251	0.051953	0.199471	0.043036	0	0.008425	0.133206	0.881335	0.09227	0.083015	0.223047	2.686823
PKD2	1	11.04425	8.118741	12.47653	10.91405	4.477636	23.11926	33.17679	20.13151	15.38142	18.89901	9.406241	22.1416	2.353927
PKD2L1	1	0.133918	0.12516	0.554689	0.315308	0.413536	0.169168	0.068689	0.381908	0.190982	0.038382	0.308522	0.169826	0.550449

PKD2L2	1	0	0	0	0.036911	0	0	0	0	0	0.038417	0.007382	0.007683	1.040785
PKDCC	1	5.430157	4.635784	5.605284	6.34966	14.85966	3.547242	3.948765	7.184271	5.039564	7.203662	7.37611	5.384701	0.730019
PKDREJ	1	0.004412	0.014947	0.077081	0.005285	0.005986	0	0.01875	0.017103	0.079825	0.066004	0.021542	0.036336	1.686767
PKHD1	1	0	0.003346	0.006471	0.003549	0	0.046515	0	0.065085	0.022975	0	0.002673	0.026915	10.06885
PKHD1L1	1	0.002756	0.009338	0.066214	0.036318	0.007479	0.302908	0.216703	0.160274	1.097147	0.201597	0.024421	0.395726	16.20419
PKIA	1	56.92897	56.46862	19.33788	27.89141	38.67135	165.6008	79.38856	81.69794	110.2568	92.86834	39.85965	105.9625	2.65839
PKIB	1	5.637414	5.785448	12.44945	6.426061	2.250557	12.58111	15.25845	77.94858	49.98335	21.76157	6.509786	35.50661	5.454344
PKIG	1	18.35925	12.49375	11.85061	13.00002	24.2016	48.39975	20.66512	15.42133	6.491644	13.72831	15.98104	20.94123	1.310379
PKLR	1	0.305778	0.193377	0.667807	0.92305	0.995737	0.096014	0.350872	0.284496	1.169763	1.707905	0.61715	0.72181	1.169586
PKM	1	351.2636	301.5149	295.8885	318.7884	372.8827	255.6119	442.5726	444.3387	326.1457	713.6071	328.0676	436.4552	1.330382
PKMYT1	1	0	0.054071	3.986646	5.348354	0.032483	0.062643	0.025436	0	0.897266	0.885465	1.884311	0.374162	0.198567
PKN1	1	14.67938	11.30938	22.91643	24.61662	23.83853	26.94952	12.2815	22.71897	16.00425	34.38238	19.47207	22.46732	1.153823
PKN2	1	4.352477	5.45309	5.452505	4.612212	2.036412	3.625136	5.029185	10.68928	12.47388	3.953489	4.381339	7.154193	1.632878
PKN3	1	0.465343	0.433677	2.002981	2.440792	0.956286	3.830265	1.219237	1.45953	1.261217	1.749887	1.259816	1.904027	1.511354
PKNOX1	1	2.587917	3.133291	4.21394	3.407945	4.700946	4.072238	4.369426	9.181657	6.516376	5.138965	3.608808	5.855732	1.622622
PKNOX2	1	10.88129	10.14551	5.951651	5.902695	12.75442	11.72852	12.01367	7.155619	6.180752	7.925719	9.127113	9.000856	0.986167
PKP1	1	0.136929	0.081387	0.330526	0.604307	0	0	0	0	0.521591	1.209988	0.23063	0.346316	1.501609
PKP2	1	4.275171	0.730873	0.937758	1.677249	0.388402	0.455935	1.60004	0.755895	1.318988	0.062068	1.60189	0.838585	0.523497
PKP3	1	0.012716	0.01436	0.013885	0.045696	0	0	0	0	0.558746	0.465025	0.017331	0.204754	11.81418
PKP4	1	53.55407	55.88626	60.09805	64.06227	58.75524	82.04868	64.61978	73.79455	62.73957	71.45008	58.47118	70.93053	1.213085
PLA1A	1	0.838378	0.905819	2.698062	2.699024	3.975926	10.15666	2.295409	1.656307	1.448177	1.631525	2.223442	3.437615	1.546078
PLA2G12A	1	10.40422	10.70775	9.599655	7.505076	9.558473	11.9276	19.21517	22.12073	11.17036	12.7193	9.555034	15.43063	1.614922
PLA2G12B	1	0	0	0	0.043264	0	0	0	0	0.746849	0.090058	0.008653	0.167381	19.344
PLA2G15	1	1.4505	1.024757	1.366223	1.926946	1.865488	3.453698	5.448698	4.725893	2.487674	5.930903	1.526783	4.409373	2.888016
PLA2G16	1	5.696452	8.281482	15.9612	16.95507	14.21623	12.78375	5.951905	6.210307	5.092421	10.54453	12.22209	8.116584	0.664091
PLA2G1B	1	0	0	0	0.216669	0	0.47329	1.729579	0.311641	0.623373	0.60135	0.043334	0.747847	17.25778
PLA2G2A_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PLA2G2A_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PLA2G2C	1	0.273486	0.101262	0.283954	0.241678	0.486657	0	0	0	0	0.05217	0.277407	0.010434	0.037613
PLA2G2D1	1	0.008281	0.046758	0	0	0.044943	0	0	0	0	0	0.019996	0	0
PLA2G2D4	1	0.046816	0.026435	0.272649	0.065427	0.042347	0	0	0	0	0	0.090735	0	0
PLA2G2E	1	0	0	0	0	0	0	0	0	0.452636	0	0	0.090527	#DIV/0!
PLA2G2F	1	0.007351	0	0.064214	0.008805	0	0	0.01562	0	0	0	0.016074	0.003124	0.194348
PLA2G3	1	0.100895	0.113941	0.487919	0.474813	0.430251	0.075431	0.168455	0.074502	0.074513	0.0599	0.321564	0.09056	0.281624
PLA2G4A	1	11.14627	8.372115	2.229786	2.882298	2.470609	6.466217	2.957203	2.873967	3.395473	1.664783	5.420216	3.471529	0.640478
PLA2G4B	1	0.472166	0.375387	2.037636	1.167409	0.174257	2.115176	1.926392	6.140482	3.593046	7.497342	0.845371	4.254488	5.032687
PLA2G4D	1	0.005175	0.011689	0	0	0	0	0	0	0.347802	0.2925	0.003373	0.12806	37.96851
PLA2G4E	1	1.01437	0.776418	5.103499	1.300616	1.600625	0	0.095799	0.087386	4.505894	1.28028	1.959106	1.193872	0.609396
PLA2G4F	1	0.037954	0	0.02763	0.106085	0	0	0.026883	0	0.065403	0.147215	0.034334	0.0479	1.395137
PLA2G5	1	0.495683	0.528679	0.210496	0.032988	1.233027	2.161727	2.223637	0.462607	0.996529	0.091555	0.500175	1.187211	2.373592
PLA2G6	1	3.267952	3.048964	5.343596	6.367217	6.548081	7.094054	4.589648	3.343446	5.437525	5.338925	4.915162	5.16072	1.049959
PLA2G7	1	6.017333	5.624733	5.217736	5.393967	13.9775	18.43667	31.7512	12.39093	7.536121	30.77582	7.246254	20.17815	2.784632
PLA2R1	1	2.35831	7.390408	16.26928	18.35997	3.159188	1.321537	2.187324	5.226586	2.456023	0.739947	9.50743	2.386283	0.250991
PLAA	1	11.51064	10.92164	8.197433	8.125673	7.854907	9.697696	14.02615	13.38862	14.68417	15.54821	9.322059	13.46897	1.444849
PLAC1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PLAC8_1	1	0.264519	0.112021	0.28885	0.33667	1.256183	3.374273	1.159312	0.640908	0.341867	0.082447	0.451649	1.119761	2.479275

PLAC8_2	1	0.348427	0.216028	0.164127	0.237333	0.296632	0.107261	0.05807	0.017657	0	0	0.252509	0.036597	0.144935
PLAC8L1	1	0	0.196383	0.075957	0.374958	0.37752	0.546036	1.551994	1.528052	0.539391	0.982855	0.204964	1.029666	5.023652
PLAC9	1	6.857048	0.877366	2.692644	2.468251	6.370642	0.265161	0.502444	1.178533	0.960426	1.60031	3.85319	0.901375	0.23393
PLAG1	1	0.775466	1.188675	0.520743	0.679325	0.734486	0.337252	0.502108	0.677302	0.977233	0.32852	0.779739	0.564483	0.723938
PLAGL1	1	3.695987	3.499491	0.349166	0.69847	2.41172	5.143185	4.016822	3.803813	0.559108	0.148518	2.130967	2.734289	1.283121
PLAGL2	1	1.248526	1.473547	1.772014	1.757431	1.608668	1.317188	1.6045	2.071279	1.403881	1.365294	1.572038	1.552429	0.987526
PLAT	1	9.84194	13.41974	41.00013	46.85843	23.26893	106.5863	26.84749	13.74756	8.98331	19.89256	26.87784	35.21143	1.310055
PLAU	1	3.083339	2.328103	2.857989	3.034979	1.978284	0.562888	1.66338	0.447854	1.142966	0.27813	2.656539	0.819044	0.308312
PLAUR	1	0.172302	0.06486	0.783958	0.756797	0.506534	2.103992	1.128908	1.001934	0.519597	0.8354	0.45689	1.117966	2.446903
PLB1	1	0.043871	0.072064	0.182916	0.267543	0.140698	1.168835	0.872917	0.618451	0.020618	0.192266	0.141418	0.574618	4.063244
PLBD1	5.96E-07	0.301174	0	0.118058	0.055504	0.083824	0.242483	1.936346	0.898115	0.19961	0.295256	0.111712	0.714362	6.394681
PLBD2	1	15.08558	13.09496	47.92755	58.04576	26.79848	15.22644	14.2154	18.80783	16.21222	25.90102	32.19047	18.07259	0.561427
PLCB1	1	62.63114	73.08768	22.59764	25.75393	38.84786	45.57945	102.7145	23.31325	9.383097	12.38187	44.58365	38.67443	0.867458
PLCB2	1	1.428937	1.409215	2.097689	2.353019	1.623706	23.38193	8.172402	3.865958	5.901531	6.412846	1.782513	9.546933	5.355883
PLCB3	1	2.859274	1.538191	5.475626	5.797974	2.33546	6.160355	3.287287	4.200326	3.309272	3.221918	3.601305	4.035831	1.120658
PLCB4	1	13.55959	12.55942	17.21433	12.45705	5.968159	7.118915	13.40281	46.46804	28.3537	17.79234	12.35171	22.62716	1.831905
PLCD1	1	2.831289	1.506326	3.023007	3.964384	4.814797	5.66341	3.288935	8.455551	5.139121	2.80301	3.22796	5.070005	1.570653
PLCD3	1	2.008462	1.445791	6.810466	5.916322	3.10763	25.93928	14.17635	9.698517	3.309209	6.931289	3.857734	12.01093	3.113467
PLCD4	1	1.589004	1.268382	2.912841	1.995191	2.987253	1.369265	1.091617	3.364518	4.30523	4.131915	2.150534	2.852509	1.326419
PLCE1	1	0.991385	0.722308	0.963839	0.929628	0.306636	1.941407	1.871061	0.826509	1.950845	0.836411	0.782759	1.485247	1.897451
PLCG1	1	13.20008	15.03454	29.47394	23.57526	4.281496	18.28798	23.95799	18.05155	15.09945	19.04563	17.11306	18.88852	1.103749
PLCG2	1	0.787377	0.723013	1.95076	1.456539	0.098077	1.459099	0.883197	0.393642	0.613905	0.60509	1.003153	0.790987	0.7885
PLCH1	1	1.887658	2.278158	2.585455	2.224235	1.445017	0.791591	1.2168	0.670152	3.319328	4.626054	2.084105	2.124785	1.019519
PLCH2	1	4.517236	5.748556	9.321272	10.30638	4.308273	4.321924	2.662579	3.790315	0.864907	15.71064	6.840343	5.470073	0.799678
PLCL1	1	6.69327	10.70971	15.74706	23.15086	7.066846	10.75756	18.28271	4.750331	3.634573	1.278782	12.67355	7.740791	0.610783
PLCL2	1	18.01935	18.03144	7.753496	9.126713	12.32059	8.578007	13.54683	12.44615	7.536266	13.8046	13.05032	11.18237	0.856866
PLCXD1	1	0	0	0	0	0.033267	0	0	0	0	0	0.006653	0	0
PLCXD2	1	4.559576	7.545135	3.67179	3.751041	3.149419	1.744429	6.0284	5.426661	1.408747	2.895917	4.535392	3.500831	0.771892
PLCXD3	1	10.64048	7.346586	17.2682	3.512968	0.422558	0.769632	2.352961	3.420696	2.593846	1.97013	7.838159	2.221453	0.283415
PLCZ1	1	0	0.161084	0	0	0	0	0	0	0	0	0.032217	0	0
PLD1	1	1.746669	2.397908	7.013851	5.374533	1.029752	3.285465	2.958595	1.225892	2.625233	0.347869	3.512543	2.088611	0.594615
PLD2	1	4.34788	2.061252	12.33952	7.061879	12.4197	6.044891	8.278075	8.659977	9.970985	14.7632	7.646047	9.543425	1.248152
PLD3	1	169.7871	169.0906	135.7226	191.9933	200.5932	58.75934	121.7186	35.27886	54.76956	103.8526	173.4374	74.8758	0.431717
PLD4	1	0.681325	1.795324	6.232297	6.777638	2.70635	0	0.566523	0.433832	1.480347	2.52781	3.638587	1.001702	0.2753
PLD5	1	4.054023	4.000644	7.523289	2.576806	3.204456	2.834052	9.014158	20.27443	8.826396	11.62783	4.271843	10.51537	2.461554
PLD6	1	0	0.090638	0	0	0	0	0.255823	0.570427	0.414916	1.067353	0.018128	0.461704	25.46958
PLEC	1	12.881	11.09915	29.28789	30.42796	4.489078	3.162424	5.07934	3.005125	10.76344	19.60029	17.63702	8.322123	0.471856
PLEK	1	1.120642	1.288419	1.489104	1.714403	1.190774	14.27309	16.09535	13.05051	2.268466	0.35911	1.360669	9.209305	6.768221
PLEK2	1	0.18071	0.029154	0.084571	0.371093	0.630497	1.418568	1.234281	0.100079	1.201118	0.472056	0.259205	0.88522	3.415141
PLEKHA1	1	29.96325	39.45313	28.21525	33.09845	32.95696	23.09661	26.67379	15.97802	22.17584	6.140408	32.73741	18.81293	0.574662
PLEKHA2	1	9.371118	8.284451	7.729314	7.599464	10.08466	35.55976	12.65957	8.62234	11.96982	9.742895	8.613803	15.71088	1.823919
PLEKHA3	1	6.789843	6.114587	5.161546	4.207528	6.082745	9.430038	10.5251	9.482649	7.627724	4.70291	5.67125	8.353683	1.472988
PLEKHA4	1	1.167965	0.354243	0.714221	1.063315	0.416559	3.876973	3.999352	2.604568	1.828639	7.522111	0.743261	3.966329	5.336389
PLEKHA5	1	16.9465	20.61054	5.688506	8.420469	5.833476	16.83733	16.97745	5.648274	9.334899	3.388827	11.4999	10.43736	0.907604
PLEKHA6_1	1	13.74615	16.58418	26.70618	31.57212	19.74311	5.485853	10.07337	12.50339	12.19799	8.077903	21.67035	9.6677	0.446126
PLEKHA6_2	1	3.211679	4.755892	7.571601	6.204011	2.251008	0.166965	3.050757	2.830932	2.309057	1.060705	4.798838	1.883683	0.392529

PLEKHA7	1	2.400944	2.322113	4.216966	4.582664	2.309163	5.639079	4.973826	5.07124	3.925486	2.600672	3.16637	4.442061	1.402887
PLEKHA8	1	4.120532	5.20446	3.641107	2.512948	4.044852	6.87601	10.94725	17.13815	12.3061	7.242473	3.90478	10.902	2.791962
PLEKHB1	1	66.20358	66.61407	118.6173	145.6422	248.3047	133.4499	78.87491	51.57301	58.0532	120.4203	129.0764	88.47427	0.685441
PLEKHB2	1	141.3074	154.2632	95.54452	85.83194	178.9713	71.2782	67.16408	53.56074	60.05704	61.74919	131.1837	62.76185	0.478427
PLEKHD1	1	2.789896	2.364322	9.517117	4.38602	3.676174	0.495771	2.486099	32.62398	18.09578	25.70835	4.546706	15.882	3.493077
PLEKHF1	1	0.203932	0.237499	1.141286	1.053497	0.691756	0.166757	0.338551	0.181174	0.329455	0.307222	0.665594	0.264632	0.397587
PLEKHF2	1	3.795131	3.779292	4.4858	3.358364	3.011139	2.409286	3.712412	5.704983	5.766838	0.843786	3.685945	3.687461	1.000411
PLEKHG1	1	1.921062	1.624097	8.586189	13.02245	2.678729	3.429117	3.81092	2.133302	5.202055	1.598491	5.566506	3.234777	0.581114
PLEKHG2	1	1.731822	0.671916	1.987798	2.133932	1.297434	1.760743	1.264306	2.123485	2.215337	3.373395	1.564581	2.147453	1.372542
PLEKHG3	1	3.083175	2.795448	7.897811	13.76858	3.796354	6.14846	5.079648	1.518187	1.632508	0.603968	6.268274	2.996554	0.478051
PLEKHG4	1	0.102898	0.139444	0.278658	0.226799	0.234554	0.280019	0.743418	0.808437	1.106443	3.667317	0.19647	1.321127	6.724302
PLEKHG5	1	4.734652	3.724679	4.545793	6.403758	4.647091	3.876627	3.148145	2.533183	4.30995	3.202541	4.811194	3.414089	0.709614
PLEKHG6	1	0.123275	0.09049	0.349995	0.243655	0.401432	0.612879	0.065488	0.143368	0.22305	0.573786	0.241769	0.323714	1.338939
PLEKHG7	0.022974	0.054437	0.030738	0.118889	0.073361	0	0	0	0	0.017589	0.016967	0.055485	0.006911	0.12456
PLEKHH1	1	10.31621	16.83259	73.35903	84.86248	9.490681	16.28847	31.60945	11.98017	15.64424	6.586005	38.9722	16.42167	0.421369
PLEKHH2	1	3.209319	2.4013	2.26018	2.103425	1.856905	3.9066	3.755309	2.221558	2.952763	1.081093	2.366226	2.783465	1.176331
PLEKHH3	1	0.951647	0.830714	3.404016	2.822201	1.45176	1.426783	0.874466	3.15079	3.616622	11.6124	1.892068	4.136213	2.186081
PLEKHJ1	1	11.34247	7.632029	8.88157	10.68188	18.01838	10.2156	5.122105	4.624498	5.657233	17.92082	11.31127	8.708053	0.769857
PLEKHM1	1	1.985074	1.53252	4.535203	4.094235	2.851855	2.411331	2.742824	3.539832	1.778331	3.640857	2.999777	2.822635	0.940948
PLEKHM2	1	22.06897	22.58316	39.37065	48.02036	34.47114	58.84273	25.10082	15.07062	15.06142	33.98967	33.30286	29.61305	0.889205
PLEKHM3	1	5.421413	5.509257	7.579321	6.056544	3.843254	2.636243	3.571008	4.241816	8.111319	6.668202	5.681958	5.045718	0.888025
PLEKHO1	1	11.41706	9.053637	12.48674	11.20052	20.66285	23.27222	12.5106	19.65574	12.44274	24.83923	12.96416	18.54411	1.430413
PLEKHO2	1	6.703378	5.388831	8.652405	8.658148	5.08665	5.135789	3.563843	5.488551	6.36174	7.181397	6.897882	5.546264	0.804053
PLEKHS1	1	0.028101	0.031735	0.051143	0.00561	0.025419	0.637269	0.368232	0.447858	0.387393	0.062284	0.028402	0.380607	13.4009
PLG	1	0	0	0.059966	0	0	0	0	0	3.548624	0.13693	0.011993	0.737111	61.46079
PLGRKT	1	4.773149	5.236335	5.658944	5.27431	13.53431	6.01546	6.830799	4.934373	6.647265	2.364177	6.89541	5.358415	0.777099
PLIN1	1	1.984739	1.816289	3.126387	2.910396	3.714434	0	0.096953	0.132658	0.206387	2.16161	2.710449	0.519522	0.191674
PLIN2	1	3.548426	2.41463	2.89783	2.69752	3.045151	4.880597	3.463993	1.783193	1.293493	3.226622	2.920712	2.92958	1.003036
PLIN3	1	1.553362	1.587152	6.171084	10.59748	7.286469	6.542111	4.165314	3.096957	7.342004	4.488118	5.43911	5.126901	0.942599
PLIN4	1	0.10495	0.028907	0.257158	0.248371	0.027785	0	0.010879	0	0.251427	0.021276	0.133434	0.056716	0.42505
PLIN5	1	0.568815	0.371896	0.849974	2.378854	2.274746	0	0.254464	0.025791	0.619067	1.90771	1.288857	0.561406	0.435585
PLK1	1	1.39342	2.687822	4.479705	4.437295	4.509358	3.714052	1.747143	4.920915	2.952979	6.085759	3.50152	3.88417	1.109281
PLK2	1	66.48582	76.85219	14.26733	31.42469	84.46126	66.91468	118.741	5.686548	16.58671	7.926755	54.69826	43.17113	0.78926
PLK3	1	1.518955	2.194072	2.417286	2.567113	5.89534	5.484325	6.130134	4.686439	2.34356	1.624619	2.918553	4.053816	1.388981
PLK4	1	3.392886	3.388076	2.227744	2.430749	1.92433	4.196374	4.845112	5.004656	6.683246	2.892596	2.672757	4.724397	1.767612
PLK5	1	0.661153	1.726614	4.399482	1.682981	7.34481	0.108126	0	1.682014	1.388531	14.15036	3.163008	3.465806	1.095731
PLLP	1	19.41478	27.7785	46.77153	64.70823	87.49408	83.97609	58.87219	15.99734	12.72263	13.69882	49.23343	37.05341	0.752607
PLN	1	1.513661	0.729122	0.156672	0.034374	0.934426	0.788394	0.182926	0.407883	1.112571	0.059626	0.673651	0.51028	0.757484
PLOD1	1	6.727935	3.967714	13.76105	15.65107	9.08732	7.53349	15.03533	16.56822	11.22578	6.773309	9.839017	11.42723	1.161419
PLOD2	1	5.004385	2.092135	3.21576	3.41238	0.940172	0.528828	8.01645	6.715497	20.39818	3.239594	2.932966	7.77971	2.652505
PLOD3	1	5.5192	4.764581	13.07594	14.96718	6.774182	9.38978	6.727381	8.568515	8.132872	8.807329	9.020217	8.325175	0.922946
PLP1	1	328.5755	780.7713	1440.859	1967.077	793.829	2228.253	1431.162	485.4476	752.1846	306.9157	1062.222	1040.793	0.979825
PLP2	1	7.953541	4.296723	7.116045	6.594095	13.78475	14.82771	8.686963	9.728545	4.708045	5.820124	7.949031	8.754277	1.101301
PLPBP	1	24.23339	19.63865	4.826591	6.214666	31.58403	10.31539	15.08578	13.91529	6.352118	10.19866	17.29947	11.17345	0.645884
PLPP1	1	13.04547	14.28092	10.07892	9.017863	22.03942	29.34966	28.24863	15.10457	17.34539	9.765716	13.69252	19.96279	1.457934
PLPP2	1	1.416019	1.582285	3.678482	7.106353	6.188623	5.070335	1.235261	0.808969	2.465787	1.164559	3.994353	2.148982	0.538005

PLPP3	1	33.68259	26.47163	35.82505	30.40279	9.210953	6.622579	19.60237	23.87171	24.45601	30.70893	27.1186	21.05232	0.776305
PLPP4	1	1.490198	1.336412	2.775927	3.465193	2.140892	2.523107	2.51465	1.64248	0.339873	3.387944	2.241724	2.081611	0.928576
PLPP5	1	4.556704	4.919363	7.573278	8.81133	7.258514	3.249554	3.633575	6.493146	1.037079	3.382441	6.623838	3.559159	0.537326
PLPP6	1	0.769574	0.277367	0	0	0.177734	0.51414	1.182987	0.888666	0.169294	0	0.244935	0.551018	2.249649
PLPP7	1	4.112531	4.589923	8.014034	6.945382	15.34181	0.856857	1.330281	1.493481	1.095378	6.003863	7.800736	2.155972	0.276381
PLPPR1	1	4.492939	5.616208	2.514159	2.813173	8.122289	4.062279	5.88492	6.783436	0.816171	0.623308	4.711754	3.634023	0.771268
PLPPR2	1	11.82083	10.9835	14.3497	20.95757	29.49377	44.37503	18.81831	21.88075	19.51205	38.77508	17.52108	28.67224	1.636443
PLPPR3	1	5.581184	7.642774	11.42194	17.25182	10.0617	6.862898	6.021096	1.855988	3.187921	11.26311	10.39188	5.838202	0.561804
PLPPR4	1	57.80537	59.37213	13.09044	26.68257	16.96185	17.07495	70.9284	5.845797	9.836013	3.162839	34.78247	21.3696	0.614378
PLPPR5	1	9.168488	9.051575	2.36478	4.517391	8.972656	10.57334	15.98276	2.369544	3.174149	1.041359	6.814978	6.628232	0.972598
PLRG1	1	15.31425	14.4078	10.18934	9.876952	9.836992	10.71355	13.27877	14.57167	12.22035	9.899053	11.92507	12.13668	1.017745
PLS1	1	0.309637	0.356032	0.073771	0.107902	0.152773	0.824947	0.885259	0.69839	0.058208	0.009359	0.200023	0.495232	2.475877
PLS3	1	7.003136	6.01316	7.925934	8.57921	4.477915	19.49705	20.62899	9.174173	13.63135	3.553736	6.799871	13.29706	1.955487
PLSCR1	1	0.011371	0.017122	0	0	0	0	0	0	0	0	0.005698	0	0
PLSCR2	1	1.702043	0.866842	1.002185	0.98945	0.633951	3.580406	2.393442	1.832848	5.607173	2.649061	1.038894	3.212586	3.092312
PLSCR3	1	6.377873	5.673772	8.765499	9.158881	26.43978	8.28201	5.773554	6.307491	7.294098	9.746373	11.28316	7.480705	0.662997
PLSCR4	1	4.744413	1.79008	1.993536	2.147608	1.646429	1.172802	2.49718	4.647567	19.04508	7.087215	2.464413	6.889969	2.795785
PLSCR5	1	0.064318	0	0.175585	0.2504	0.349076	0.168299	0.136673	0.166226	0.415627	0.053459	0.167876	0.188057	1.120212
PLTP	1	23.87814	18.0393	37.84952	39.51683	37.50301	16.94465	9.702507	24.43605	37.67076	27.21017	31.35736	23.19283	0.739629
PLVAP	1	0.629113	0.083584	0.363695	0.288145	0.150636	0.96834	0.609439	0.549939	1.147866	0.123035	0.303035	0.679724	2.243057
PLXDC1	1	2.875573	3.067407	11.54501	7.287026	4.703642	6.151595	4.473469	15.63586	8.960602	6.038681	5.895733	8.252042	1.399664
PLXDC2	1	1.489353	0.651171	2.62304	1.52875	0.341127	2.853133	0.946537	1.295998	1.970768	0.317993	1.326688	1.476886	1.113212
PLXNA1	1	5.955675	5.173337	10.27337	12.07913	2.824331	2.033584	2.821556	4.94566	4.92619	8.056588	7.261169	4.556716	0.627546
PLXNA2	1	7.852622	7.928149	9.919665	12.6384	8.575443	3.15809	8.131125	3.492236	4.786647	4.875347	9.382857	4.888689	0.521024
PLXNA3	1	3.269981	3.498451	9.185299	8.246507	16.3754	3.152374	0.845711	4.586935	6.617269	9.31596	8.115127	4.90365	0.60426
PLXNA4	1	16.28598	14.97037	11.8529	12.23003	10.1823	5.36887	13.90153	1.433277	1.444428	1.123632	13.10432	4.654347	0.355177
PLXNB1	1	4.153805	3.405258	11.56842	14.79987	3.892233	6.800163	8.952362	9.77491	17.76625	17.21334	7.563916	12.10141	1.599886
PLXNB2	1	6.410336	4.554047	16.96645	12.81086	5.561401	8.854515	5.395768	17.15565	13.71557	27.82651	9.260618	14.5896	1.575446
PLXNB3	1	1.247522	1.796264	4.266382	4.408478	2.485166	4.599761	3.404025	1.091815	2.198604	3.563162	2.840762	2.971473	1.046013
PLXNC1	1	6.99375	5.204878	6.957935	6.587945	3.732819	4.37166	6.019581	35.48928	24.0989	18.53843	5.895465	17.70357	3.002913
PLXND1	1	10.33586	6.559434	7.241804	11.85652	5.063409	12.36199	10.95803	2.307244	2.809228	2.848246	8.211406	6.256946	0.761982
PM20D1	0.048218	0.647617	0.429063	1.074921	1.024024	0.679535	7.908109	7.137645	9.774572	3.392583	1.478469	0.771032	5.938276	7.701725
PM20D2	1	1.926244	3.246498	6.119043	2.657047	0.633599	4.047541	5.612607	9.503967	11.31589	4.366446	2.916486	6.969291	2.389619
PMAIP1	1	1.152463	1.189009	1.771176	0.630612	2.200767	1.34027	0.604673	0.55157	3.530558	0.44938	1.388806	1.29529	0.932665
PMCH	1	0	0	8.295514	1.179644	0.572642	0	0.074735	0	0.181817	0	2.00956	0.05131	0.025533
PMEL	1	0.18721	0.109937	0.196252	0.143525	0.20321	0.313514	0.286424	0.909606	16.18173	1.45644	0.168027	3.829542	22.79126
PMEPA1	1	19.35411	15.21265	14.92132	20.79012	17.62601	17.02633	33.71929	1.621608	3.303755	1.918661	17.58084	11.51793	0.655141
PMF1	1	1.710463	0.927185	1.531589	2.479233	3.527641	8.503841	2.725985	12.11243	8.046651	8.530079	2.035222	7.983797	3.922813
PMFBP1	1	0.075459	0.260383	0.466931	0.105457	0.045505	0.043878	0.017816	0.065006	0.173376	0.327532	0.190747	0.125522	0.658054
PML	1	1.296073	1.056479	2.654992	2.404714	1.560225	0.637479	0.993957	1.133333	1.259442	1.024605	1.794497	1.009763	0.5627
PMM1	1	9.998022	8.79081	11.06216	14.61401	12.43928	15.55206	12.22052	4.75742	13.55906	8.740025	11.38086	10.96582	0.963532
PMM2	1	3.7043	2.846832	3.062534	4.194614	8.33655	1.018073	1.722418	1.487357	2.89134	1.845987	4.428966	1.793035	0.404843
PMP2	1	0.240294	0.142824	1.298172	0.121199	3.157436	1.588469	3.305546	1.732337	6.145787	3.637088	0.991985	3.281845	3.308362
PMP22	1	5.833528	8.370685	23.60931	35.37793	15.80415	14.60948	20.12808	8.931412	19.10953	4.896641	17.79912	13.53503	0.760432
PMPCA	1	17.59847	16.73701	17.0505	21.57587	25.36169	15.00363	21.75259	13.16536	14.3605	20.70569	19.66471	16.99755	0.864368
PMPCB	1	28.07223	26.04104	14.9198	17.52599	14.33098	22.87861	36.7871	38.17368	43.81421	32.94485	20.178	34.91969	1.730582

PMS1	1	5.253319	6.52827	3.93295	3.484719	3.889254	7.500445	14.45761	13.75591	7.188818	3.232718	4.617702	9.227099	1.998201
PMS2	1	6.240906	6.430462	3.912402	4.048017	4.940256	4.200538	6.612266	16.49003	9.200882	6.913089	5.114409	8.683362	1.697823
PMVK	1	3.650034	2.901024	3.378499	4.189749	3.738311	4.550164	3.509158	2.684808	1.444754	1.858283	3.571524	2.809433	0.78662
PNCK	1	10.58201	9.493595	7.496651	11.3928	23.46532	31.46541	18.58367	11.18806	3.786411	15.08305	12.48607	16.02132	1.283135
PNISR	1	71.65956	69.83462	45.46494	38.46945	36.60247	50.61173	47.33086	121.9079	82.33422	36.47973	52.40621	67.7329	1.292459
PNKD	1	6.307351	6.291635	13.84107	15.93246	17.10239	20.36971	16.95974	11.67521	10.84284	36.47512	11.89498	19.26453	1.619551
PNKP	1	5.143277	5.516504	10.88681	9.086873	8.030458	4.973219	3.861534	6.22615	2.71491	5.321134	7.732785	4.619389	0.597377
PNLDC1	0.003537	0.659525	0.623335	3.50512	2.349777	0.737401	0.059253	0.01203	0.138994	0.058532	0.159982	1.575031	0.085758	0.054449
PNLIP	1	0	0	0	0	0	0	0	0.032796	0	0.126568	0	0.031873	#DIV/0!
PNLIPRP2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PNLIPRP3	1	0.010207	0	0	0	0	0	0	0	0	0.022623	0.002041	0.004525	2.216445
PNMA1	1	25.76088	23.54375	19.57299	21.44598	28.58504	3.186068	18.8937	21.05819	72.79032	137.8721	23.78173	50.76007	2.134414
PNMA2	1	23.36831	25.97124	18.61571	20.8138	16.50868	14.12474	28.18143	24.48077	25.6545	51.7898	21.05555	28.84625	1.370007
PNMA5	0.048632	0	0	0	0	0	0.236978	0.312724	0.058515	2.516507	0.432828	0	0.71151	#DIV/0!
PNMA6E	1	0	0.011583	0.022401	0	0	0	0	0	0	0.025576	0.006797	0.005115	0.752581
PNMA8A	1	8.57508	6.765689	3.134058	5.746089	7.774804	0.919056	2.345673	0.661353	1.660108	4.378987	6.399144	1.993035	0.311453
PNMA8B	1	0.041671	0.072399	0.308028	0.341744	0.026096	0	0.122607	0.008284	0.016571	0.010657	0.157988	0.031624	0.200167
PNMT	1	0.197693	0	0.078501	0.129172	0.195082	0.47027	0.15276	0.510928	0	31.5786	0.12009	6.542511	54.4802
PNN	1	32.06538	29.19195	19.09267	18.59414	12.79935	20.27107	18.04467	43.02484	38.11513	24.34377	22.3487	28.7599	1.286871
PNO1	1	10.4374	11.60512	4.748933	9.068461	16.7844	20.48338	20.77565	8.741856	15.23802	12.82541	10.52886	15.61286	1.482863
PNOC	1	2.217279	1.445754	2.450049	4.347725	6.661641	3.315356	3.393478	0.375207	0	0	3.42449	1.416808	0.413728
PNP	1	17.10207	11.02085	21.31319	18.86782	44.00187	2.571449	0.870096	0.599672	7.832144	8.054602	22.46116	3.985592	0.177444
PNPLA1	1	0.027607	0.013362	0.017227	0.040157	0	0	0.008381	0.005096	0	0.006556	0.019671	0.004007	0.203686
PNPLA2	1	3.499329	3.981013	14.8895	25.05802	3.882612	10.1489	6.959707	19.04547	14.52568	122.5163	10.2621	34.63921	3.375452
PNPLA3	1	0.042395	0	0	0.063481	0.057523	0.166399	0.743216	1.287411	0.164374	0.863309	0.03268	0.644942	19.7353
PNPLA4	0.819529	0.439414	0.487043	1.279551	1.325676	1.656146	0.766533	0.916441	1.11461	0.757204	1.70439	1.037566	1.051835	1.013753
PNPLA5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PNPLA6	1	7.080517	6.066695	13.80747	20.88506	10.50376	9.658119	9.596918	17.27601	7.478177	10.57038	11.6687	10.91592	0.935487
PNPLA7	1	1.089533	1.499128	5.014267	6.555729	1.042185	0.502465	0.425784	0.517855	2.158043	1.582169	3.040169	1.037263	0.341186
PNPLA8	1	15.0263	14.12309	10.24331	10.63588	8.859744	23.6496	30.19571	15.88782	14.96389	8.160774	11.77766	18.57156	1.576846
PNPO	1	14.90305	11.66372	9.797513	10.55045	4.436236	22.15094	19.79264	13.49373	4.520401	10.38563	10.27019	14.06867	1.369854
PNPT1	1	6.817302	8.662881	3.900686	3.800351	9.940008	9.727259	12.09346	8.371339	11.45554	14.19095	6.624246	11.16771	1.685884
PNRC1	1	14.90766	14.45601	16.29049	20.25412	10.71278	21.66201	15.12676	30.77289	37.46093	22.19899	15.32421	25.44432	1.6604
PNRC2	1	36.57085	34.0259	28.62378	29.51754	27.10017	20.13536	20.10226	35.49325	39.30038	27.70686	31.16765	28.54762	0.915938
POC1A	1	1.08682	1.615867	1.12702	1.639077	2.821966	1.104802	0.614743	0.161659	0.040421	0.675872	1.65815	0.519499	0.313301
POC1B	1	2.330438	2.188531	1.864396	1.774881	1.744105	2.25946	1.209346	2.447193	1.851514	1.973684	1.98047	1.948239	0.983726
POC5	1	2.388914	3.494552	3.530206	2.743989	3.271656	1.448826	1.935644	3.254339	6.625043	1.833419	3.085863	3.019454	0.97848
PODN	2.51E-11	3.808996	4.074684	14.4115	31.57403	8.06519	0.564529	0.213414	0.259562	0.634577	0.457573	12.38688	0.425931	0.034386
PODNL1	1	0.265238	0.00576	0.077979	0.048881	0.055367	0	0	0	0	0	0.090645	0	0
PODXL	1	18.05011	15.99892	35.38725	31.27129	19.72262	46.62264	8.632473	6.524402	12.60423	6.758647	24.08604	16.22848	0.673771
PODXL2	1	4.643932	7.624417	15.45764	18.01811	5.567194	6.53942	4.022547	6.314293	9.978999	39.14137	10.26226	13.19933	1.286201
POF1B	1	0	0	0.043187	0	0	0	0	0.025553	0.281125	0.049308	0.008637	0.071197	8.242926
POFUT1	1	5.533253	3.947101	5.342649	5.793026	4.188472	2.29226	2.494672	3.904304	2.634055	2.456793	4.9609	2.756417	0.555628
POFUT2	1	13.1803	10.50006	12.17626	13.03443	12.22706	2.600405	3.561335	4.200833	3.047679	6.286018	12.22362	3.939254	0.322266
POGK	1	8.855461	9.790203	13.77326	16.06277	11.09877	10.30069	12.44665	16.35554	12.08202	15.44918	11.91609	13.32682	1.118388
POGLUT1	1	4.346865	3.703085	5.540563	3.946134	1.068624	11.33465	5.326487	9.218328	7.829868	3.952866	3.721054	7.53244	2.024276

POGZ	1	6.92531	7.084532	9.557528	8.654432	5.54299	11.49507	12.50408	28.14517	13.01867	14.20533	7.552958	15.87366	2.101648
POLA1	1	1.927461	1.804976	1.728038	1.869105	1.116526	1.656328	2.084869	2.781085	2.765128	2.388595	1.689221	2.335201	1.382413
POLA2	1	0.55002	0.465855	0.850865	0.960845	0.621905	3.777944	2.617545	5.56752	1.332845	2.56199	0.689898	3.171569	4.597155
POLB	1	14.99592	14.90343	11.72355	9.01624	21.40145	21.69081	7.522967	30.46185	40.54731	31.93779	14.40812	26.43215	1.834531
POLD1	1	1.144851	0.902014	2.337499	2.092197	0.7803	1.449078	1.154142	2.683565	2.697719	3.461031	1.451372	2.289107	1.577202
POLD2	1	4.613422	4.470962	7.07431	6.907987	9.678048	14.59743	13.22749	17.88469	3.974954	22.43604	6.548946	14.42412	2.20251
POLD3	1	2.608065	3.41063	2.116793	1.592942	2.236316	3.210055	3.462511	3.509363	4.478114	3.29247	2.392949	3.590503	1.500451
POLD4	1	6.374811	5.819641	9.462188	13.58081	26.57024	17.87935	6.975863	12.03587	10.26158	15.92732	12.36154	12.616	1.020585
POLDIP2	1	32.80889	30.87365	30.52471	37.81299	74.0837	53.83633	38.76507	40.79056	45.56492	75.94191	41.22079	50.97976	1.236749
POLDIP3	1	25.46542	21.90958	25.18257	26.56308	34.18339	13.6343	16.19221	28.59152	15.5772	23.37212	26.66081	19.47347	0.730416
POLE	1	0.175585	0.124567	0.196652	0.320892	0.109957	0.306299	0.24874	0.628325	0.57023	0.351755	0.185531	0.42107	2.269542
POLE2	1	0.619596	1.11266	1.020426	0.730043	1.708944	2.870455	0.7986	1.023789	0.577606	0.371467	1.038334	1.128383	1.086725
POLE3	1	17.37034	17.41083	11.39592	14.61629	29.52444	40.26443	19.68173	43.3631	72.35883	94.28336	18.06357	53.99029	2.988905
POLE4	1	24.75409	16.78551	21.29714	22.6639	50.96513	81.42077	35.36264	23.47924	23.26722	31.95903	27.29316	39.09778	1.432512
POLG	1	11.16051	8.383128	17.33137	11.50848	14.48505	12.62623	12.05462	14.84468	9.619364	12.67415	12.57371	12.36381	0.983306
POLG2	1	1.039042	1.296912	1.484382	1.431829	2.035213	3.229881	3.419773	5.915835	3.836765	4.895996	1.457476	4.25965	2.922622
POLH	1	4.59416	5.53985	4.998837	3.612164	6.41882	0.943413	2.043014	2.541263	2.31571	4.567686	5.032766	2.482217	0.493211
POLI	1	6.369492	4.687499	6.520396	6.89418	8.57669	1.558557	3.093002	2.318669	9.045088	3.98528	6.609651	4.000119	0.605194
POLK	1	4.534873	5.146763	3.728792	3.592674	1.826312	3.75843	4.990953	8.031319	11.62843	5.563753	3.765883	6.794576	1.804245
POLL	1	1.484738	1.581365	2.259069	2.292739	3.838139	3.645696	5.637121	6.292315	0.98218	2.421341	2.29121	3.795731	1.656649
POLM	1	0.165744	0.210573	0.271484	0.223362	0.168666	0.054212	0.022012	0.107089	0	0.137761	0.207966	0.064215	0.308776
POLN	1	0.802515	1.065883	0.462967	0.628793	0.260236	0.422624	0.740038	0.887017	0.652314	0.931317	0.644079	0.726662	1.128219
POLQ	1	0.015889	0.026915	0.052052	0.052342	0	0.675616	0.434705	0.492773	0.451774	0.313654	0.02944	0.473704	16.09071
POLR1A	1	5.792814	5.62733	4.424898	5.679197	3.527902	5.260999	8.993076	6.912251	5.373413	3.930234	5.010428	6.093995	1.216262
POLR1B	1	8.303375	8.312571	6.144748	8.000372	6.889612	4.858551	12.87336	9.572965	14.44724	13.26755	7.530136	11.00393	1.46132
POLR1C	1	5.15526	6.059817	4.110874	4.930268	12.57928	16.46685	26.11808	10.12875	8.714168	21.64624	6.567099	16.61482	2.530008
POLR1D	1	8.453955	9.269703	9.320963	11.00968	17.3587	6.320331	3.544999	4.814135	4.867745	5.053061	11.0826	4.920054	0.443944
POLR1E	1	8.991347	9.080256	5.306537	7.100774	13.85615	13.88297	10.52585	11.61881	9.284265	8.526987	8.867012	10.76778	1.214364
POLR2A	1	6.735779	6.668826	17.98484	16.78952	7.047896	7.45283	8.83918	15.01923	10.41857	19.15716	11.04537	12.17739	1.102488
POLR2B	1	29.00207	32.03183	23.56463	24.25678	18.7731	10.76545	31.94355	27.25956	35.99348	35.60964	25.52568	28.31434	1.109249
POLR2C	1	24.56045	18.50729	18.96933	23.32202	44.08677	27.04451	37.58682	42.10025	31.79865	44.26024	25.88917	36.55809	1.4121
POLR2D	1	15.26091	16.42352	17.85314	16.69975	21.36639	32.72177	35.72567	25.67553	8.859046	10.74033	17.52074	22.74447	1.298145
POLR2E	1	13.12737	13.35289	15.04947	15.72519	35.48905	18.24704	10.98504	9.153308	4.179292	11.84809	18.54879	10.88256	0.586699
POLR2F	1	10.38737	11.07681	13.97658	15.06254	69.02983	55.20201	33.55314	23.77038	16.79131	25.12576	23.90663	30.88852	1.292049
POLR2G	1	14.37353	16.81503	13.87457	19.19184	61.52451	92.88386	38.89595	29.55386	22.57915	37.55651	25.1559	44.29387	1.760775
POLR2H	1	10.44153	9.137717	6.951617	8.38608	32.47884	29.73504	19.68029	9.917767	6.664069	8.357226	13.47916	14.87088	1.10325
POLR2I	1	8.825275	8.591754	11.39353	11.97784	27.84206	97.60396	28.26847	26.51619	33.26244	91.41994	13.72609	55.4142	4.037143
POLR2J	1	10.31171	10.76895	8.330416	11.61661	41.49141	71.72716	38.12251	36.17385	16.37669	21.38657	16.50382	36.75735	2.227203
POLR2K	1	16.32037	16.70721	9.09215	9.327322	21.4679	25.37302	16.52372	15.07928	17.87235	10.5275	14.58299	17.07518	1.170897
POLR2L	1	46.65251	28.20393	28.90805	38.05428	39.8504	23.00322	8.491154	3.614541	12.39451	42.67853	36.33383	18.03639	0.496408
POLR2M	1	8.163107	9.246973	7.904384	8.203153	8.246219	15.05897	13.31804	6.714393	11.2633	9.995671	8.352767	11.27007	1.349262
POLR3A	1	8.571866	10.00875	8.651962	15.11551	8.536101	3.057982	7.718036	4.982874	6.320987	5.721116	10.17684	5.560199	0.546358
POLR3B	1	5.378327	6.613781	3.908721	3.562286	2.817665	4.790395	10.6545	10.22784	9.723161	10.44707	4.456156	9.168595	2.057512
POLR3C	1	6.1743	6.020972	4.263183	4.357346	9.614302	8.190542	7.510239	7.534076	6.179286	4.845975	6.086021	6.852024	1.125863
POLR3D	1	6.878025	5.966108	5.778986	6.339502	14.08609	8.974614	11.67669	7.410581	4.289707	5.747439	7.809743	7.619807	0.97568
POLR3E	1	3.501786	3.901387	3.909619	4.332713	3.551082	9.916308	13.95905	13.93374	12.82632	10.4241	3.839317	12.2119	3.180748

POLR3F	1	9.365716	10.43156	7.494891	7.819037	14.06305	5.745025	9.015647	8.332505	11.60585	9.551802	9.834851	8.850166	0.899878
POLR3G	1	0.97699	1.10332	0.628682	0.574716	0.355075	0.45651	0.556086	0.721421	0.721526	0.362518	0.727756	0.563612	0.774452
POLR3GL	1	7.562951	5.385925	6.136635	6.62867	9.158825	8.366607	6.005137	8.959171	5.59334	5.395733	6.974601	6.863998	0.984142
POLR3H	1	3.08448	4.031458	7.676741	7.980564	8.391508	5.694799	6.188384	5.159325	2.306857	8.042524	6.23295	5.478378	0.878938
POLR3K	1	35.21995	28.3577	33.5223	37.02366	99.66515	43.44021	25.1768	21.03318	18.69888	39.54545	46.75775	29.5789	0.632599
POLRMT	1	3.010712	2.943783	5.62995	6.959534	2.427533	1.409486	1.032203	1.006809	2.635487	10.41736	4.194302	3.300268	0.786846
POM121L2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
POMC	1	3.201443	3.303735	4.06852	4.529254	11.57107	1.949842	0.263906	0.784599	0.499363	0.458782	5.334805	0.791298	0.148327
POMGNT1	1	10.71633	11.10836	10.39002	13.20774	26.92342	34.45585	20.3346	24.8258	20.92383	24.47171	14.46917	25.00236	1.727974
POMGNT2	1	5.093766	3.4285	7.323917	9.426582	7.790409	0.664772	1.687032	3.463491	3.184905	9.861198	6.612635	3.77228	0.570465
POMGNT2P	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
POMK	0.004839	9.631486	8.738069	7.460318	9.759642	10.83967	1.171365	2.370797	1.806608	1.958185	0.686911	9.285837	1.598773	0.172173
POMP	1	60.55447	56.41723	34.40428	37.57962	97.53742	119.8578	101.3795	79.56687	81.82555	63.71091	57.29861	89.26812	1.557946
POMT1	1	9.365068	8.907803	10.86062	10.64427	13.83143	2.921154	8.889838	15.94137	15.04012	17.0956	10.72184	11.97762	1.117123
POMT2	1	3.902694	3.557456	5.483439	6.645538	3.976003	1.951789	6.524037	6.454537	3.821642	3.885905	4.713026	4.527582	0.960653
PON1	1	0.013984	0	0.030541	0.016752	0	0.073184	0	0	0.216881	0.209219	0.012255	0.099857	8.147976
PON2	1	58.1267	51.47149	45.59752	43.94088	51.29225	50.08953	31.19927	43.98962	138.4067	70.45561	50.08577	66.82815	1.334274
PON3	1	4.223371	3.144605	2.86507	0.253464	5.948612	0.088586	0.107909	0	2.406476	0.464292	3.287024	0.613453	0.186629
POP1	1	0.926134	1.432551	1.360686	1.190095	2.086737	1.204347	2.00377	2.030884	2.495449	1.343602	1.399241	1.81561	1.297568
POP4	1	9.888017	6.001746	6.820704	8.369983	19.13347	15.45769	15.34247	13.62569	11.87633	24.49739	10.04278	16.15991	1.609107
POP5	1	8.502003	5.969101	5.649008	6.762722	18.79912	23.07084	15.00748	10.40518	13.0229	29.57496	9.13639	18.21627	1.993815
POP7	1	5.076382	4.343614	5.032493	8.44694	18.94737	22.03286	7.43681	6.716529	5.463572	24.6535	8.36936	13.26065	1.584429
POPDC2	1	0.073172	0	0.177562	0.019478	0	0	0	0.084049	0.840609	0.418971	0.054042	0.268726	4.972496
POPDC3	0.000135	0.021953	0.024792	0.934922	0.184082	0.059574	0	1.026283	3.177247	1.929323	8.119778	0.245065	2.850526	11.63174
POR	1	13.39812	11.29927	16.46144	19.46592	9.844329	6.970674	10.30593	24.78542	8.060484	18.83365	14.09382	13.79123	0.978531
PORCN	1	6.161991	6.748432	12.4406	9.761312	32.32706	9.503736	5.821353	9.767795	7.261717	9.391828	13.48788	8.349286	0.619021
POSTN	1	148.2571	0.529797	3.18631	1.02514	1.091211	0.296775	0.175277	0.026647	2.105446	1.439741	30.81791	0.808777	0.026244
POT1	1	2.972255	2.677155	1.784614	2.027626	1.620455	5.427727	8.491154	7.716435	4.502876	2.843618	2.216421	5.796362	2.61519
POU1F1	1	0	0	0	0	0	0	0	0	0.286487	0.073697	0	0.072037	#DIV/0!
POU2AF1	1	0	0.015653	0.121083	0.008302	0.037613	0.072536	0.294527	0.089554	0.071653	0.057602	0.03653	0.117174	3.20763
POU2F1	1	2.521436	3.245962	3.737894	2.827373	1.967882	1.730319	2.246491	3.841688	5.55869	3.244635	2.860109	3.324365	1.162321
POU2F2	1	0.368809	0.496594	1.301134	1.469814	0.307946	0.259821	0.331565	2.089632	1.283294	4.468434	0.788859	1.686549	2.137959
POU2F3	1	0.014358	0.016215	0	0.0172	0	1.16471	1.159419	0.074217	0	0	0.009555	0.479669	50.20244
POU3F1	1	0.926372	0.779683	0.897062	2.470642	0.640325	2.332532	1.801357	0.112932	0.406614	0.566581	1.142817	1.044003	0.913535
POU3F2	1	4.482199	5.351771	4.996442	6.138224	3.452579	2.748846	4.836633	1.568665	2.594708	1.823921	4.884243	2.714555	0.555778
POU3F3	1	8.585934	11.37876	13.8332	18.44705	8.178792	15.02514	11.73905	3.595742	7.368386	3.22323	12.08475	8.190309	0.677739
POU3F4	1	0.633641	0.805827	1.957332	1.538583	0.185891	1.075475	1.152371	2.065452	1.741134	0.806598	1.024255	1.368206	1.335806
POU4F1	1	0.013967	0.031546	0.355871	0.490773	0	0.024365	0	0	0.072204	0.015478	0.178432	0.022409	0.125591
POU4F2	1	0	0	0.267646	0.146803	0	0	0	0	0	0	0.08289	0	0
POU4F3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
POU5F1	1	0	0	0	0	0	0	0	0	0.537897	0.028827	0	0.113345	#DIV/0!
POU6F1	1	3.294575	4.153103	5.557357	4.880944	7.035866	10.0847	5.164319	7.032482	4.571519	6.736686	4.984369	6.717942	1.347802
POU6F2	1	0.51093	0.456524	0.122621	0.443897	0.030472	0.029383	0.119308	0.058043	0.232204	0.168	0.312889	0.121388	0.387958
PP2D1	1	0	0.031894	0.431755	0.487164	0.045984	0.05912	0.060013	0.058392	0	0.103285	0.199359	0.056162	0.281711
PPA1	1	80.56596	97.61678	91.54877	109.0318	116.4975	56.26377	109.8351	68.36842	60.57577	44.09868	99.05217	67.82834	0.684774
PPA2	1	19.48144	16.76549	9.928647	10.87379	37.0104	31.98212	60.27439	32.93658	17.95401	16.17994	18.81195	31.86541	1.693891

PPAN	1	3.901621	3.832545	3.983184	5.29597	4.197497	23.74099	5.151057	8.293544	5.967447	19.9563	4.242163	12.62187	2.975337
PPARA	0.171104	2.800239	2.759721	6.183514	6.530011	2.947327	1.540303	0.836839	0.551752	0.867931	0.995763	4.244162	0.958517	0.225844
PPARD	1	7.537278	7.673553	10.4376	12.04713	12.70452	23.13958	9.303522	4.327259	3.865686	3.747131	10.08002	8.876636	0.880617
PPARG	1	0.26727	0.139306	0.314304	0.098511	0.083687	0.215187	0.17475	1.540893	0.584562	1.196172	0.180616	0.742312	4.1099
PPARGC1A	1	6.547246	8.811962	4.887048	4.585277	7.358297	3.334081	10.8358	3.646822	6.954468	4.271209	6.437966	5.808477	0.902222
PPARGC1B	1	2.711989	3.078663	4.173172	2.270113	1.550481	2.166389	3.39817	7.094408	3.905747	4.09744	2.756884	4.132431	1.49895
PPARG-TSEN2	1	0.004292	0.003759	0.00593	0.002308	0	0.001834	0.003536	0.034635	0.002264	0.004659	0.003258	0.009386	2.880948
PPAT	1	7.1827	7.020848	6.347703	4.955568	5.858786	4.34939	5.367165	5.231797	4.03243	1.75203	6.273121	4.146562	0.661005
PPBP	1	0.015269	0	0.066694	0.036581	0	0.319631	0	0	0.15787	0	0.023709	0.0955	4.028047
PPCDC	1	1.121104	1.204749	0.878929	1.094266	2.357571	1.470954	0.834819	0.726421	0.643967	0.80174	1.331324	0.89558	0.672699
PPCS	1	3.995073	3.955677	3.860189	3.316134	7.052331	2.238584	3.069879	2.732485	1.919277	2.334463	4.435881	2.458938	0.554329
PPDPF	0.067205	15.69421	15.17058	29.52823	46.47053	106.0201	5.99123	4.341889	3.145989	2.921701	11.75571	42.57672	5.631304	0.132263
PPDPFL	1	0.127166	0.035902	0	0.019041	0.043136	0	0.033778	0.020541	0	0	0.045049	0.010864	0.241152
PPEF1	1	1.449769	1.903883	0.691003	1.170979	0.897048	0.864981	0.973376	0.842125	0.317369	4.199836	1.222536	1.439537	1.177501
PPEF2	1	0.024399	0.055107	0.239786	0.241123	0	0.829961	0.583267	1.513368	2.86951	1.683188	0.112083	1.495859	13.346
PPFIA1	1	8.058364	7.392327	9.379144	8.4937	8.359261	5.645937	8.543381	18.74644	8.715536	8.0674	8.336559	9.943738	1.192787
PPFIA2	1	30.57177	32.44469	14.14007	13.76608	16.34801	19.53141	39.34613	50.56313	29.66897	15.62433	21.45412	30.94679	1.442464
PPFIA3	1	10.56554	10.49618	7.999323	10.12441	5.35884	10.95338	14.78113	11.23108	7.763561	13.62715	8.908857	11.67126	1.310074
PPFIA4	1	13.11122	12.31787	30.97765	12.18604	12.9512	3.529787	6.811441	52.4329	29.28706	43.82358	16.3088	27.17695	1.666399
PPFIBP1	1	41.19021	28.60282	20.83561	33.59239	8.132734	24.94505	34.55596	5.108305	7.340798	2.099527	26.47075	14.80993	0.559483
PPFIBP2	1	0.715625	0.754568	3.216997	1.939597	0.716005	2.443752	4.118304	3.939368	1.197193	2.41708	1.468558	2.823139	1.922388
PPHLN1	1	6.460582	6.547817	5.350005	6.047318	4.013661	16.9858	18.97751	18.80736	22.06237	14.23984	5.683877	18.21458	3.204604
PPIA	1	408.0929	327.3458	211.8247	302.9351	958.9586	411.6885	321.6231	208.2532	104.9565	104.7897	441.8314	230.2622	0.521154
PPIB	1	86.70985	84.73774	51.57212	62.07301	251.1126	132.2421	128.5886	137.1729	79.17827	212.9276	107.2411	138.0219	1.287025
PPIC	1	3.651049	2.422551	2.606205	1.735813	6.01404	12.78765	7.2451	2.45995	3.011123	2.833896	3.285932	5.667545	1.724791
PPID	1	32.84116	33.57671	18.18038	22.01107	40.32444	59.56959	75.79904	56.34357	9.905841	17.95155	29.38675	43.91392	1.494344
PPIE	1	4.397746	4.141286	3.571295	3.575927	5.098402	12.34499	6.298995	7.750992	7.482325	7.056041	4.156931	8.186668	1.969402
PPIF	1	1.533133	1.431715	4.314159	4.20283	3.28033	12.49797	20.8	12.95366	5.487053	6.910569	2.952433	11.72985	3.972943
PPIG	1	25.87261	26.3928	10.97661	9.539872	6.58618	8.137293	13.05218	14.70891	13.46151	10.26448	15.87362	11.92487	0.751239
PPIH	1	23.72148	21.45844	8.91144	10.89867	44.71046	43.28531	21.1142	20.4356	11.57331	10.15615	21.9401	21.31291	0.971414
PPIL1	1	12.65306	11.68324	9.491238	11.13358	24.80419	39.9855	16.91681	15.3069	13.78484	7.202997	13.95306	18.63941	1.335865
PPIL2	1	7.183073	9.3789	10.06207	10.64834	10.43083	8.581395	8.971989	12.25034	14.86042	13.36427	9.540642	11.60568	1.216447
PPIL3	1	5.907915	6.566061	3.068582	3.358195	8.987439	4.481893	4.26524	5.135668	1.764021	0.444889	5.577638	3.218342	0.577008
PPIL4	1	9.371276	8.262993	7.96059	7.258887	7.467952	6.077716	6.898456	8.330726	10.18458	8.639682	8.06434	8.026232	0.995275
PPIL6	1	0.295385	0.446276	0.531779	0.755495	0.769081	1.629404	1.280802	1.010996	0.577796	1.28729	0.559603	1.157257	2.067997
PPIP5K1	1	20.59518	19.38811	25.41038	20.07547	19.70184	23.88667	24.0205	53.25818	34.04851	54.04747	21.0342	37.85227	1.799558
PPIP5K2	1	9.378651	11.35693	11.56733	7.598026	4.143117	3.99501	12.70781	11.98218	20.00622	10.65168	8.80881	11.86858	1.347353
PPL	0.002119	0.47833	0.067927	0.362814	0.343107	0.031091	3.492566	1.150327	6.60302	3.09469	20.23092	0.256653	6.914305	26.94024
PPM1A	1	9.633917	13.8667	12.47179	10.18817	6.63718	14.3057	23.97563	21.0513	19.50961	13.35638	10.55955	18.43972	1.74626
PPM1B	1	19.03214	19.40902	15.617	16.24262	19.45186	22.08159	27.68367	49.15763	49.23943	21.30148	17.95053	33.89276	1.88812
PPM1D	1	4.142671	4.730615	6.179042	4.428806	3.454199	2.331504	4.18018	10.7065	5.114742	5.212966	4.587066	5.509178	1.201024
PPM1E	1	27.05931	32.48433	14.7571	17.01312	18.72848	11.50556	23.19613	9.445493	10.01807	3.061255	22.00847	11.4453	0.520041
PPM1F	0.93742	2.944813	2.887909	5.236849	6.222067	5.012964	0.663458	0.584964	0.468063	1.104789	2.119474	4.46092	0.98815	0.221512
PPM1G	1	24.35536	21.59661	16.43741	20.44366	33.30867	30.5995	37.49822	32.72233	20.90897	31.20547	23.22834	30.5869	1.316792
PPM1H	1	14.72906	11.15713	12.44901	10.21687	1.702686	13.24586	15.1182	19.43174	21.60618	23.10569	10.05095	18.50153	1.840774
PPM1J	1	0.06893	0.155687	0.521104	0.603406	0.287776	0.693722	0.067603	0.274072	0.575635	0.29087	0.327381	0.38038	1.16189

PPM1K	1	19.03299	20.39846	24.44275	30.71664	17.5715	16.31706	21.51732	12.54486	20.86989	7.183008	22.43247	15.68643	0.699273
PPM1L	1	10.62469	14.92275	11.75239	10.69305	8.552682	4.517059	9.564878	5.536833	6.496915	4.253036	11.30911	6.073744	0.537066
PPM1M	1	5.842941	4.045489	5.639797	6.551356	11.7031	14.83398	5.173314	3.954958	3.011599	2.095793	6.756537	5.813929	0.860489
PPM1N	1	0.091317	0.217708	0.199433	0.376781	0.743414	4.885121	2.587256	2.255148	0.472076	2.648057	0.325731	2.569532	7.888516
PPME1	1	31.67126	30.62586	16.10031	16.86455	55.08274	33.44887	45.07949	52.20067	26.04863	30.74417	30.06895	37.50437	1.247279
PPOX	1	7.073917	7.874195	7.805043	8.771708	26.76982	26.60821	9.394823	18.90106	11.23753	26.22855	11.65894	18.47404	1.584539
PPP1CA	1	19.55887	17.86457	18.9583	25.75114	52.96522	55.35759	32.86064	42.85887	33.02201	74.82838	27.01962	47.7855	1.768548
PPP1CB	1	75.09434	69.81433	44.02126	42.03362	52.00593	69.05145	107.642	76.32498	87.93089	72.62742	56.5939	82.71535	1.46156
PPP1CC	1	35.724	38.14848	30.50627	30.0521	32.84659	38.12451	40.44222	67.22897	65.17118	46.74772	33.45549	51.54292	1.540642
PPP1R10	1	7.228584	7.257242	10.09018	12.95311	9.684663	13.79569	13.57155	19.39686	11.97284	18.79644	9.442755	15.50668	1.642177
PPP1R11	1	49.72169	38.66336	32.69196	45.98194	68.44736	90.49423	46.89029	35.22349	24.99102	24.17412	47.10126	44.35463	0.941687
PPP1R12A	1	32.79797	29.20604	12.80696	14.68361	10.52327	12.83648	16.75524	13.33026	15.61399	8.060517	20.00357	13.3193	0.665846
PPP1R12B	0.090171	8.419269	7.029589	11.48757	16.52963	4.736295	4.01779	2.316027	1.593988	1.789333	3.72156	9.640472	2.687739	0.278797
PPP1R12C	1	11.9763	9.822913	18.5626	25.15258	12.09685	16.89553	10.93689	12.08238	11.49036	28.61928	15.52225	16.00489	1.031093
PPP1R13B	1	6.597658	6.293465	9.109686	9.171473	2.999301	5.872812	5.912026	9.915566	6.523771	9.707441	6.834316	7.586323	1.110034
PPP1R13L	1	1.905874	1.462867	2.299124	2.564312	5.681673	0.573457	0.33264	0.829366	0.667635	1.014864	2.78277	0.683592	0.245652
PPP1R14A	1	17.34192	42.22259	52.44937	71.62348	41.40496	18.82634	4.639288	3.718905	14.49301	37.40637	45.00847	15.81678	0.351418
PPP1R14B	1	8.721188	5.361386	7.673504	8.668302	14.18851	26.81536	10.57707	6.540214	9.730659	14.60182	8.922578	13.65302	1.530166
PPP1R14C	0.044687	0.40751	0.200088	0.251518	0.191017	0.04808	3.662563	2.974307	6.227532	1.053339	2.385686	0.219642	3.260685	14.84542
PPP1R14D	1	0.04419	0	0.144765	0.211741	0.299795	0.751603	0.892071	0.856555	0.057112	0	0.140098	0.511468	3.650781
PPP1R15A	1	9.864705	3.811614	5.316981	4.535481	5.662793	4.302103	2.233931	2.880419	1.757107	4.625198	5.838315	3.159752	0.54121
PPP1R15B	1	15.02688	16.6054	16.81701	17.62695	12.45093	6.529656	10.46652	14.58581	12.45037	8.74259	15.70543	10.55499	0.67206
PPP1R16A	1	2.339683	1.956221	3.972651	6.173119	1.539732	1.344955	0.262415	0.345037	2.105034	5.037825	3.196281	1.819053	0.569115
PPP1R16B	1	32.96165	32.94715	51.04414	54.67307	33.47764	65.39768	43.09888	26.53197	17.61048	14.17866	41.02073	33.36353	0.813334
PPP1R17	1	0.94979	1.017799	11.23455	0.473369	0.827784	2.285733	2.018256	18.56238	13.69085	9.219665	2.900658	9.155377	3.15631
PPP1R18	1	2.239864	1.293167	3.888686	4.461816	1.895186	16.13413	5.762322	6.292881	4.586178	7.227163	2.755744	8.000535	2.903222
PPP1R1A	1	39.37927	29.74784	41.06963	54.51652	152.8954	21.81326	10.04147	16.84742	26.68419	53.61799	63.52173	25.80087	0.406174
PPP1R1B	1	37.47354	26.4899	50.50619	91.998	78.19841	147.574	79.32473	69.91427	48.85874	205.3413	56.93321	110.2026	1.935647
PPP1R1C	1	0.35811	0.08987	0.0869	0.095328	0.971793	0	0	0	1.439899	0	0.3204	0.28798	0.898813
PPP1R2	1	31.46282	26.32584	24.56774	24.81683	5.989717	26.14218	32.13245	39.33089	44.74164	32.82937	22.63259	35.03531	1.548003
PPP1R21	1	10.10171	11.50585	10.54531	11.90849	8.011024	6.894249	8.307884	8.044386	4.587922	7.851796	10.41448	7.137247	0.68532
PPP1R26	1	3.351625	3.628868	6.413928	7.542107	3.918792	1.16577	1.376528	0.734524	1.270712	2.366513	4.971064	1.382809	0.278172
PPP1R27	1	0	0	0	0	0	0	0	0.115705	0	0.074422	0	0.038025	#DIV/0!
PPP1R2C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PPP1R32	1	0	0.08935	1.187951	0.947762	0	0.258785	0.042031	0.05112	0.869161	0.082201	0.445013	0.26066	0.585735
PPP1R35	1	4.995327	3.870161	4.82052	5.520005	12.92518	4.255704	1.481137	3.252554	5.805403	9.687883	6.426238	4.896536	0.76196
PPP1R36	1	2.086764	1.896111	0.680993	0.612959	3.471444	0.209209	0.101937	0.06199	0.61999	0.15949	1.749654	0.230523	0.131754
PPP1R37	1	12.83339	11.36968	16.46369	21.32126	9.005752	21.46562	22.52938	12.11044	17.95947	16.53983	14.19875	18.12094	1.276235
PPP1R3A	1	0	0	0	0	0	0	0	0	0.045572	0.007327	0	0.01058	#DIV/0!
PPP1R3B	1	1.251583	0.213422	0.545124	0.597997	0.474139	1.212953	0.757707	0.414698	2.488551	0.598676	0.616453	1.094517	1.775507
PPP1R3C	1	25.97449	14.88535	15.47107	16.98916	21.38591	7.116111	12.13253	10.6372	10.01516	10.4148	18.9412	10.06316	0.531284
PPP1R3D	1	2.133699	2.275052	0	0	3.497607	1.473731	1.196792	0.755784	0.083988	0.108028	1.581272	0.723665	0.457647
PPP1R3E	1	4.857182	3.950726	3.635127	4.461295	5.905212	3.042657	2.936831	11.94348	9.205808	11.06206	4.561908	7.638169	1.674336
PPP1R3F	1	5.770662	6.017945	6.789887	5.285358	8.721467	10.92393	7.122733	11.54582	6.366113	16.36737	6.517064	10.46519	1.605814
PPP1R3G	1	0.10515	0.026388	0.204127	0.356881	0	0.213999	0.27309	0.120779	0.241593	0.25248	0.138509	0.220388	1.591147
PPP1R42	0.05431	2.160196	3.286114	1.637222	2.729476	4.871667	0	0	0	0.305957	0.180368	2.936935	0.097265	0.033118

PPP1R7	1	41.99706	40.12041	21.76446	32.05033	36.94822	73.91747	61.88391	46.07977	39.73957	50.23162	34.5761	54.37047	1.572487
PPP1R8	1	9.028767	9.79272	7.803643	8.090748	13.26749	14.09305	18.64862	18.53683	9.95683	15.74767	9.596673	15.3966	1.604369
PPP1R9A	1	21.09061	29.56877	18.2178	20.13805	17.94013	13.82319	15.41819	7.187609	13.85513	10.8358	21.39107	12.22398	0.571453
PPP1R9B	1	79.45951	64.26388	67.19583	85.4754	60.80471	172.9139	68.23716	48.75529	47.28539	107.8944	71.43987	89.01722	1.246044
PPP2CA	1	142.492	148.6746	99.50932	100.2654	248.9365	166.3227	224.6324	181.5793	184.7163	151.296	147.9756	181.7094	1.227969
PPP2CB	1	43.00463	37.54191	30.43596	37.71556	87.03027	93.15307	63.85348	47.64155	51.76091	39.98955	47.14567	59.27971	1.257374
PPP2R1A	1	193.9715	167.3235	160.3414	217.4324	330.8422	307.5939	201.781	122.9013	111.4421	251.9987	213.9822	199.1434	0.930654
PPP2R1B	1	5.922667	6.92725	6.643163	7.782654	3.262385	6.010801	9.09204	11.5066	7.944053	5.822295	6.107624	8.075158	1.322144
PPP2R2A	1	31.57459	34.88627	23.34169	31.36563	19.54346	29.90347	37.34256	21.32482	29.50239	17.36042	28.14233	27.08673	0.962491
PPP2R2B	1	50.79268	60.00503	18.64163	32.09821	90.873	127.7908	122.3377	10.60637	25.12001	15.35701	50.48211	60.24239	1.193341
PPP2R2C	1	66.93379	67.89729	57.9552	72.73816	100.2418	121.714	92.00235	48.18173	49.53625	52.50499	73.15324	72.78787	0.995005
PPP2R3A	1	1.985759	2.45554	2.111196	1.534562	0.973947	2.824246	3.913464	4.197745	6.514223	2.74357	1.812201	4.03865	2.228588
PPP2R3B	1	0.738315	0.657907	1.158949	1.181533	0.782634	3.139372	2.941653	4.457278	3.011709	3.931277	0.903868	3.496258	3.868108
PPP2R3C	0.626682	6.952922	9.155624	6.322197	7.073682	14.31361	35.36455	21.22789	27.95245	40.21331	34.82184	8.763607	31.91601	3.64188
PPP2R5A	1	14.24119	15.32444	15.92777	17.78992	22.8499	21.11435	15.17018	20.56781	20.50711	8.334914	17.22665	17.13887	0.994905
PPP2R5B	1	35.10979	36.03977	35.94095	46.49964	65.25252	51.28847	45.43839	36.81666	36.12212	54.95086	43.76853	44.9233	1.026383
PPP2R5C	1	30.30381	27.83104	32.48208	37.66967	35.38579	33.10628	28.61236	15.77796	23.43742	15.5422	32.73448	23.29525	0.711643
PPP2R5D	1	25.60914	24.64291	26.4499	31.30681	31.18069	31.15997	31.18645	37.52086	22.29967	41.8444	27.83789	32.80227	1.178332
PPP2R5E	1	14.68394	16.16519	10.85968	10.65443	10.10704	8.203876	17.20486	14.97017	17.61622	12.15629	12.49406	14.03028	1.122956
PPP3CA	1	157.1345	177.7938	80.24412	81.21828	128.2373	94.01942	190.5542	132.5756	131.683	117.5755	124.9256	133.2815	1.066887
PPP3CB	1	98.98207	98.48531	36.84051	45.57294	102.3454	106.4463	177.3749	107.8118	98.27661	83.06774	76.44524	114.5955	1.499053
PPP3CC	1	11.7158	13.24969	10.75836	10.70773	11.59997	11.79157	10.93147	9.849949	11.49183	8.551614	11.60631	10.52329	0.906687
PPP3R1	1	259.3593	268.7107	100.3227	111.0162	45.32928	303.5078	529.7713	177.242	187.4848	145.7432	156.9476	268.7498	1.712354
PPP3R2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PPP4C	1	13.02768	13.32223	21.7165	26.82139	42.74616	40.53052	22.86359	30.59546	15.22846	35.35825	23.52679	28.91525	1.229035
PPP4R1	1	3.140746	2.878373	4.049318	5.707884	2.933914	5.299637	3.64883	5.778046	1.947371	4.423998	3.742047	4.219576	1.127612
PPP4R2	1	13.11911	13.90611	8.749503	8.274048	6.541996	13.24447	23.04167	24.76672	28.23507	12.23029	10.11815	20.30364	2.006655
PPP4R3A	1	9.450729	10.57416	11.99537	10.67847	8.665314	14.60045	15.04628	30.35647	25.75033	20.13374	10.27281	21.17746	2.061506
PPP4R3B	1	20.41129	16.71207	14.36418	15.4956	10.66559	15.63071	17.69858	24.69939	35.45394	14.18571	15.52974	21.53367	1.386608
PPP4R4	1	7.066533	6.700197	8.733421	7.091988	3.224628	8.203406	9.133182	6.915348	20.49855	8.61582	6.563353	10.67326	1.62619
PPP5C	1	24.17747	24.40918	22.02485	25.02079	20.209	23.65705	40.5224	34.68729	17.20162	27.1762	23.16826	28.64891	1.236559
PPP6C	1	21.15294	25.02041	17.35733	14.99833	15.09709	37.43334	45.07885	37.794	34.63901	28.63874	18.72522	36.71679	1.96082
PPP6R1	4.35E-05	1.239662	1.32996	2.50432	2.67297	0.168202	0.486567	0.460988	0.320384	1.121506	1.133403	1.583023	0.704569	0.445078
PPP6R2	1	10.471	8.912024	12.92113	13.61207	7.642878	11.50446	11.92019	13.72904	12.2294	18.55745	10.71182	13.58811	1.268515
PPP6R3	1	15.97524	17.95169	15.93438	15.59936	12.82902	9.96401	22.59544	27.22145	28.19112	19.65886	15.65794	21.52618	1.374777
PPRC1	1	2.876074	2.699956	4.378769	5.123895	2.742893	2.651035	3.717208	2.171796	1.8723	2.223261	3.564317	2.52712	0.709005
PPT1	1	32.3018	30.30573	23.53329	29.89462	31.76931	18.94108	42.30854	31.08741	18.79581	18.33735	29.56095	25.89404	0.875954
PPT2	1	5.788565	5.990587	6.959082	6.824716	13.85003	9.651859	7.45009	16.37601	11.0448	11.62595	7.882596	11.22974	1.424625
PPTC7	1	6.544852	7.574771	7.501974	6.671337	1.378927	4.254827	8.249469	5.830878	4.728426	10.87973	5.934372	6.788666	1.143957
PPWD1	1	8.581111	8.647342	6.456782	5.365402	6.979877	6.575642	4.900208	6.742997	7.336225	7.642226	7.206102	6.63946	0.921366
PPY	1	0	0.088928	0	0	0	0	0	0	0	0	0.017786	0	0
PPYR1	0.125527	0.874581	0.519378	1.333743	1.01153	0.838848	0.078913	0.064084	0.038971	0.038976	0.213064	0.915616	0.086802	0.094801
PQBP1	1	14.97569	11.74089	13.15577	13.33471	25.65758	28.28437	17.04879	25.60252	12.26966	37.0953	15.77293	24.06013	1.525406
PQLC1	1	2.442463	3.276025	6.473596	8.076754	5.662793	2.85428	1.662851	1.000997	1.716244	5.295327	5.186326	2.50594	0.483182
PQLC2	1	2.465305	2.232137	5.49401	5.22617	7.782277	1.61742	1.725852	6.185684	1.263327	3.046737	4.63998	2.767804	0.596512
PQLC3	1	1.388297	1.755949	1.164283	1.077645	1.868621	1.743699	0.330407	0.315742	0.229664	0.793888	1.450959	0.68268	0.470502

PRAC2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRADC1	1	7.367786	6.372832	4.265073	6.926982	28.49367	25.15232	12.04528	7.865731	6.752402	11.4045	10.68527	12.64405	1.183316
PRAF2	1	23.18911	21.79707	43.8247	58.39816	68.61809	36.2066	31.64702	30.14348	29.04007	66.66392	43.16542	38.74022	0.897483
PRAG1	1	12.39603	14.88383	14.56224	17.11757	7.304642	2.866769	7.392733	5.147272	3.113193	16.10153	13.25286	6.9243	0.522476
PRAM1	1	0.062641	0.13505	0.534784	0.361543	0.494507	0.238415	0.060504	0.176609	0.323831	0.795175	0.317705	0.318907	1.003783
PRAP1	1	0.072606	0.054663	0.026428	0.014496	0.328384	0.063329	0	0.015637	0.062558	0.05029	0.099315	0.038363	0.386273
PRC1	1	1.316877	1.209184	2.540025	2.248276	1.285818	7.986583	6.917286	7.888239	5.344423	1.83106	1.720036	5.993518	3.484531
PRCC	1	12.46511	12.06594	12.32137	14.13445	18.83249	25.64942	21.62517	24.92498	24.08977	41.77433	13.96387	27.61273	1.977441
PRCP	1	9.874179	9.966647	11.91952	9.775752	14.28948	21.52795	11.7387	7.195781	7.903147	2.799127	11.16512	10.23294	0.91651
PRDM1	1	0.343159	0.375877	0.405715	0.370889	0.574137	0.621126	0.131584	0.233388	0.360137	0.433195	0.413955	0.355886	0.859721
PRDM10	1	2.515583	3.453146	4.284377	2.706125	2.436328	1.327165	2.520988	3.902335	4.174147	2.510012	3.079112	2.88693	0.937585
PRDM11	1	1.181478	1.006278	2.16803	1.619276	1.243052	0.856648	0.900443	1.658081	0.791627	1.45271	1.443623	1.131902	0.78407
PRDM12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRDM13	1	0	0.039942	0.038622	0.010592	0	0	0	0	0	0	0.017831	0	0
PRDM14	1	0	0	0	0	0	0	0	0	0	0.036387	0	0.007277	#DIV/0!
PRDM15	1	1.328939	1.308531	1.553118	1.624819	1.005891	0.589144	1.330281	1.710188	1.178143	0.963076	1.36426	1.154166	0.846002
PRDM16	1	0.592991	0.464941	0.703038	0.895029	0.62988	0.301465	0.32762	0.03503	0.394142	0.070411	0.657176	0.225734	0.34349
PRDM2	1	5.686301	7.696235	7.823425	6.305684	3.131173	2.49959	5.229601	5.64578	3.846707	6.080207	6.128564	4.660377	0.760435
PRDM4	1	6.435006	4.919337	5.367571	5.255045	4.73316	6.407985	7.47815	7.478786	6.785396	7.006948	5.342024	7.031453	1.316253
PRDM5	1	1.04861	0.953434	1.05698	1.072537	0.693155	1.280468	2.228244	0.583708	4.614746	3.182348	0.964943	2.377903	2.464293
PRDM6	1	1.901532	0.005883	0.14791	0.074888	0.056549	0.081792	0.044281	0.026928	0.053864	0	0.437352	0.041373	0.094599
PRDM7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRDM8	1	17.50549	16.67007	7.602018	10.66136	12.01973	7.662444	15.11609	4.688408	4.427263	7.125742	12.89173	7.803989	0.605348
PRDM9	1	0	0	0.033347	0.009145	0	0	0	0	0.078935	0.164984	0.008498	0.048784	5.740329
PRDX1	1	45.26756	36.59297	52.38872	63.80407	137.8902	169.154	139.0115	153.3638	110.5913	84.87041	67.18871	131.3982	1.955659
PRDX2	1	108.2388	102.7811	116.8025	130.6084	243.3079	261.338	188.1444	156.5435	122.4078	321.9442	140.3478	210.0756	1.496822
PRDX3	1	51.76618	49.11779	33.52692	34.18343	81.58823	92.04128	80.1369	62.91091	78.4629	93.29433	50.03651	81.36927	1.626198
PRDX4	1	11.13541	8.227768	11.27567	14.11481	24.1645	51.02613	18.42515	33.05613	21.20364	22.87679	13.78363	29.31757	2.126985
PRDX5	1	35.09799	29.38558	37.24072	40.15377	95.59628	101.001	69.57568	90.20605	47.37205	182.5782	47.49487	98.1466	2.066468
PRDX6	1	51.55778	48.67016	45.42184	55.04908	106.9781	94.94382	78.15003	74.68962	33.30964	50.01548	61.5354	66.22172	1.076157
PREB	1	5.876711	6.170356	9.2278	9.344144	17.44924	11.49281	10.19177	13.75776	11.76165	17.1287	9.613651	12.86654	1.338361
PRELID1	1	25.30221	24.16738	24.17951	34.88649	42.28164	63.73431	38.24438	23.37925	19.26451	27.56166	30.16345	34.43682	1.141674
PRELID2	1	0.579524	0.488825	0.265632	0.222832	0.174738	0.636522	0.281259	0.360569	0.147947	0.172454	0.34631	0.31975	0.923306
PRELID3A	6.13E-11	4.018415	5.03384	6.994845	6.266639	2.915986	0.070099	0.154966	0.219247	0.407781	0.227613	5.045945	0.215941	0.042795
PRELID3B	1	11.63723	11.32846	9.20045	10.2826	10.98252	16.99663	24.33067	19.05791	18.05553	14.54464	10.68625	18.59708	1.74028
PRELP	1	22.90486	6.926429	23.14577	31.86146	9.382589	3.59265	12.78816	13.20941	6.657476	9.595929	18.84422	9.168725	0.486554
PREP	1	7.921831	11.60512	11.93526	10.90445	6.026066	10.71467	20.9331	11.57995	7.083322	10.4067	9.678545	12.14355	1.254687
PREPL	1	94.05335	110.4278	36.9801	27.97995	58.57132	26.00659	44.9797	30.87437	44.67766	42.07509	65.60251	37.72268	0.575019
PREX1	1	18.518	12.34999	20.35425	19.15619	13.3439	10.33985	12.81868	14.42484	11.73038	9.241367	16.74446	11.71102	0.699397
PREX2	1	3.299247	6.553773	13.05148	6.253616	1.864816	3.652793	7.981685	9.010237	13.13138	5.14354	6.204587	7.783926	1.254544
PRF1	1	0.048115	0	0.105081	0.019212	0	0	0.01704	0	0.124369	0.013331	0.034482	0.030948	0.897516
PRG3_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRG3_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRG4	1	0	0	0.034801	0.022906	0.017297	0	0	0	0.247133	0.026489	0.015001	0.054724	3.6481
PRICKLE1	1	17.4846	18.91017	11.94031	16.24972	11.0083	11.29317	24.06982	4.759219	4.533249	2.14852	15.11862	9.360795	0.619157
PRICKLE2	1	14.40873	14.88918	9.003348	15.96574	19.05163	12.92996	14.67228	4.021184	2.767225	1.155439	14.66372	7.109217	0.484817

PRICKLE3	1	0.572638	0.431123	1.10562	0.914613	1.306221	0.521183	0.299798	0.171589	0.600647	0.193142	0.866043	0.357272	0.412534
PRIM1	1	3.441067	3.875101	3.630918	2.778899	1.914799	6.778379	8.606088	12.29066	17.78907	13.78633	3.128157	11.85011	3.788207
PRIM2	1	2.722809	3.263785	2.333954	2.304296	6.985325	8.218911	7.582798	8.357875	5.620768	2.996881	3.522034	6.555447	1.861267
PRIMA1	1	0.25946	0.338088	2.22301	1.721382	0.054161	0	0.466517	1.599024	1.341312	4.545326	0.91922	1.590436	1.730202
PRIMPOL	1	2.457464	2.573059	2.132584	1.764319	2.186113	0.723947	1.642678	1.598309	2.944682	1.569121	2.222708	1.695747	0.76292
PRKAA1	1	5.478256	6.330815	5.690229	5.424828	2.804328	5.867539	6.291067	10.25003	7.363768	5.299522	5.145691	7.014385	1.363157
PRKAA2	1	3.614197	5.691764	4.099021	3.680132	3.188751	1.672331	3.966775	0.695194	2.676624	2.588786	4.054773	2.319942	0.572151
PRKAB1	1	7.906054	5.494371	5.767155	7.505557	11.24838	4.69028	6.682578	4.94274	3.4749	5.560289	7.584303	5.070157	0.668507
PRKAB2	1	8.7653	10.38065	8.570329	8.746587	7.029986	5.007674	3.854107	6.462558	8.859301	7.853518	8.69857	6.407431	0.736607
PRKACA	1	28.00155	26.01534	31.73892	41.32526	33.35565	34.51282	32.9016	33.05428	35.22402	54.33725	32.08734	38.006	1.184454
PRKACB	1	95.14062	106.466	45.2408	48.71716	72.77567	66.36622	110.0144	80.17088	50.62747	42.13077	73.66806	69.86195	0.948334
PRKAG1	1	18.32166	16.28932	13.52651	14.73974	22.78253	33.52217	20.91752	29.45762	27.14878	36.25054	17.13195	29.45932	1.719554
PRKAG2	1	18.41431	16.3386	11.65944	12.1223	25.37674	11.5103	14.14528	21.63857	13.38621	14.26815	16.78228	14.9897	0.893186
PRKAG3	1	0.598952	0.093005	0.261617	0.273539	0.162536	1.488893	0.015909	0	0.580568	0.323589	0.27793	0.481792	1.733501
PRKAR1A	1	123.4634	117.0483	109.8522	113.2188	172.6912	43.14297	63.09477	52.92657	68.28945	97.99236	127.2548	65.08922	0.511487
PRKAR1B	0.004733	99.26915	89.60108	85.4904	123.6594	91.3193	34.52341	21.45419	13.82065	12.25241	33.25402	97.86786	23.06093	0.235633
PRKAR2A	1	9.266742	9.978057	10.6594	10.89313	7.432815	7.231845	9.259896	17.84785	15.10985	13.05439	9.646029	12.50077	1.295949
PRKAR2B	1	56.95153	54.12359	13.74119	21.00631	7.160087	36.6096	57.21741	7.028935	5.316187	8.547287	30.59654	22.94388	0.749885
PRKCA	1	37.6463	36.23755	24.84484	39.28753	31.94733	9.540507	18.93623	2.801138	2.162793	1.329664	33.99271	6.954067	0.204575
PRKCB	1	65.92126	84.46381	28.36648	42.45777	42.50499	49.22112	75.58386	44.8601	18.70498	17.47964	52.74286	41.16994	0.780578
PRKCD	1	1.037193	0.596139	2.357881	0.981882	1.439693	3.470569	5.366218	2.138968	2.084426	1.799124	1.282558	2.971861	2.317136
PRKCE	1	47.86357	44.36166	30.07936	24.24138	28.64952	18.68451	30.05276	16.66652	21.3804	19.60506	35.0391	21.27785	0.60726
PRKCG	1	59.87214	53.28425	60.29416	97.35389	73.63116	48.96596	77.70952	33.47841	21.39873	35.95072	68.88712	43.50066	0.631477
PRKCH	1	2.068379	1.419018	4.607604	7.110994	2.273225	6.711193	1.626224	1.176034	1.844503	0.86818	3.495844	2.445227	0.699467
PRKCI	1	12.02302	15.24039	6.401451	5.616247	2.504067	11.61116	22.75126	20.70936	21.71204	11.13231	8.357036	17.58323	2.104003
PRKCQ	1	1.18258	2.335591	4.092236	6.494391	2.916061	23.68145	25.56526	1.102505	0.307071	0.260317	3.404172	10.18332	2.991424
PRKCSH	1	22.42826	18.81513	32.33512	36.60752	31.94547	21.13178	23.81464	33.86674	32.91626	62.73	28.4263	34.89189	1.227451
PRKCZ	1	63.5949	58.97636	53.93598	64.86236	45.28593	150.9592	75.34402	71.53315	55.69015	150.138	57.33111	100.7329	1.757037
PRKD1	1	6.809509	5.588601	7.058397	8.564233	6.018889	7.86895	4.419307	1.667567	6.373416	4.098834	6.807926	4.885615	0.717636
PRKD2	1	0.839074	0.87718	1.958163	2.590343	0.962834	2.433952	1.752425	2.478331	2.00774	1.737549	1.445519	2.082	1.440313
PRKD3	1	4.552847	3.208667	3.298641	2.758428	2.536498	18.40037	7.754125	7.535087	5.34413	1.703008	3.271016	8.147345	2.490769
PRKDC	1	2.677182	2.476244	4.840785	3.698426	1.082909	3.920322	3.350249	4.317153	7.347105	4.794855	2.955109	4.745937	1.606011
PRKG1	1	3.45011	3.459243	2.191774	1.396562	2.100119	1.515517	0.949569	2.780796	7.31759	3.232813	2.519561	3.159257	1.253892
PRKG2	1	2.129951	1.637229	1.358169	1.275727	0.474634	1.62726	1.817023	0.361625	0.241118	0.038767	1.375142	0.817159	0.594236
PRKN	1	1.230831	1.121053	0.800583	1.092983	1.234374	0.57412	0.653864	0.629287	1.908886	0.555992	1.095965	0.86443	0.788739
PRKRA	1	12.24644	13.55007	6.840219	7.16627	25.65072	28.89045	19.96618	15.86879	8.736385	14.87028	13.09074	17.66642	1.349535
PRKRIP1	1	2.213165	2.265757	2.213457	3.493555	2.189031	6.386458	7.164178	6.200905	5.453313	2.785052	2.474993	5.597981	2.261817
PRKX	1	2.101331	1.192868	1.709711	1.709523	0.376089	1.372169	0.413889	0.232332	2.594756	0.871722	1.417904	1.096974	0.773658
PRL	1	0.126187	0.095003	0	0.050386	0.741934	0	0	0	0	0	0.202702	0	0
PRLH	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRLHR	1	0.016482	0	0.161979	0.128332	0	0	0.087557	0.10649	0	0.068495	0.061358	0.052508	0.855765
PRLR	1	0.55756	1.134366	1.923503	0.99923	0.268633	0.068567	0.117551	0.240791	0.421445	0.186338	0.976658	0.206938	0.211884
PRM1	1	0	8.785935	0	0	0	0	0	0	0	0	1.757187	0	0
PRM2	1	0	0.939655	0	0	0	0	0	0	0	0	0.187931	0	0
PRM3	1	0.047188	0.799348	0	0	0	0	0	0	0	0	0.169307	0	0
PRMT1	1	45.85493	47.86825	35.3501	41.13165	81.39945	75.88809	73.5562	63.57898	49.14063	92.59205	50.32087	70.95119	1.409975

PRMT2	1	9.00363	8.74584	8.2321	11.48536	12.90879	16.28059	11.40241	13.82549	18.76286	37.86907	10.07514	19.62808	1.948169
PRMT3	1	7.827824	9.805582	5.167332	6.763377	5.220526	18.90125	16.02289	9.981936	15.20371	4.496771	6.956928	12.92131	1.85733
PRMT5	1	15.70918	15.77634	12.13041	13.33216	16.29057	17.5433	16.13922	18.39664	10.80393	10.04918	14.64773	14.58645	0.995816
PRMT6	1	4.947428	5.228208	7.847199	8.260672	4.200217	8.968011	6.724819	4.928815	3.000585	7.305363	6.096745	6.185519	1.014561
PRMT7	1	5.869395	4.615092	5.122238	5.611959	11.33094	22.19273	15.78214	13.01085	5.848079	12.27734	6.509925	13.82223	2.123254
PRMT8	1	23.13532	20.5038	11.55662	11.47554	22.27156	8.718964	19.35076	6.752278	3.425567	7.883702	17.78857	9.226254	0.518662
PRMT9	1	7.312545	7.153142	5.938257	5.342154	6.372389	2.964496	6.204573	5.20384	10.40919	3.561162	6.423697	5.668653	0.88246
PRND	1	0	0.025646	0	0	0	0.029712	0	0	0	0.018876	0.005129	0.009717	1.894526
PRNP	1	194.5839	212.5356	153.6858	198.5922	194.3119	25.43833	113.4547	69.77215	43.2081	49.22563	190.7419	60.21979	0.315714
PROB1	1	1.340465	0.864446	3.202223	1.937213	1.102002	0.188072	0.244368	0.789464	0.315832	0.412206	1.68927	0.389988	0.230862
PROC	1	0.130046	0.097908	0.260348	0.155782	0.147043	0.113429	0	0	0.784342	0	0.158226	0.179554	1.134799
PROCA1	1	4.526254	3.662103	2.89249	3.074904	5.761598	18.50687	4.381078	7.992645	19.05809	18.77064	3.98347	13.74186	3.449722
PROCR	1	1.31732	0.709708	2.718611	2.316345	1.738193	2.529897	0.924519	3.966757	4.37344	1.888474	1.760035	2.736617	1.554865
PRODH	0.346986	11.7617	8.474394	27.55971	40.12857	21.98433	2.56857	1.708925	0.718291	3.423841	10.98011	21.98174	3.879948	0.176508
PRODH2	1	0.024407	0	0.026652	0.029237	0	0	0	0	0.315433	0	0.016059	0.063087	3.928447
PROK1	1	0	0	0	0.022253	0	0.048609	0	0	0	0.046321	0.004451	0.018986	4.265958
PROK2	1	0.18305	0.165375	0.039977	0.043855	0.198694	0.095796	0.330625	0	0	0	0.12619	0.085284	0.675839
PROKR1	1	1.295574	1.75907	0.615575	0.882603	0.939326	0.232906	2.595414	2.223705	0.766906	0.460328	1.09843	1.255852	1.143316
PROKR2	1	0.035352	0.22956	2.364493	0.296438	0.179877	0.092505	0.619754	0.068524	0	0.675823	0.621144	0.291321	0.469008
PROM1	1	0.971699	1.637024	0.892928	0.508849	0.864549	0.027788	0.045133	0.068615	1.180346	0.273628	0.97501	0.319102	0.327281
PROM2	1	0.099766	0.145527	0.081707	0.184242	0.282012	0.565615	0.538826	1.536288	0.128938	0.732477	0.158651	0.700429	4.414913
PROP1	1	0.009974	0	0	0	0	0	0	0	0	0	0.001995	0	0
PRORSD1	1	2.499489	3.097115	2.122861	3.077292	10.64521	7.267024	2.950715	1.614947	6.101797	2.539157	4.288394	4.094728	0.95484
PROS1	1	28.24228	3.606125	4.408177	3.938479	4.215001	34.04129	10.4546	12.59301	17.36377	6.474695	8.882013	16.18547	1.822275
PROSER1	1	2.26772	2.387031	4.876935	4.270743	3.844848	3.243978	2.593475	4.209025	4.020552	4.358524	3.529456	3.685111	1.044102
PROSER2	1	2.135631	1.435283	2.336137	1.656395	2.488078	0.760701	0.308876	9.189395	13.93061	5.086663	2.010305	5.855249	2.912617
PROSER3	1	1.487049	1.474081	1.960623	2.315725	1.823386	1.844673	2.188527	2.70447	1.053473	2.948055	1.812173	2.14784	1.185229
PROX1	1	1.607973	1.85854	6.133623	7.104725	0.954686	1.726697	1.516258	7.75151	10.30602	4.004524	3.531909	5.061003	1.432937
PROX2	1	0	0	0	0.020232	0	0	0	0	0.043656	0	0.004046	0.008731	2.157803
PROZ	1	0.103318	0.051857	0.275785	0.687576	0.124609	0.120155	0.292727	0.296688	0.059346	1.698403	0.248629	0.493464	1.98474
PRP1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRP14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRP2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRP3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRP4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRP6	0.014209	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRP8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRP9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRPF18	1	13.21365	12.92316	8.372624	7.547265	9.110053	11.51153	14.27845	11.00432	8.366124	7.522074	10.23335	10.5365	1.029623
PRPF19	1	31.09739	32.48509	34.37066	42.38503	88.24835	39.06017	49.91423	47.14201	30.02075	80.47479	45.71731	49.32239	1.078856
PRPF3	1	16.25733	16.06356	14.31393	11.95552	13.38751	16.21988	13.36826	39.38899	23.51924	21.34121	14.39557	22.76752	1.581564
PRPF31	1	16.06229	17.03962	15.82146	19.08228	16.23444	10.55836	16.51954	14.67619	15.42331	31.53087	16.84802	17.74165	1.053041
PRPF38A	1	7.889289	7.344567	1.459092	1.541331	4.174351	6.841638	5.853937	9.784363	3.411168	3.263233	4.481726	5.830868	1.301032
PRPF38B	1	29.85076	27.51098	19.52238	18.75513	13.63971	24.91815	21.07983	48.1803	49.22979	28.86858	21.85579	34.45533	1.576485
PRPF39	1	11.15427	15.96652	12.30743	10.73714	10.12981	17.50347	19.37668	49.15452	44.70286	24.68286	12.05904	31.08408	2.577659
PRPF4	1	11.79606	10.4125	6.706603	8.950818	21.53634	5.100535	6.130907	7.256728	12.91606	6.827787	11.88046	7.646403	0.643611

PRPF40A	1	13.86712	14.47916	9.537147	10.04139	4.614484	9.985324	14.14819	15.97992	21.06892	14.1071	10.50786	15.05789	1.433012
PRPF40B	1	7.30709	6.877773	8.039597	8.926119	10.04794	10.58124	10.11423	11.49127	6.401737	7.748834	8.239703	9.267461	1.124732
PRPF4B	1	11.83967	13.53778	14.24917	14.17995	7.780418	8.86688	10.82033	15.62025	15.9757	11.17896	12.3174	12.49242	1.01421
PRPF6	1	14.53261	13.01032	19.42966	19.70981	10.77191	16.93611	15.09283	37.0575	25.22031	58.93434	15.49086	30.64822	1.97847
PRPF8	1	32.49276	29.05138	41.0601	38.04523	32.95008	54.40721	53.03883	75.77903	36.75875	52.55643	34.71991	54.50805	1.569936
PRPH	1	0.493968	0.364305	1.166874	1.449114	1.449894	0.949628	0.278481	0.442914	1.407107	2.563969	0.984831	1.12842	1.1458
PRPH2	1	0	0	0.156195	0.068538	0	0	0	0	13.53201	0.166444	0.044946	2.739692	60.95455
PRPS1	1	9.254609	10.1445	5.932986	7.018266	37.15491	6.397627	6.523122	5.218901	3.745048	6.006179	13.90105	5.578175	0.401277
PRPS1L1	1	0.033418	0	0	0	0	0	0	0	0.172759	0	0.006684	0.034552	5.169638
PRPS2	1	13.24463	9.394592	6.213278	8.432831	5.860652	6.955259	11.61422	3.241599	3.499719	3.776512	8.629197	5.817461	0.67416
PRPSAP1	1	21.01783	19.82263	31.24587	54.311	32.4441	19.52778	17.88092	19.63174	19.33934	20.90306	31.76829	19.45657	0.612452
PRPSAP2	1	6.574156	9.014456	8.429359	8.535637	6.537533	8.479098	9.733762	17.20977	25.30313	17.00606	7.818228	15.54636	1.988477
PRP-VII	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRR11	1	0.287801	0.116672	0.161166	0.203317	0.160205	0.502053	0.313622	0.209791	0	0.098138	0.185832	0.224721	1.209267
PRR12	1	5.159671	4.479407	14.39899	18.57419	5.613698	4.833304	2.535399	4.525441	6.996136	13.28496	9.64519	6.435047	0.667177
PRR13	1	13.20501	16.25271	17.48455	18.39063	25.81484	49.9812	42.63036	18.59735	23.07965	41.92949	18.22955	35.24361	1.933323
PRR14	1	2.362843	1.964962	4.687201	5.717642	5.915924	8.964126	3.064346	9.676128	6.370023	10.38794	4.129714	7.692512	1.862723
PRR14L	1	3.853481	3.920195	4.673022	4.906456	2.466939	3.065947	3.82414	4.176819	3.724872	3.265852	3.964019	3.611526	0.911077
PRR15	1	0.008986	0.013531	0.03925	0.053822	0.113798	0.062703	0.06365	0.015483	0.092909	0.109544	0.045877	0.068858	1.50091
PRR15L	1	0.065696	0	0.753258	0.58039	0	0	0	0.084894	0	0.218418	0.279869	0.060662	0.216753
PRR16	1	1.478457	1.08273	1.037159	0.805016	0.632201	1.031633	1.142417	0.023157	2.362409	0.148951	1.007112	0.941713	0.935063
PRR18	3.48E-05	8.084865	16.73637	40.34241	67.32343	38.2059	4.270315	4.583189	1.73269	3.42028	3.270117	34.13859	3.455318	0.101214
PRR19	0.014766	0.736299	1.24726	1.57359	1.222211	2.711671	0.055047	0	0	0.244697	0.017485	1.498206	0.063446	0.042348
PRR22	1	0.485907	1.250612	2.097726	2.666671	1.962556	1.005337	0.120061	1.109776	0.817849	3.080683	1.692695	1.226741	0.724727
PRR23A_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRR23A_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRR23B	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRR29	1	0	0	0.041431	0	0	0.794234	0	0	0	0.031535	0.008286	0.165154	19.9312
PRR3	1	4.384641	5.015789	5.816463	7.606159	20.62402	19.24937	14.94193	11.4158	5.540825	9.542846	8.689415	12.13815	1.39689
PRR32	1	0.049467	0	0	0	0	12.51233	1.12122	0	0	0	0.009893	2.72671	275.6103
PRR33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRR35	1	0	0	0.170037	0.020725	0	0	0	0.134145	0	0.690265	0.038152	0.164882	4.321654
PRR36	1	4.420563	5.114765	11.96834	13.57132	10.26373	1.886192	1.264151	0.650916	2.357107	12.07658	9.067745	3.646989	0.402194
PRR5	1	1.861856	2.479996	4.149631	6.713794	5.130197	1.648935	1.58254	0.91302	1.480788	5.729767	4.067095	2.27101	0.558386
PRR5L	0.461263	0.980147	2.017388	5.547153	7.827413	3.288996	1.792543	0.627068	0.585617	0.708291	0.359154	3.932219	0.814535	0.207144
PRR7	1	3.140736	3.400959	4.190476	4.119975	1.55746	0.831246	2.259137	2.036105	0.27371	0.355574	3.281921	1.151154	0.350756
PRR9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRRC1	1	2.189935	3.017189	3.7114	2.360978	0.831987	2.337972	3.238837	3.010993	2.445373	1.863886	2.422298	2.579412	1.064862
PRRC2A	1	21.80325	22.07106	44.78686	50.37547	20.83102	56.92433	34.98671	43.01368	35.12374	55.12655	31.97353	45.035	1.408509
PRRC2B	1	40.58488	37.23074	56.01949	62.9362	28.99016	25.70477	21.16833	22.869	19.33976	26.73114	45.15229	23.1626	0.512988
PRRC2C	1	35.93624	35.75035	28.35518	22.65718	12.45355	11.84076	21.01547	16.24946	17.2094	14.06041	27.0305	16.0751	0.594702
PRRG1	1	3.174113	4.963586	7.926428	11.38637	3.971909	5.054607	5.198764	2.320241	4.773133	1.824826	6.28448	3.834314	0.610124
PRRG2	1	0.381822	0.633316	0.651472	0.829006	0.906622	0.9991	0.431031	0.524236	0.246735	0.297523	0.680448	0.499725	0.734406
PRRG3	1	6.082368	6.169811	4.036036	5.354373	4.82629	8.298132	4.212927	4.596456	1.286963	3.758043	5.293776	4.430504	0.836927
PRRG4	1	0.221624	0.157435	0.26543	0.342558	0.038801	0.336726	0.410174	0.82221	0.369586	0.285224	0.20517	0.444784	2.167883
PRRT1	1	22.46873	27.56029	33.21129	48.03804	82.48555	11.55233	8.357688	5.093786	9.645637	35.32646	42.75278	13.99518	0.327351

PRRT1B	1	0.410262	0.228796	0.862811	0.928295	0.288637	2.332582	0.484326	0.143991	0.052368	0.24417	0.54376	0.651487	1.198115
PRRT2	1	3.081437	2.095106	2.622516	3.676012	5.586165	6.550217	6.210377	10.03274	7.751463	24.13326	3.412247	10.93561	3.204812
PRRT3	1	6.524792	7.184145	6.347588	9.249938	23.02167	2.206819	5.925563	3.058534	2.531569	8.818808	10.46563	4.508259	0.430768
PRRT4	1	0.149478	0.168807	0.478023	0.396488	0.738835	0.586702	0.272258	0.289739	0.441571	3.061663	0.386326	0.930386	2.408292
PRRX1	1	3.017615	4.553686	2.224244	2.656865	2.303104	3.987522	5.642806	1.335554	2.456996	1.191367	2.951103	2.922849	0.990426
PRRX2	1	0.309035	0	0.061356	0.151442	0	0	0	0	0.435708	0.233509	0.104367	0.133843	1.282436
PRSS1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRSS12	1	0.298583	0.343936	0.247796	0.150222	0.064821	2.781399	2.94396	0.879705	1.790538	0.436783	0.221071	1.766477	7.990529
PRSS16	1	0.018847	0	0.041161	0.090306	0.051144	0	0	0	0	0	0.040292	0	0
PRSS2	1	1.015183	0	1.161348	1.47667	0	0	0	0	0	0	0.73064	0	0
PRSS21	1	0.069111	0.019512	0.377339	0.124181	0.23443	0	0	0	0	0.057443	0.164915	0.011489	0.069664
PRSS22	1	0	0	0	0	0	0	0.343769	0.912228	0.30412	0.293376	0	0.370699	#DIV/0!
PRSS23	1	1.110585	1.195308	2.220505	1.730097	1.386614	2.428512	1.750564	0.875896	0.889501	1.447461	1.528622	1.478387	0.967137
PRSS27	1	0	0	0.06429	0.035263	0	0	0	0	0.07609	0.244672	0.01991	0.064152	3.222045
PRSS33	1	0.063772	0.096024	0.139276	0.076392	0.346113	0	0	0	0	0.053005	0.144315	0.010601	0.073457
PRSS35	1	0.357245	0.025615	0.061921	0.129062	0.092328	0.919952	0.385589	0.234484	0.234518	0.160248	0.133234	0.386958	2.904343
PRSS36	1	0	0.026929	0	0.022852	0.025884	0.124792	0.31416	0.024651	0.098619	0.776935	0.015133	0.267831	17.6986
PRSS37	1	0	0.504439	0	0.024322	0	3.825204	0.388298	0.209895	0	0.033751	0.105752	0.89143	8.42943
PRSS38	1	0.028052	0.01584	0.061265	0.134414	0.076124	0.146806	0	0	0	0.326424	0.063139	0.094646	1.499011
PRSS42	1	0.121223	0.234682	0.075642	0.165957	0.39945	0	0	0	0	0	0.199391	0	0
PRSS45	1	0.02352	0.008854	0	0.009392	0.021275	0.082059	0.049979	0.081049	0.060795	0.045615	0.012608	0.0639	5.068096
PRSS46P	0.297111	0	0.065722	0	0	0	0	0	0.107433	0	0.262586	0.013144	0.074004	5.630077
PRSS48	1	0.010629	0.012003	0.023213	0	0	0	0	0	0	0	0.009169	0	0
PRSS50	1	0	0.011724	0	0	0	0	0.066183	0.053663	0	0.138066	0.002345	0.051582	21.99794
PRSS53	1	0.512206	0.665662	2.192885	1.572877	0.86045	0.765869	0.803351	1.891095	1.008731	0.486547	1.160816	0.991119	0.853812
PRSS54	1	0.16364	0.099508	0.054982	0.075394	0.136636	0	0.080245	0.227726	0	0.439425	0.106032	0.149479	1.409755
PRSS55	1.61E-13	0.068921	0.019458	0	0.165119	0.327299	9.107281	5.345532	17.72309	61.10457	107.3513	0.116159	40.12635	345.4421
PRSS56	1	0.035023	0.029663	0.076488	0.083907	0.16632	0.045821	0	0.045257	0.362109	0	0.07828	0.090637	1.157859
PRSS57	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PRSS58	1	0	0.228262	0	0	0	0	0	0	0	0	0.045652	0	0
PRSS8	1	0	0	0.120637	0.075622	0.192725	0	0	0.101971	0.081589	0.026235	0.077797	0.041959	0.53934
PRTFDC1	0.015873	2.184029	2.116942	2.046973	2.690379	5.182895	27.11671	25.591	30.8962	16.0903	18.90256	2.844244	23.71935	8.339424
PRTG	1	0.125217	0.092309	0.110148	0.147914	0.009439	0.409565	0.269776	0.161809	0.161832	0.080948	0.097005	0.216786	2.234787
PRTN3	1	0	0	0	0	0.114916	0.332423	0.044993	0	0	0	0.022983	0.075483	3.284284
PRUNE1	1	5.092258	4.723119	3.912819	3.527294	7.024385	9.139491	10.4605	11.49549	4.908571	12.2137	4.855975	9.643549	1.985914
PRUNE2	1	9.406055	9.544127	5.329671	2.837795	4.007315	4.864127	11.58795	23.99426	9.340786	7.621469	6.224993	11.48172	1.844455
PRX	1	0.283935	0.232355	1.087428	1.1929	0.201002	0.947547	0.034977	0.23397	0.82965	1.963226	0.599524	0.801874	1.337518
PSAP	1	294.5674	243.9584	350.3858	394.3394	98.51225	276.4381	659.8511	434.14	521.2066	767.5281	276.3527	531.8328	1.924471
PSAPL1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PSAT1	1	33.69191	24.8056	21.66748	23.38859	55.31997	40.5481	61.61207	35.27492	43.55455	50.53292	31.77471	46.30451	1.457276
PSCA	1	0	0	0.737856	0.82051	0	0.193763	0.098345	0.131572	0	0.038467	0.311673	0.09243	0.296559
PSD	1	29.19142	26.16194	20.80942	33.29489	57.29961	123.6228	33.93271	12.86369	9.72994	23.65492	33.35146	40.76082	1.22216
PSD2	1	12.25662	11.10218	32.40047	42.47391	21.37341	11.27541	17.98722	36.09245	17.40803	25.88332	23.92132	21.72929	0.908365
PSD3	1	25.73009	22.97991	25.61534	34.46099	14.00732	11.28096	11.93152	9.619694	6.989403	9.485893	24.55873	9.861494	0.401547
PSD4	1	0.035053	0.164591	0.116845	0.112709	0.040051	0.830318	0.599802	0	0.038149	0.410952	0.09385	0.375844	4.004745
PSEN1	1	13.49528	15.04482	28.25805	43.49171	30.36435	10.64393	16.03956	14.84263	13.2948	6.607807	26.13084	12.28574	0.470163

PSEN2	1	14.41476	11.36644	18.73162	18.65814	13.57887	15.06175	15.46299	13.27033	7.058811	18.91962	15.34996	13.9547	0.909103
PSENEN	1	13.94788	12.59156	12.73092	18.66328	83.17786	86.08389	22.52168	21.52989	16.65659	28.01351	28.2223	34.96111	1.238776
PSIP1	1	53.77271	54.0754	20.10985	20.19667	43.39698	28.32597	42.72463	76.14796	39.30084	38.35939	38.31032	44.97176	1.173881
PSKH1	1	2.481957	2.00832	4.041174	4.990596	4.044136	3.479168	2.472203	3.966094	2.377139	3.343036	3.513237	3.127528	0.890213
PSKH2	0.01423	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PSMA1	1	29.22194	27.55561	19.85024	22.88774	19.58157	51.06124	64.17192	55.94723	36.37731	38.36849	23.81942	49.18524	2.064922
PSMA2	1	13.72298	12.47175	7.849405	8.610734	16.88198	26.88002	29.02178	17.02381	21.35042	20.16162	11.90737	22.88753	1.922131
PSMA3	1	53.33689	54.53835	34.84878	34.28996	108.7731	173.7697	103.2218	91.18493	108.7704	78.60353	57.15741	111.1101	1.943931
PSMA4	1	22.96918	21.3032	17.42303	20.1482	32.29295	54.44898	67.5971	62.54115	49.14662	54.53846	22.82731	57.65446	2.525679
PSMA5	1	40.48538	38.94213	19.19751	23.12372	74.45113	61.60639	78.82942	53.09169	32.43018	44.35184	39.23997	54.0619	1.377725
PSMA6	1	41.93447	42.57008	29.674	33.21442	110.4775	87.06378	69.95545	60.27213	53.09223	63.55419	51.57409	66.78755	1.294983
PSMA7	1	46.94509	45.35688	31.32919	36.56483	97.57065	76.33759	66.40327	44.45959	41.30566	67.47415	51.55333	59.19605	1.148249
PSMA8	1	0.013639	0.077013	0	0	0	0.571018	0.057964	0.070498	0	0.226725	0.01813	0.185241	10.21717
PSMB1	1	65.55432	65.02936	36.56137	42.87878	134.5753	123.9312	82.98986	61.42001	60.34171	114.497	68.91983	88.63596	1.286073
PSMB10	1	5.285104	3.002205	6.764354	9.462207	20.86585	9.818665	4.216535	3.599677	7.167524	5.941649	9.075943	6.14881	0.677484
PSMB11	1	0	0	0	0	0.086823	0	0	0	0	0	0.017365	0	0
PSMB2	1	26.17658	24.13388	23.59098	25.93501	102.7533	114.8914	86.31126	51.19113	35.82091	56.23494	40.51795	68.88994	1.700233
PSMB3	1	30.13968	25.37194	24.69764	28.62499	113.9741	130.3051	72.09092	56.6386	45.88783	87.4496	44.56167	78.4744	1.761029
PSMB4	1	71.36735	56.53548	46.04456	54.13915	219.2597	149.1207	100.5435	81.36659	77.98548	154.5227	89.46924	112.7078	1.259738
PSMB5	1	30.14283	31.03052	23.31381	29.73883	109.0512	154.0804	90.99821	61.99528	46.87611	108.1855	44.65544	92.42711	2.069784
PSMB6	1	48.287	40.93776	33.44754	37.47713	177.2341	145.5915	92.05809	82.97476	64.0409	100.9787	67.47671	97.12878	1.439442
PSMB7	1	69.72377	77.64895	45.66498	52.17154	157.0133	142.5309	135.0521	79.30099	64.18355	108.7625	80.4445	105.966	1.317256
PSMB8	1	1.992827	1.309388	1.767279	0.925942	4.555726	5.246161	1.129242	1.40464	2.747251	2.088032	2.110232	2.523065	1.195634
PSMB9	1	1.067291	0.427686	0.451146	0.288694	2.288993	4.594511	0.731593	0.355917	1.512865	2.689907	0.904762	1.976959	2.185059
PSMC1	1	60.42343	55.10505	48.53644	56.24375	70.84783	60.0033	86.93631	51.2946	51.48186	69.05036	58.2313	63.75329	1.094829
PSMC2	1	92.82189	92.76148	59.13242	67.21128	61.08738	51.4639	95.33679	74.55994	59.67012	79.09089	74.60289	72.02433	0.965436
PSMC3	1	96.90597	86.19875	83.61301	101.6864	130.913	164.2104	91.29244	73.77295	60.1362	128.1066	99.86343	103.5037	1.036453
PSMC3IP	1	2.107761	1.477432	1.523841	1.375621	3.274076	4.031877	1.853332	2.141388	4.583987	5.58192	1.951746	3.638501	1.864228
PSMC4	1	32.72106	26.78055	21.11494	22.84605	71.02817	48.0358	52.83651	47.13666	43.0753	81.78784	34.89815	54.57442	1.56382
PSMC5	1	54.20034	53.04759	68.12204	69.03225	81.07913	188.7998	103.0335	122.0651	82.84059	191.1429	65.09627	137.5764	2.113429
PSMC6	1	22.1612	21.5564	17.63021	20.85514	31.49639	39.58676	56.15811	42.48994	54.50258	41.14214	22.73987	46.77591	2.057
PSMD1	1	60.08844	57.02252	41.74668	46.56203	45.36663	49.58055	69.70198	42.01474	50.10923	44.87109	50.15726	51.25552	1.021896
PSMD10	1	17.44191	18.15861	13.76202	15.32194	8.39857	12.90817	11.58068	8.560193	12.87252	11.59771	14.61661	11.50385	0.78704
PSMD11	1	22.73207	22.46663	21.19965	24.78125	34.49674	31.15008	35.81089	37.21694	32.539	29.0186	25.13527	33.1471	1.318749
PSMD12	1	46.27021	42.39502	27.70346	28.12816	26.42215	26.13652	45.25927	34.35631	47.18917	26.5458	34.1838	35.89741	1.050129
PSMD13	1	31.8925	30.70746	25.73098	30.5463	32.66833	48.96011	61.1516	44.70933	18.69442	41.65264	30.30911	43.03362	1.419824
PSMD14	1	15.97298	19.7281	13.21956	12.39516	20.27532	23.64367	40.38328	32.69355	26.01801	26.63317	16.31822	29.87434	1.830735
PSMD2	1	57.1745	47.72286	51.63773	57.69632	36.18785	68.21452	94.57005	75.32917	64.96949	97.13862	50.08385	80.04437	1.598207
PSMD3	1	27.93258	24.0153	28.48382	34.42414	50.05333	45.76523	44.94395	36.15221	30.16932	73.12615	32.98184	46.03137	1.395658
PSMD4	1	42.1066	40.13928	49.16166	52.79307	91.84606	72.19336	52.26441	38.96868	53.9007	70.17298	55.20933	57.50003	1.041491
PSMD5	1	22.12667	20.71851	15.85037	15.98315	20.32571	9.204441	17.93516	14.65548	17.61004	15.50923	19.00088	14.98287	0.788536
PSMD6	1	23.50068	20.62241	18.46826	20.98308	37.96655	53.29672	57.01204	43.34668	38.41496	61.78635	24.3082	50.77135	2.088651
PSMD7	1	47.90801	44.06623	47.05935	55.98262	30.8066	69.94138	75.14899	59.76256	48.19843	56.58641	45.16456	61.92755	1.371154
PSMD8	1	40.13382	40.47315	35.47892	44.18114	110.9512	82.34987	56.20179	49.98046	40.32888	81.35778	54.24365	62.04375	1.143797
PSMD9	1	9.3449	6.953213	10.42326	10.97599	16.70826	33.07994	17.22527	25.79912	26.46207	43.12067	10.88112	29.13741	2.677794
PSME1	1	22.52956	10.92218	10.56119	12.03459	36.21475	191.178	32.42062	20.68441	99.80346	197.7895	18.45245	108.3752	5.873214

PSME2	1	9.265234	5.486154	5.605617	7.034219	18.4154	24.17848	14.52667	14.91738	11.32721	14.02823	9.161325	15.79559	1.72416
PSME3	1	23.12642	20.10518	18.6152	21.29373	28.41223	27.66899	21.3826	16.42505	15.72541	15.41064	22.31055	19.32254	0.866072
PSME4	1	5.55693	6.863705	7.568386	6.615227	5.66119	9.610298	15.71038	14.16926	15.01624	9.056344	6.453087	12.7125	1.969988
PSMF1	1	5.93982	6.495717	7.107632	8.432426	11.62047	23.30654	21.86216	16.29361	10.34031	15.63301	7.919213	17.48713	2.20819
PSMG1	1	25.43092	28.38918	13.04714	16.28224	59.64111	58.60859	40.06371	28.99067	28.90044	24.6906	28.55812	36.2508	1.269369
PSMG2	1	9.756052	10.03968	6.093671	5.970136	22.81943	25.78007	27.51882	28.29732	27.95327	21.7517	10.93579	26.26024	2.401311
PSMG3	1	11.93322	9.269648	7.063447	7.775264	43.09641	20.07753	9.479436	7.378716	6.111388	5.487617	15.8276	9.706937	0.613292
PSMG4	1	8.851187	13.56559	20.87385	24.54678	53.28632	10.50984	13.11841	7.496976	4.037421	32.88928	24.22474	13.61039	0.561838
PSORS1C2	1	0	0	0	0	0	0	0	0	0	0.153604	0	0.030721	#DIV/0!
PSPC1	1	16.73692	16.27323	11.36587	10.82027	19.94659	18.30787	22.3848	21.82082	13.8178	23.94106	15.02858	20.05447	1.334423
PSPH	1	5.806386	4.330449	2.664658	3.458142	6.060239	6.613245	5.13902	5.630872	6.476445	4.328075	4.463975	5.637531	1.262895
PSPN	1	0.012132	0.137011	0.225221	0.210732	0.460925	0	0.090232	0.109744	0.03136	0.040336	0.209204	0.054334	0.259719
PSRC1	1	4.203803	5.142995	2.847792	3.648558	16.10815	5.296267	5.41762	2.892168	1.760706	1.747031	6.39026	3.422758	0.535621
PSTK	1	1.538927	1.85603	0.228414	0.662218	2.959789	4.69148	3.428886	3.08914	7.878454	3.12946	1.449075	4.443484	3.066427
PSTPIP1	1	0.2282	0.137444	0.315641	0.619615	1.444941	1.433096	0.404095	0.452157	0.275266	0.252897	0.549168	0.563502	1.026101
PSTPIP2	0.003761	1.73756	0.633232	0.52915	0.572181	0.864134	9.31059	10.53241	15.83348	6.01223	4.050671	0.867252	9.147877	10.54812
PTAFR	1	0.030538	0.011496	0.133388	0.048775	0	0.079908	0.021631	0	0.052623	0.042304	0.044839	0.039293	0.87631
PTAR1	1	3.479841	4.407295	4.640266	3.888745	1.545853	1.462817	2.608934	2.770733	3.127817	2.138	3.5924	2.42166	0.674106
PTBP1	1	8.289977	7.542055	14.91624	14.71763	11.98921	26.60216	13.21471	20.15317	16.52185	19.24625	11.49102	19.14763	1.666312
PTBP2	1	12.95413	14.68058	10.3678	10.78135	10.12067	14.25971	22.02011	31.84053	39.46817	31.11199	11.7809	27.7401	2.354667
PTBP3	1	2.629964	2.795149	3.749466	2.90734	1.695457	3.674915	4.7148	6.852196	7.136155	2.849488	2.755475	5.045511	1.831086
PTCD1	1	2.593757	2.973229	4.366906	4.115016	3.260356	1.566228	3.198204	4.965909	3.901552	5.285064	3.461853	3.783391	1.092881
PTCD2	1	4.250438	3.20003	2.81082	2.71421	4.006185	6.735441	11.12334	12.74597	6.122312	7.407243	3.396337	8.826861	2.598936
PTCD3	1	11.56575	14.21254	9.156635	7.877565	15.56619	21.15264	20.42713	31.9691	22.34266	16.54092	11.67573	22.48649	1.925916
PTCH1	1	5.534791	5.311941	11.15937	8.203593	3.876027	3.303655	3.495826	14.62845	12.43847	7.0595	6.817144	8.18518	1.200676
PTCH2	1	0.678554	0.53215	1.819489	1.476652	1.074135	1.085058	0.945242	5.689735	10.44569	5.063395	1.116196	4.645824	4.162194
PTCHD1	1	1.070376	0.652106	5.198218	0.767631	0.076438	0.589645	1.227031	4.094892	2.548303	1.814441	1.552954	2.054862	1.323196
PTCHD3	1	0	0	0	0	0	0.0612	0.124248	0.060446	0.060455	0.291595	0	0.119589	#DIV/0!
PTCHD4	1	0.210411	0.498232	0.429882	0.260181	0.110513	0	0.115384	0.175418	0	0	0.301844	0.05816	0.192684
PTCRA	1	0.01128	0.012738	0.098539	0.175656	0.061219	0	0.119845	0	0	0.093754	0.071886	0.04272	0.594268
PTDSS1	1	42.67326	31.71346	34.42021	36.4877	44.61814	10.82165	30.51143	17.13345	9.809129	12.71977	37.98255	16.19909	0.426488
PTDSS2	1	4.751442	5.313735	7.946436	9.311216	7.949121	8.328853	8.417896	12.75672	8.942925	8.262732	7.05439	9.341825	1.324257
PTEN	1	17.96688	20.61184	15.03189	14.03588	14.31515	23.27589	25.45087	35.28451	50.59079	25.97665	16.39233	32.11574	1.959193
PTER	1	2.49143	0.97694	1.492547	1.481871	1.150296	0	0.091913	0.044715	6.663502	3.623889	1.518617	2.084804	1.372831
PTF1A	1	0.013649	0.046241	0	0.0654	0.111116	0	0	0.176374	0	0.045378	0.047281	0.04435	0.938014
PTGDR	1	0.78279	0	0.013253	0.014538	0.016467	0	0.11605	0.031366	0.09411	0.050436	0.165409	0.058392	0.353018
PTGDR2	1	0.138983	0.266141	0.079183	0.224396	0.409951	0	0	0	0.031239	0.04018	0.223731	0.014284	0.063844
PTGDS	1	273.8986	293.1676	394.2569	432.6204	716.8418	259.4385	323.9334	186.8083	104.5023	84.1697	422.1571	191.7705	0.454263
PTGER1	1	0.611325	0.925727	0.409636	0.320382	0.499566	0.036355	0	0.008977	0.053869	0.248283	0.553327	0.069497	0.125598
PTGER2	1	0	0.050902	0.04922	0	0	0.707663	0.367158	0.213568	0	0	0.020025	0.257678	12.86812
PTGER3	1	0.202777	0.240801	1.200734	0.388147	0.204224	1.170598	3.229455	0.216109	1.523791	1.191951	0.447336	1.466381	3.278027
PTGER4	1	1.229927	0.934171	1.319286	1.284268	0.531656	0.170884	0.138772	0.225039	0.478278	0.180934	1.059861	0.238781	0.225295
PTGES	1	1.867105	1.240313	2.398638	3.552237	3.099634	4.368289	4.014181	0.908316	0.56778	0.328633	2.431585	2.03744	0.837906
PTGES2	1	9.007678	8.501033	11.11798	13.67885	22.74735	16.75945	15.77901	19.94943	15.76399	17.26437	13.01058	17.10325	1.314565
PTGES3	1	93.01779	92.50295	87.19694	102.9175	156.2586	130.8657	131.8396	113.4856	179.149	110.8075	106.3788	133.2295	1.252407
PTGFR	1	0.781044	0.04046	0.187791	0.300424	0	0.168748	0.319755	0.129633	0.944603	0.327567	0.261944	0.378061	1.44329

PTGFRN	1	3.027202	2.893755	2.738009	3.296605	2.846148	5.344789	5.347547	3.80908	1.628184	1.789233	2.960344	3.583767	1.210591
PTGIR	1	0.017788	0.020088	0.110069	0.085231	0.04827	0.03103	0	0	0.015326	0.068995	0.056289	0.02307	0.40985
PTGIS	1	1.587794	0.62487	3.134923	2.555224	1.283921	6.966507	2.709411	1.699456	2.777564	3.625903	1.837347	3.555768	1.935273
PTGR1	1	20.92387	24.3353	10.82295	22.60446	39.29404	0.233645	0.505971	1.038454	7.84724	2.078041	23.59612	2.34067	0.099197
PTGR2	1	10.50124	8.317189	8.74561	7.603529	8.66306	18.90501	19.69635	22.99047	25.47898	12.28942	8.766125	19.87205	2.266913
PTGS1	1	2.932174	2.424078	1.572852	2.700148	4.37823	3.915797	6.290347	4.302682	2.272533	0.839584	2.801496	3.524189	1.257966
PTGS2	1	5.436712	2.802383	1.598817	2.940344	2.015818	0.197193	0.423219	0.208676	2.365343	1.476444	2.958815	0.934175	0.315726
PTH	0.007906	0	0	0	0.093935	0	9.438787	31.74344	2.533305	0	0.130355	0.018787	8.769178	466.767
PTH1R	1	0.855884	0.472995	1.087062	1.47608	1.284835	7.814635	1.251169	1.788412	1.380729	3.006977	1.035371	3.048384	2.944243
PTH2	1	0	0	0.079451	0.021789	0	0	0	0	0	0.136068	0.020248	0.027214	1.344008
PTH2R	1	0.658978	0.500402	1.439183	0.530794	0.369983	0.118919	0.072429	0.352364	9.573943	0.302191	0.699868	2.083969	2.97766
PTHLH	1	0.86274	0.92834	0.311069	0.467987	0.784079	0.553727	0.328607	0.168279	0.84152	1.129741	0.670843	0.604375	0.900918
PTI	1	2.110451	0.144445	0.186228	0.153218	0	0	0	0	0	0.141748	0.518868	0.02835	0.054638
PTK2	1	35.45294	36.86188	32.40157	41.67635	52.96245	46.67635	49.20457	28.24444	35.7195	25.98925	39.87104	37.16682	0.932176
PTK2B	1	60.27885	58.8964	33.984	68.81588	88.95026	21.96992	67.87041	73.45224	8.587949	6.896987	62.18508	35.7555	0.574985
PTK6	1	0.041643	0	0.181892	0.066511	0.075336	0.145287	0.029496	0	1.793983	4.84569	0.073077	1.362891	18.65017
PTK7	1	2.424599	1.807449	2.89864	1.828896	2.9661	1.679723	1.124441	3.587113	9.058777	6.748731	2.385137	4.439757	1.861426
PTMA_1	1	4.265917	2.735374	6.632153	7.318725	0.343365	0.283792	0.192052	0.186865	1.495135	0.600964	4.259107	0.551762	0.129549
PTMA_2	1	161.9421	148.7607	82.87478	84.35327	235.9331	439.3011	272.7514	245.3931	152.6417	243.3566	142.7728	270.6888	1.895941
PTMS	1	296.6347	136.6849	123.8429	138.7613	281.7859	173.6761	90.12889	126.1596	96.89282	292.5732	195.5419	155.8861	0.7972
PTN	1	70.87599	54.12086	34.12495	37.1732	96.62634	75.54346	115.688	45.51859	107.5897	41.8567	58.58426	77.23929	1.318431
PTOV1	1	25.61783	19.34936	38.37715	49.79258	54.1806	50.91055	27.54563	34.51259	39.26493	99.17549	37.4635	50.28184	1.342155
PTP4A1	1	36.59058	42.38646	27.5888	27.14242	41.7604	44.21024	31.92674	30.96843	49.39426	38.61557	35.09373	39.02305	1.111966
PTP4A2	1	58.9289	58.24263	44.71795	44.63734	68.84744	59.31082	52.44571	28.70335	35.4795	25.90023	55.07485	40.36792	0.732965
PTP4A3	1	1.271828	1.540469	0.964252	1.689286	1.520013	0.724216	0.61613	0.221402	1.533006	2.015613	1.39717	1.022073	0.731531
PTPA	1	25.04117	27.85842	30.08849	32.79682	37.20792	56.15825	45.38788	31.47143	30.62632	37.21882	30.59857	40.17254	1.31289
PTPDC1	1	3.743888	5.35546	1.66046	2.189493	2.948913	2.572209	4.626472	3.106201	0.893287	0.293626	3.179643	2.298359	0.722836
PTPMT1	1	6.247672	4.81059	5.457868	5.692412	15.41284	15.85266	13.75875	10.22628	10.17883	14.3197	7.524277	12.86724	1.710097
PTPN1	1	5.791514	7.080465	9.67442	10.51081	8.061598	3.414788	3.005619	5.111481	3.24752	3.604391	8.223761	3.67676	0.44709
PTPN11	1	46.75332	54.56106	50.73963	55.79292	40.08792	28.98315	37.70429	24.0081	33.05944	33.72258	49.58697	31.49551	0.635157
PTPN12	1	5.175799	5.093411	5.546675	5.355549	4.123316	13.7954	20.63812	23.36937	13.69542	11.10064	5.05895	16.51979	3.265458
PTPN13_1	1	2.598502	1.891637	3.855456	3.346534	0.727283	3.948535	5.150273	3.696636	5.858252	1.075052	2.483882	3.94575	1.588541
PTPN13_2	1	5.980158	2.917161	3.400349	3.602991	2.064532	8.935137	5.507851	3.703804	5.57938	2.058791	3.593038	5.156992	1.435273
PTPN14	0.646855	2.958712	2.342115	3.261904	3.013291	1.756479	1.032844	0.742796	0.190193	0.492844	0.236326	2.6665	0.539001	0.202138
PTPN18	0.000224	4.649612	5.195151	2.659786	3.7801	11.29288	0.567683	0.052387	0.331318	0.178428	0.491784	5.515505	0.32432	0.058801
PTPN2	1	4.641672	5.148409	5.347694	4.921693	3.276141	6.47091	5.979023	20.80924	21.79374	10.9327	4.667122	13.19712	2.827679
PTPN20	1	0.076229	0.129129	0.218506	0.279649	0.051715	0	0	0	0	0.055439	0.151046	0.011088	0.073407
PTPN21	1	4.474162	3.263463	7.383373	7.023577	4.564381	2.291843	1.712986	2.191532	8.334803	1.61827	5.341791	3.229887	0.604645
PTPN22	1	0.049095	0.01706	0.049487	0.058811	0.040993	1.146314	0.553726	0.59538	0.937128	0.4834	0.043089	0.74319	17.24763
PTPN23	1	5.431343	5.063965	14.08545	16.82001	3.205778	5.699652	6.098586	10.03036	11.07718	11.93015	8.921308	8.967185	1.005142
PTPN3	1	5.658124	4.862884	14.05684	15.53593	2.605296	3.90946	6.168544	8.596209	9.045321	3.98042	8.543816	6.339991	0.742056
PTPN4	1	6.037005	10.40487	13.80284	8.578269	6.382366	2.739033	6.613516	7.67354	8.457437	5.589575	9.041069	6.21462	0.687377
PTPN5	1	32.08018	28.65078	12.79892	28.74757	46.83746	12.1957	24.77201	1.898802	1.24627	1.669779	29.82298	8.356511	0.280204
PTPN6	1	2.92295	2.657437	4.040259	3.705262	1.887598	8.287357	2.311481	3.174676	1.644951	4.735908	3.042701	4.030874	1.324768
PTPN7	1	0.045411	0.073262	0.113345	0.13211	0	0.203703	0.124068	0.050299	0.167686	0.161762	0.072826	0.141503	1.943045
PTPN9	1	7.058141	5.936315	6.029902	7.079377	14.14005	12.20569	17.43825	8.771154	6.938795	6.990585	8.048758	10.46889	1.300684

PTPRA	1	52.11138	50.99348	37.39214	35.37862	46.20244	66.23656	81.63087	70.13498	59.12589	56.12036	44.41561	66.64973	1.500592
PTPRB	1	3.466037	3.323171	5.434979	3.879976	2.704485	12.22891	4.370222	2.164193	3.582108	1.757187	3.76173	4.820524	1.281465
PTPRC	1	2.290531	2.445314	2.436875	2.412967	0.679535	1.96573	1.079875	0.428278	1.827583	0.146918	2.053044	1.089677	0.530761
PTPRCAP	1.07E-07	0.412314	0.977819	4.952621	5.605854	1.286716	0	0	0	0	0.137081	2.647065	0.027416	0.010357
PTPRD	1	21.77391	32.65366	31.62443	28.30766	20.85432	25.39326	37.88441	44.32513	41.16892	26.22881	27.04279	35.00011	1.294249
PTPRE	1	7.595897	5.932582	7.269153	6.821306	6.937425	4.791904	7.775752	3.35103	3.213311	6.810646	6.911273	5.188529	0.750734
PTPRF	1	7.415647	5.787565	13.07976	15.25449	5.527827	4.685082	5.666325	10.91272	2.635769	4.814722	9.413057	5.742925	0.610102
PTPRG	1	11.84055	9.001957	8.889536	8.802549	6.199474	6.601948	9.817942	6.260847	10.8014	2.975214	8.946813	7.291471	0.81498
PTPRH	1	0.136281	0.216198	0.807862	0.345936	1.179912	0.016981	0.11032	0.511545	0	0.226545	0.537238	0.173078	0.322164
PTPRJ	1	8.05348	7.810929	5.488076	5.771962	5.144182	10.12486	12.07932	5.655844	2.497258	4.882955	6.453726	7.048049	1.09209
PTPRK	1	14.54546	14.47701	11.53714	17.18762	9.596308	15.97118	35.72279	3.666225	3.104372	3.689121	13.46871	12.43074	0.922935
PTPRM	1	9.780729	7.915895	10.9953	8.884842	3.938718	8.727828	5.995257	5.841426	9.869475	6.03974	8.303096	7.294745	0.878557
PTPRN	1	40.67351	42.63241	46.12514	61.89489	63.98813	23.60196	41.21525	28.47352	20.59739	77.03227	51.06282	38.18408	0.747786
PTPRN2	0.693342	22.27768	21.76643	27.87155	39.07636	25.60671	8.74398	8.098342	4.20506	8.10286	19.40923	27.31975	9.711894	0.35549
PTPRO	1	13.52582	12.06007	6.518363	8.08885	6.254769	9.42597	21.33631	28.06347	12.82527	1.990331	9.289575	14.72827	1.585462
PTPRQ	1	0.06781	0.017672	0	0.012497	0	0.573258	1.407685	0.249397	0.013483	0.017342	0.019596	0.452233	23.07799
PTPRR	1	8.759644	8.986723	4.975102	4.062644	4.920485	9.863399	18.64636	19.31228	16.29175	21.44736	6.340919	17.11223	2.698699
PTPRS	1	27.24859	27.14944	41.56062	52.7577	16.95008	25.78049	42.55452	10.20195	15.759	16.10892	33.13329	22.08098	0.666429
PTPRT	1	16.04822	11.57298	9.397639	12.44514	6.290928	8.00219	10.39212	1.760471	1.961836	3.650438	11.15098	5.15341	0.462149
PTPRU	1	4.239977	3.232625	5.180285	9.55037	6.354687	4.764873	4.062235	0.590446	1.250538	2.021766	5.711589	2.537972	0.444355
PTPRZ1	1	51.57436	42.83713	64.88993	58.38985	15.24395	40.63456	85.42584	49.76332	69.83463	31.20861	46.58704	55.37339	1.188601
PTRH1	1	0.693236	0.424307	0.277374	0.405703	0.990869	1.107766	0.056225	0.164119	0.109428	0.175937	0.558298	0.322695	0.577998
PTRH2	1	6.707457	9.355865	3.404862	4.929472	18.79216	17.64603	14.36857	8.761224	6.27901	9.643271	8.637964	11.33962	1.312766
PTRHD1	1	6.278028	5.077028	3.369645	4.429395	14.72647	20.8824	12.83175	10.65639	14.16474	16.05226	6.776113	14.91751	2.201484
PTS	4.99E-09	9.418896	8.210592	4.692063	5.880029	22.54821	3.350676	1.90472	2.169507	2.500812	2.270552	10.14996	2.439253	0.240322
PTTG1_1	1	0.275453	0.33935	0.382823	0.26997	0.679535	0.262097	0	0	0	0	0.389426	0.052419	0.134607
PTTG1_2	1	0	0	0	0	0	0	0	0.076438	0	0	0	0.015288	#DIV/0!
PTTG1IP	0.003916	20.28302	18.50078	25.57427	28.29337	35.49317	6.775384	4.373526	4.439854	8.194546	7.256636	25.62892	6.207989	0.242226
PTX3	1	0.611423	0.471831	0.133532	0.195312	0.387147	0.106659	0.216541	0.105346	0	0.03388	0.359849	0.092485	0.257011
PTX4	1	0	0	0	0.018509	0	0	0	0	0	0	0.003702	0	0
PUDP	1	2.205565	2.32743	2.222302	2.085164	4.681616	2.757212	3.040328	3.070343	2.803764	4.018427	2.704415	3.138015	1.16033
PUF60	1	14.23489	14.6657	17.77391	20.30879	17.55137	20.01921	18.03613	22.31248	18.32675	31.52261	16.90693	22.04344	1.303811
PUM1	1	26.57798	26.74965	19.06731	19.59732	18.74402	31.52619	32.75873	38.69685	39.00626	31.06938	22.14726	34.61148	1.562789
PUM2	1	19.66052	21.16743	16.39171	14.90596	13.92706	37.0069	34.38582	42.10918	39.096	30.26583	17.21054	36.57274	2.12502
PUM3	1	9.868619	8.668091	4.753473	5.471297	7.360636	5.954143	6.814915	5.092454	11.76336	8.360077	7.224423	7.59699	1.05157
PURA	1	11.80056	11.2734	17.64112	11.21359	4.845451	4.513318	5.884955	9.914814	13.91939	12.34737	11.35482	9.315968	0.820442
PURB	1	4.149474	9.793114	11.74157	7.347887	1.925676	7.458822	6.836698	13.11757	22.41503	17.56442	6.991545	13.47851	1.92783
PURG	1	3.759617	3.81179	2.379959	2.53522	4.933867	4.997619	4.38755	3.653885	4.121411	2.254864	3.484091	3.883066	1.114513
PUS1	1	4.650074	5.424701	7.532876	9.150426	14.01541	3.071453	2.628584	3.453674	5.788079	10.07148	8.154698	5.002654	0.613469
PUS10	1	4.548867	4.843236	3.125263	2.540124	6.519207	2.904796	3.022388	7.374297	8.65317	4.382779	4.315339	5.267486	1.220642
PUS3	1	10.30149	10.48398	1.511727	2.194878	21.43574	3.942114	3.655568	6.997907	1.947069	1.827517	9.185563	3.674035	0.399979
PUS7	1	3.810328	3.874947	4.021035	3.626727	3.286349	5.255687	7.835232	5.827119	5.217175	6.80868	3.723877	6.188779	1.661918
PUS7L	1	1.138116	0.956178	0.756861	0.86801	0.480904	1.813632	1.606714	1.93379	1.526898	1.905021	0.840014	1.757211	2.091884
PUSL1	1	0.859731	0.601684	0.925587	1.087887	3.055936	3.738816	1.569577	0.469421	1.439767	6.863991	1.306165	2.816314	2.156171
PVALB	1	26.83646	43.67712	32.85393	16.35171	166.7549	12.75659	20.02821	318.6476	156.0166	255.0863	57.29482	152.5071	2.661795
PVALEF	1	0.025976	0	0.056731	0.280052	0	0	0.055198	0.402806	0	0.453404	0.072552	0.182282	2.512431

PVR	0.009647	10.24627	11.07622	9.636533	11.13878	16.15262	0.371945	0.830639	0.795958	1.469674	2.441685	11.65009	1.18198	0.101457
PVRIG	1	0.048002	0.027105	0	0	0.195393	0	0	0	0	0	0.0541	0	0
PWP1	1	22.94996	24.92156	16.61242	15.81068	27.65824	18.61884	27.30128	22.04159	24.9202	19.0919	21.59057	22.39476	1.037247
PWP2	1	2.974612	2.665103	3.70385	4.433932	3.640367	4.531604	5.396122	5.484598	5.636158	5.451955	3.483573	5.300088	1.521452
PWWP2A	1	3.630691	3.520722	4.40313	4.071931	3.617125	3.18136	3.146455	6.464542	8.995454	8.710104	3.84872	6.099583	1.584834
PWWP2B_1	5.67E-07	0.374936	0.76985	1.191048	2.531479	0.184991	0	0	0	0	0	1.010461	0	0
PWWP2B_2	1	0.186384	0.606689	1.14933	1.996276	0.59504	0.401638	0.163082	0.170011	0.283393	0.328057	0.906744	0.269236	0.296926
PXDC1	1	1.398576	1.312765	3.946966	3.590027	2.144084	2.566475	1.370164	1.009255	2.769986	1.600256	2.478484	1.863227	0.751761
PXDN	1	0.856682	1.006414	0.809912	1.518659	1.287195	1.098257	0.891877	0.200601	0.698492	0.052567	1.095772	0.588359	0.536935
PXK	1	7.155761	9.114821	16.97378	15.03656	10.89443	12.52456	18.35864	31.17325	28.08475	20.03098	11.83507	22.03444	1.861792
PXMP2	1	7.460898	7.311902	8.943141	13.97105	24.72624	3.253777	1.68563	1.38522	1.662506	1.389935	12.48265	1.875414	0.150242
PXMP4	1	0.471072	0.195994	0.730991	0.430645	0.841009	0.973134	0.632213	1.121343	0.961291	0.432754	0.533942	0.824147	1.543513
PXN	1	2.68782	2.275333	5.759164	6.703109	6.650623	9.436568	4.533208	15.77461	12.51649	12.17985	4.81521	10.88815	2.261199
PXT1	1	0.104242	0.03924	0	0.041623	0	0	0	0	0.089815	0.144404	0.037021	0.046844	1.265328
PXYLP1	1	10.93389	10.57038	4.631113	5.583032	16.85851	6.993629	18.03565	7.706728	2.36945	4.378707	9.715383	7.896833	0.812817
PYCARD	1	1.628828	1.616482	2.371531	3.163249	4.420104	5.941103	2.464778	1.339422	0.893078	0.779477	2.640039	2.283572	0.864977
PYCR1	1	3.963182	4.465654	4.868681	6.262846	9.410425	10.09254	8.53435	7.590511	4.756193	29.08777	5.794158	12.01227	2.07317
PYCR2	1	6.868436	6.315675	8.51585	8.841875	21.74512	9.859852	14.215	5.978663	3.760325	8.444291	10.45739	8.451626	0.808196
PYCR3	1	9.440276	10.19464	18.78248	21.49117	33.38429	0.521611	0.423592	0.147197	3.017972	12.09512	18.65857	3.241099	0.173706
PYGB	1	41.35558	37.40163	48.11242	54.68934	50.46785	14.85184	37.28786	53.68377	40.45432	97.74391	46.40536	48.80434	1.051696
PYGL	1	12.43341	7.280754	5.757208	6.554312	7.480294	10.88451	6.554368	3.433289	3.734245	5.320665	7.901195	5.985416	0.757533
PYGM	1	23.80888	15.15911	28.13602	19.97147	28.308	9.173407	18.18984	9.128572	46.80777	56.59052	23.0767	27.97802	1.212393
PYGO1	1	2.500988	2.711116	4.166451	2.862993	1.986256	1.987842	3.078948	3.286981	4.853966	2.710163	2.845561	3.18358	1.118788
PYGO2	1	6.977136	7.019759	11.74168	13.95149	19.16315	12.17121	9.306403	15.39356	10.55534	16.65942	11.77064	12.81719	1.088911
PYM1	1	8.238935	6.300535	5.986031	5.847796	20.06917	27.3301	11.95874	11.98783	9.474275	21.3526	9.288494	16.42071	1.767855
PYROXD1	1	10.53419	12.27477	6.77778	8.299117	12.65232	18.3763	13.1738	16.32372	17.73839	9.615497	10.10764	15.04554	1.488532
PYROXD2	1	0.272459	0.12732	0.205186	0.416412	0.586392	2.015881	0.519069	2.209589	4.468391	1.218193	0.321554	2.086225	6.487948
PYURF	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PYY	0.024743	1.481043	0.676137	0.89466	0.868192	0.85512	0	0	0	0	0	0.95503	0	0
PYY2	1	0.208676	0.314213	0.303827	0	0.566279	0	0	0	0	0	0.278599	0	0
QARS	1	15.45438	11.9482	17.23744	22.33147	24.38553	53.63646	36.73408	48.1003	34.11498	25.42152	18.2714	39.60147	2.167402
QDPR	1	41.26683	29.88227	40.21063	48.1069	123.5028	45.61445	28.41552	24.36078	31.5562	44.36415	56.59389	34.86222	0.616007
QKI	1	37.26449	43.22409	61.30189	65.50315	37.26687	44.39011	48.65177	34.72391	84.36761	28.40479	48.9121	48.10764	0.983553
QPCT	1	6.269288	6.297798	3.948447	6.270855	4.14946	7.766893	22.28603	9.833153	17.01871	6.309807	5.38717	12.64292	2.346857
QPCTL	1	6.248833	6.532676	6.194743	9.524114	12.82875	4.093397	7.360684	4.776062	5.021149	7.772873	8.265824	5.804833	0.702269
QPRT	1	0.956005	0.243786	0.942913	1.052839	1.506359	0.16139	0.262124	0	0.079713	0	0.94038	0.100645	0.107026
QRFP	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
QRFPR	1	0.068129	0.012823	0.247985	0.299241	0	0	0	0	0	0	0.125636	0	0
QRICH1	1	17.26843	16.4016	16.47119	18.15417	16.01643	12.92542	17.30303	21.57103	18.08597	22.45002	16.86236	18.4671	1.095167
QRICH2	1	0.231598	0.181628	0.604151	0.865684	0.145482	0.078557	0.218726	0.332529	0.92013	0.766421	0.405709	0.463273	1.141886
QRSL1	1	6.314262	7.284082	4.744981	4.141642	6.703701	5.521099	6.203785	5.304638	2.94295	3.872125	5.837733	4.768919	0.816913
QSER1	1	3.97268	5.508227	8.748366	5.897211	2.37699	3.438027	3.841147	8.633389	9.003099	4.066064	5.300695	5.796345	1.093507
QSOX1	1	9.256486	3.278652	10.08999	7.07345	7.848779	3.17607	2.195835	0.975001	1.328456	0.872527	7.509472	1.709578	0.227656
QSOX2	1	5.941695	5.051967	7.036969	9.023788	8.610059	2.036892	4.103909	7.461526	4.584539	4.086785	7.132896	4.45473	0.624533
QTRT1	1	7.169189	5.31736	8.046479	9.703242	21.80095	3.271576	3.900398	2.062526	0.687609	1.768844	10.40744	2.338191	0.224665
QTRT2	1	2.234331	2.670285	1.19433	1.416232	1.950413	2.153254	5.666421	6.730188	2.88094	1.861431	1.893118	3.858447	2.038144

R3HCC1	1	11.28881	10.33113	11.0969	11.08005	18.16034	23.17132	15.22601	14.52941	8.794627	18.14773	12.39145	15.97382	1.2891
R3HCC1L	1	2.026569	1.365239	1.928136	1.922863	1.674335	3.78025	2.14252	2.56692	2.230174	1.159079	1.783429	2.375788	1.332147
R3HDM1	1	34.61371	39.42715	15.47232	22.05664	28.8584	56.21531	68.56689	13.04852	13.27833	12.09547	28.08564	32.6409	1.162192
R3HDM2	1	32.51266	32.43114	29.18818	32.86944	40.15269	88.53594	52.47139	37.1462	31.87699	24.86479	33.43082	46.97906	1.405262
R3HDM4	1	10.41125	9.084809	7.320451	8.541506	35.14362	17.43536	18.04405	8.951594	7.6139	11.02581	14.10033	12.61414	0.894599
R3HDML	1	0.256103	0.257083	0.393595	0.159073	0.694979	0	0	0.049028	0	0	0.352167	0.009806	0.027844
RAB10	1	63.22154	55.96215	38.85509	39.22489	28.38111	46.27278	63.32417	46.93936	48.99289	34.52446	45.12896	48.01073	1.063856
RAB11A	1	88.96312	68.00605	39.13038	39.22024	62.46636	110.6906	107.0058	81.45059	114.2239	74.52753	59.55723	97.57969	1.638419
RAB11B	1	39.70069	43.56756	54.43259	64.97716	44.31135	36.99395	28.10218	28.11166	31.48694	89.80112	49.39787	42.89917	0.868442
RAB11FIP1	1	0.846378	0.058394	0.225856	0.286883	0.088622	1.652113	1.06407	1.04799	0.520554	0.104052	0.301227	0.877756	2.913938
RAB11FIP2	1	14.57014	19.93808	12.75937	11.03538	1.72075	6.52509	14.39792	16.24075	13.51751	6.27718	12.00475	11.39169	0.948932
RAB11FIP3	1	25.16127	23.35523	28.79545	40.10848	28.73096	30.65371	19.17629	14.50737	13.60827	25.8976	29.23028	20.76865	0.710518
RAB11FIP4	1	44.8604	42.85418	32.29083	45.25379	35.81743	42.68199	23.34285	3.938281	6.29256	10.17115	40.21533	17.28537	0.42982
RAB11FIP5	1	5.937937	5.857094	10.76874	12.56584	11.05721	10.58941	8.311528	1.751129	3.375395	2.938723	9.237363	5.393237	0.58385
RAB12	1	62.69082	55.66884	41.88045	49.87837	90.3723	83.42677	100.2451	95.97548	58.24373	83.1749	60.09816	84.2132	1.401261
RAB13	1	16.59804	11.21798	11.16963	12.25299	16.4256	12.69281	4.055825	4.823833	9.321983	12.83161	13.53285	8.745213	0.646221
RAB14	1	61.23125	67.24412	48.54982	49.55982	53.44285	57.67115	85.1254	87.34239	67.26179	53.14372	56.00557	70.10889	1.25182
RAB15	1	40.32825	41.79126	24.12971	27.14953	62.9015	60.5772	33.98058	54.28192	25.76111	25.71689	39.26005	40.06354	1.020466
RAB17	1	0.006553	0.037002	0.114492	0.0157	0.071131	0	0.013925	0.016936	0.067753	0.010893	0.048975	0.021901	0.447193
RAB18	1	71.74296	79.34724	42.3058	50.0473	77.08841	58.3541	45.10792	34.72556	30.84699	44.36821	64.10634	42.68056	0.665777
RAB19	1	0.03603	0	0.039345	0.032371	0	0	0	0	0	0	0.021549	0	0
RAB1A	1	71.66778	76.04467	48.08643	51.027	81.89253	78.09772	101.1573	69.0251	87.50164	60.21268	65.74368	79.19889	1.204662
RAB1B	1	16.1276	13.67372	14.70288	14.11282	13.80921	50.82713	35.51156	31.62526	19.96059	34.49515	14.48525	34.48394	2.380625
RAB20	1	0.098226	0.088742	0.257427	0.188264	0	0	0.08349	0.913898	0.812472	0.555169	0.126532	0.473006	3.738235
RAB21	1	12.61471	13.21168	10.73334	13.52958	30.23531	10.98285	17.38392	18.81567	11.99328	9.628626	16.06492	13.76087	0.856579
RAB22A	1	12.22991	13.80317	12.62295	12.25017	4.45896	4.374994	6.937266	4.898513	5.476701	4.228968	11.07303	5.183289	0.4681
RAB23	1	10.2528	9.692476	5.655078	7.419215	7.38482	1.643268	2.717293	3.563617	7.857567	0.620317	8.080879	3.280413	0.405948
RAB24	1	11.86048	11.20632	15.04338	16.83767	41.26862	25.68404	15.23152	21.22326	32.99403	39.12799	19.24329	26.85217	1.395404
RAB25	1	0.017438	0	0.152337	0.083556	0	1.095114	0.222331	0.585883	0	0.28988	0.050666	0.438642	8.657472
RAB26	1	9.96096	11.43471	9.56383	22.75609	45.97183	6.025226	3.42946	0.743879	5.951899	18.33561	19.93749	6.897214	0.345942
RAB27A	1	2.900849	2.724639	1.004491	1.585216	1.894086	1.942504	1.646062	6.224974	6.15288	1.817539	2.021856	3.556792	1.759172
RAB27B	1	4.051484	6.405511	2.634822	3.257069	0.830688	3.20397	5.854256	2.326851	2.606453	1.496649	3.435915	3.097636	0.901546
RAB28	1	16.76572	17.5936	12.53288	14.81453	25.31601	19.3254	21.36709	17.76559	16.49901	15.25295	17.40455	18.04201	1.036626
RAB29	1	1.609002	0.747055	1.58017	1.498182	1.514649	1.947339	3.287265	2.493244	1.977074	1.695312	1.389812	2.280047	1.640543
RAB2A	1	112.0391	112.5022	52.46954	51.32645	132.977	103.7493	140.903	106.6682	144.4578	136.0629	92.26285	126.3682	1.369654
RAB2B	1	17.71413	17.23897	14.78242	16.44117	40.38477	42.22388	37.57777	44.46092	28.77758	34.22971	21.31229	37.45397	1.757388
RAB30	1	4.470128	6.807131	7.084319	5.415948	1.4153	1.235612	2.044282	2.527315	4.098946	2.041505	5.038565	2.389532	0.474249
RAB31	1	10.5142	9.381853	9.946154	10.21325	17.03776	6.095287	6.245359	5.185395	4.492311	3.978141	11.41864	5.199299	0.455334
RAB32	1	2.135013	1.379221	1.600363	1.712238	3.019611	7.575068	3.325702	1.753545	6.079839	2.842291	1.969289	4.315289	2.191293
RAB33A	1	4.367804	5.473875	5.160262	4.981474	11.8711	5.087439	3.801485	2.843894	4.04834	6.059974	6.370903	4.368227	0.685653
RAB33B	1	4.433906	5.12147	4.528775	4.570857	3.842972	3.293862	5.791618	5.577091	5.025922	2.923964	4.499596	4.522491	1.005088
RAB34	1	6.299984	2.542678	6.170237	5.783219	11.63239	7.534354	1.794154	5.874931	8.561859	3.202983	6.485701	5.393656	0.831623
RAB35	1	18.76728	18.09937	16.46905	19.0683	17.82488	9.608022	14.14567	11.79185	9.983223	11.37126	18.04578	11.38	0.630619
RAB36	1	4.160477	4.062778	4.532469	6.373412	8.859459	2.202929	4.222784	1.467402	1.923082	1.969054	5.597719	2.35705	0.421073
RAB37	1	1.564486	2.077164	5.617673	3.081271	6.540366	1.585861	1.527452	1.165643	1.602993	0.972333	3.776192	1.370856	0.363026
RAB38	1	0.322743	0.232644	0.569885	0.320805	0.074538	1.832765	1.488358	0.301699	0.354992	0.102735	0.304123	0.81611	2.683488

RAB39A	1	1.148385	1.702152	2.142274	1.576258	0.064924	3.380555	2.745293	1.85496	1.484184	1.551062	1.326799	2.203211	1.660546
RAB39B	1	12.78763	14.2121	9.036078	8.515523	3.577466	3.980285	10.34344	8.806051	5.294884	5.832695	9.62576	6.85147	0.711785
RAB3A	1	233.0816	225.0819	174.0284	222.7049	267.3453	247.5972	357.0651	122.0377	79.59112	175.5886	224.4484	196.3759	0.874927
RAB3B	1	19.37137	14.7632	22.89055	25.91633	3.02675	10.98749	9.863829	21.28047	2.204672	3.708238	17.19364	9.608938	0.558866
RAB3C	1	22.72976	31.3688	38.3369	34.0872	20.36202	18.20529	21.25791	32.04998	58.83405	39.48423	29.37694	33.96629	1.156223
RAB3D	1	6.973224	3.229997	10.64113	6.882659	1.751497	3.973848	5.566741	5.135097	3.336663	8.036438	5.895701	5.209758	0.883654
RAB3GAP1	1	33.52115	28.66806	17.85003	19.07528	12.93992	10.52913	29.49135	14.82088	21.03985	22.0418	22.41089	19.5846	0.873888
RAB3GAP2	1	14.0705	16.24669	15.19395	17.10345	3.083023	14.89746	38.68778	27.8857	36.16348	25.17236	13.13952	28.56136	2.173698
RAB3IL1	1	2.91872	1.345239	1.94835	3.42219	3.330506	1.997035	1.051952	1.879153	1.892755	4.25183	2.593001	2.214545	0.854047
RAB3IP	1	6.941911	7.18936	8.368102	4.589871	8.763561	13.78366	15.35588	78.7761	73.38225	32.39717	7.170561	42.73901	5.960344
RAB40B	1	14.50018	14.25788	5.1833	7.841022	19.08619	3.799882	5.066274	9.606794	5.154249	20.50113	12.17372	8.825666	0.724977
RAB40C	1	2.190594	1.932944	3.471473	3.732239	4.377178	2.322309	2.539491	2.949059	2.646043	5.097317	3.140886	3.110844	0.990435
RAB42	1	0	0.051984	0.251328	0.110282	0	0	0.097815	0	0	0.03826	0.082719	0.027215	0.329006
RAB43	1	1.891847	1.89693	5.972213	5.438956	2.240226	1.500099	0.621285	0.548202	1.422569	3.22112	3.488034	1.462655	0.419335
RAB44	1	0.020741	0	0	0.049691	0	0	0	0.053604	0	0.017239	0.014086	0.014169	1.005837
RAB4A	1	4.452133	5.323955	3.971247	4.322033	3.391789	1.712902	2.293962	2.557502	2.919044	2.294097	4.292231	2.355501	0.548782
RAB4B	1	17.96757	16.46919	18.74233	17.32386	39.90451	22.94493	16.01105	11.40368	14.49831	31.25117	22.08149	19.22183	0.870495
RAB5A	1	48.54413	56.13511	32.91295	37.88508	75.9037	64.26267	70.97986	47.94891	64.9843	42.69403	50.27619	58.17395	1.157087
RAB5B	1	64.16025	53.24542	62.19172	65.31712	107.111	100.9129	69.20758	71.29621	74.22197	54.46744	70.40511	74.02122	1.051361
RAB5C	1	42.91876	35.84913	39.71423	50.62251	67.09226	57.21972	48.46817	35.34224	36.83484	71.29312	47.23938	49.83162	1.054875
RAB5IF	1	19.27234	19.76236	12.88001	14.50773	69.58884	33.06836	27.67481	38.37687	7.712785	9.249316	27.20226	23.21643	0.853474
RAB6A	1	104.4424	114.976	67.41149	78.39958	97.62217	105.021	132.5426	74.97293	89.54625	79.21537	92.57033	96.25962	1.039854
RAB6B	1	134.803	131.5692	86.36511	103.0251	36.68795	91.8474	111.9967	47.54599	28.44524	53.30159	98.49007	66.62738	0.676488
RAB7A	1	66.65272	67.47739	28.02624	32.58398	75.14266	78.41726	64.95428	52.00513	31.7092	49.27052	53.9766	55.27128	1.023986
RAB7B	1	1.212081	1.390423	1.003126	1.115705	0.380854	0.400624	0.135559	0.065949	0.164895	10.90158	1.020438	2.333721	2.286981
RAB8A	1	12.74987	11.40228	10.91812	11.80052	6.799796	11.24927	8.065208	9.523502	10.28688	12.90458	10.73412	10.40589	0.969422
RAB8B	1	8.581657	9.603492	10.81041	13.27492	7.175216	6.186148	8.551805	5.507016	9.588427	3.748996	9.889139	6.716479	0.679177
RAB9A	1	12.45254	13.73726	13.32256	13.89552	23.52738	11.12322	12.80948	9.962107	12.91227	10.95897	15.38705	11.55321	0.75084
RAB9B	1	7.530001	7.451787	4.635926	4.005037	4.709386	10.28789	8.937987	12.66983	19.74247	13.73977	5.666427	13.07559	2.307554
RABAC1	1	23.44311	20.56364	41.35291	52.79273	79.25257	23.47827	12.80434	13.58385	22.6241	83.64352	43.48099	31.22682	0.718172
RABEP1	1	40.71756	49.16715	30.64792	33.2098	33.64762	41.36163	59.56526	30.77939	25.33972	23.828	37.47801	36.1748	0.965227
RABEP2	1	2.725226	2.806855	6.580127	8.750092	2.88441	3.764164	4.143683	3.20145	3.181259	7.160693	4.749342	4.29025	0.903336
RABEPK	1	2.969852	3.282259	3.139151	3.848756	8.173924	13.3298	12.39699	15.15963	8.960506	6.430249	4.282789	11.25543	2.628062
RABGAP1	1	21.3195	19.59443	11.53465	11.18839	13.18663	23.0927	24.03766	23.34335	13.70108	11.11607	15.36472	19.05817	1.240385
RABGAP1L_1	1	0.53594	1.149957	2.190456	0.834599	0.43631	0.56095	1.382885	3.146172	3.364321	2.329098	1.029453	2.156685	2.094983
RABGAP1L_2	1	11.79059	13.32413	7.447087	7.732427	8.234761	9.206146	12.10172	12.18747	13.50109	12.54736	9.705799	11.90876	1.226973
RABGEF1	1	13.18603	13.03866	8.969801	9.321916	2.24288	5.855932	12.213	15.2154	17.02532	14.3735	9.351858	12.93663	1.383322
RABGGTA	1	5.307961	4.610368	6.368553	7.42842	9.515896	8.42235	7.529891	6.277139	4.503405	8.823602	6.64624	7.111277	1.06997
RABGGTB	1	22.96895	24.53487	18.36462	17.0691	42.70772	120.2041	73.45514	134.5368	75.10125	88.81952	25.12905	98.42336	3.916716
RABIF	1	2.912953	1.688092	7.031436	6.336031	1.352136	6.81988	6.759998	5.150984	12.08676	19.68777	3.864129	10.10108	2.614063
RABL2B	2.46E-07	33.53387	35.5254	27.64397	29.32812	60.44159	5.307371	3.720449	4.45077	7.567409	9.335809	37.29459	6.076362	0.162929
RABL3	1	17.48631	14.27049	6.751721	7.198274	17.48649	28.4141	24.71695	22.42141	30.36571	13.13685	12.63866	23.811	1.883982
RABL6	1	29.97492	36.7795	42.65858	56.8758	24.70583	56.66904	28.25686	22.40632	18.36266	53.21059	38.19893	35.7811	0.936704
RAC1	1	97.66538	91.2897	80.12851	95.95227	127.0328	139.7034	121.1706	97.1176	80.0468	81.9943	98.41374	104.0065	1.056829
RAC2	1	1.33299	0.336016	1.507585	1.511239	0.807432	2.429134	1.188654	0.522907	0.49222	0.316554	1.099053	0.989894	0.900679
RAC3	1	10.92706	10.09051	8.9491	7.112846	21.69879	32.96073	17.85801	24.93094	5.590051	38.00021	11.75566	23.86799	2.03034

RACGAP1	1	5.553457	5.444736	7.426357	4.78145	4.63587	2.753044	3.307455	2.466852	2.242919	1.803066	5.568374	2.514667	0.451598
RACK1	1	116.1497	99.75699	128.7338	138.857	353.8771	420.4719	181.8598	333.0837	188.9534	328.1829	167.4749	290.5104	1.73465
RAD1	1	4.300395	5.459	3.845316	4.646501	5.93628	1.70326	2.539627	2.440695	2.399676	1.126407	4.837498	2.041933	0.422105
RAD17	1	4.28474	4.832432	3.843781	3.610377	5.600061	8.033597	8.041428	6.931941	6.860277	6.047724	4.434278	7.182993	1.619879
RAD18	1	1.187621	1.713195	1.079138	1.152653	2.011317	1.043429	2.486793	1.288226	1.971833	3.091027	1.428785	1.976262	1.383176
RAD21	1	134.6904	140.9388	107.8259	92.5122	64.97016	135.7895	112.5599	102.9134	106.3384	78.8441	108.1875	107.289	0.991695
RAD21L1	1	0.186599	0.218532	0.098108	0.082787	0.196921	0.144672	0.080771	0.160752	0.339414	0.097653	0.15659	0.164652	1.051489
RAD23A	1	25.60942	23.75102	24.17915	28.46318	31.13525	59.04207	35.75681	34.85042	34.06332	60.38643	26.62761	44.81981	1.683208
RAD23B	1	40.15427	43.69262	30.22587	29.23016	43.8762	36.45611	54.51488	46.59455	61.28253	49.85126	37.43582	49.73987	1.32867
RAD50	1	16.28792	16.17474	9.399076	10.08455	6.997954	18.92975	21.67291	24.62946	24.62195	17.20422	11.78885	21.41166	1.816264
RAD51	1	0.869053	0.856278	0.700596	0.572918	1.202904	0.061048	0.173515	0.030148	0.120609	0.126044	0.84035	0.102273	0.121702
RAD51AP1	1	0.311153	0.567625	0.470455	0.363171	0.216504	0.709801	0.406883	0.577344	0.742407	1.405832	0.385782	0.768453	1.991938
RAD51AP2	1	0.077061	0.006216	0.012021	0.019781	0.029874	0	0.046786	0.128031	0.426833	0.064051	0.028991	0.13314	4.592518
RAD51B	1	0.491303	0.510445	0.629486	0.541447	0.639953	1.645536	0.501117	0.744917	1.62551	0.479136	0.562527	0.999243	1.776349
RAD51C	1	1.737231	1.174089	1.274448	1.084701	1.255927	3.440028	4.347168	8.21681	7.108401	1.906655	1.305279	5.003812	3.833519
RAD51D	1	1.522302	0.855629	1.791955	1.71063	2.226586	2.539845	2.136759	2.598806	4.259774	3.610131	1.621421	3.029063	1.868154
RAD52	1	3.198092	3.25443	4.89683	4.319318	9.193561	4.855471	1.971524	8.119962	6.976553	5.853767	4.972446	5.555455	1.117248
RAD54B	1	1.757025	2.528668	1.918637	2.553909	2.267701	4.513442	4.519009	3.613362	2.243103	1.567238	2.205188	3.291231	1.492494
RAD54L	1	0.405958	0.392096	1.469882	0.524686	0.36238	1.621336	1.191804	3.962014	0.800802	2.264256	0.631	1.968042	3.118925
RAD54L2	1	3.093398	3.284667	4.765926	3.759941	0.994313	2.477526	4.609588	6.151067	2.59824	3.056248	3.179649	3.778534	1.188349
RAD9A	1	1.114361	1.354642	1.596644	2.49122	2.715829	3.305933	2.36796	3.246881	2.421755	4.082446	1.854539	3.084995	1.663483
RAD9B	1	0.333975	0.300549	0.205141	0.262544	0.438988	0.191166	0.188509	0.229271	0.296747	0.156144	0.308239	0.212367	0.688969
RADIL	1	1.427888	1.508966	4.92086	6.977834	1.125712	3.63347	1.428946	3.566158	2.37026	4.863395	3.192252	3.172446	0.993795
RAE1	1	8.587991	10.29455	8.661333	10.45839	17.6723	16.90991	15.17217	11.70593	9.882346	12.59238	11.13491	13.25255	1.19018
RAET1G	1	0	0.065562	0	0	0.157543	0	0	0	0	0	0.044621	0	0
RAET1L	1	0.25869	0.496638	0.112994	0.030988	0.1404	0	0	0	0	0	0.207942	0	0
RAF1	1	10.87173	9.775856	14.3259	15.66388	13.64226	15.75736	16.88653	19.6209	14.8151	22.29113	12.85592	17.8742	1.390348
RAG1	0.040029	0	0	0	0	0	0.147467	0.24949	0.339852	0.194229	0.031228	0	0.192453	#DIV/0!
RAG2	1	0.058944	0.041603	0.12873	0.035304	0	0.077118	0	0	0	0	0.052916	0.015424	0.291471
RAI1	1	3.003277	3.34934	8.371406	9.255616	1.997969	3.776901	2.276062	1.488932	3.193337	10.37904	5.195522	4.222854	0.812787
RAI14	1	5.568218	3.249245	2.370775	1.839021	2.421464	5.809677	5.173314	1.044123	1.416582	0.280315	3.089745	2.744802	0.888359
RAI2	1	1.225759	1.121725	0.938492	1.721489	1.185236	6.414798	5.224321	5.298047	8.084793	6.241676	1.23854	6.252727	5.048465
RALA	1	16.56204	14.63884	8.02481	9.48762	14.32864	18.59651	23.23782	13.70019	15.52411	7.217436	12.60839	15.65521	1.24165
RALB	1	11.54757	8.459097	8.741266	10.88694	11.7498	10.50375	4.952322	1.863364	4.291398	4.79412	10.27693	5.28099	0.513868
RALBP1	1	19.65634	18.70732	14.64425	18.05073	12.52893	29.2044	18.01076	24.8505	20.27773	27.1631	16.71751	23.9013	1.429716
RALGAPA1	1	11.77819	16.84067	12.09462	9.951899	7.801982	11.12492	23.25231	17.0643	13.69808	10.03938	11.69347	15.0358	1.285828
RALGAPA2	1	2.045421	1.994127	3.505414	2.305137	0.651254	1.244425	2.423513	2.270423	2.708969	1.346892	2.100271	1.998844	0.951708
RALGAPB	1	13.36157	17.77418	16.56316	14.45302	9.403509	14.44187	19.76044	19.15151	19.44052	14.02558	14.31109	17.36398	1.213324
RALGDS	1	2.920794	4.505946	11.29597	15.48948	6.94711	29.59286	14.36186	13.54709	10.04383	26.95722	8.231861	18.90057	2.296027
RALGPS1	1	6.208738	6.578304	7.628669	9.319018	5.254587	7.778825	7.768271	9.920464	10.01017	5.7465	6.997863	8.244846	1.178195
RALGPS2	1	4.336936	3.809049	3.406533	2.646765	2.450553	8.187473	8.318616	8.492807	16.3333	5.548419	3.329967	9.376122	2.81568
RALY	1	15.6346	14.89184	19.57204	20.16989	42.97134	19.61387	14.56158	23.1253	15.90766	24.15074	22.64794	19.47183	0.859762
RALYL	1	9.613511	11.26354	4.600092	4.460446	16.34423	4.647169	5.779338	8.193163	11.7981	4.207367	9.256363	6.925027	0.748137
RAMMET	1	10.4247	10.49344	6.597093	7.020636	27.22001	26.20401	29.75689	15.8258	19.60478	15.63733	12.35118	21.40576	1.733095
RAMP1	1.47E-09	13.89828	11.173	22.35574	35.19563	48.46627	4.034566	1.774719	0.276728	2.878391	1.388351	26.21779	2.070551	0.078975
RAMP2	1	22.80848	9.640617	20.12591	26.06354	49.00494	111.9183	16.18663	11.25768	15.38961	23.21494	25.5287	35.59343	1.394252

RAMP3	1	4.279685	2.970788	7.374432	12.793	12.78568	12.5341	14.90656	3.044202	2.300399	9.398661	8.040718	8.436784	1.049258
RAN	1	27.83885	32.07269	18.34618	19.12553	50.68445	55.29099	62.04488	47.41154	22.22918	31.64995	29.61354	43.72531	1.476531
RANBP1	1	20.20686	21.7087	15.20926	15.29406	30.65707	34.47837	26.23762	21.05509	24.5726	36.36525	20.61519	28.54179	1.384503
RANBP10	1	5.34942	4.602378	7.36704	7.093064	5.863593	5.966515	6.814196	8.063183	8.457283	8.284845	6.055099	7.517205	1.241467
RANBP17	1	0.804536	0.749568	1.262897	0.638483	0.832362	2.289404	3.782485	5.471097	4.159159	4.463595	0.857569	4.033148	4.703
RANBP2	1	10.87266	12.89497	14.87503	13.48221	5.226682	6.694139	11.66127	12.97168	14.812	11.57578	11.47031	11.54298	1.006335
RANBP3	1	7.427732	6.468102	10.72047	12.20609	7.314145	10.06647	7.650363	12.49396	8.404776	12.97907	8.827308	10.31893	1.168978
RANBP3L	1	2.718229	1.176963	1.876642	2.573327	1.246712	1.068574	3.480123	3.540039	10.22582	1.774913	1.918375	4.017895	2.094426
RANBP6	1	13.73473	15.33305	11.65488	11.51934	10.13611	9.900423	25.66276	15.95003	20.81103	15.46253	12.47562	17.55735	1.407333
RANBP9	1	22.33447	22.27201	17.93952	18.30035	22.41084	20.74068	32.48661	17.62421	19.57259	14.37247	20.65144	20.95931	1.014908
RANGAP1	1	10.54074	10.79694	8.83964	14.16601	6.44396	6.988367	12.58345	8.991374	6.520651	22.52296	10.15746	11.52136	1.134276
RANGRF	1	4.100819	3.424043	6.47883	7.525296	11.66101	38.46986	17.93793	15.39013	10.59988	21.3573	6.638	20.75102	3.126095
RAP1A	1	11.60175	10.72524	10.20838	9.919726	9.259804	17.01957	17.53994	15.80494	22.66624	11.72496	10.34298	16.95113	1.638902
RAP1B	1	11.65067	8.374539	9.579895	10.80913	19.01708	24.23628	19.3848	21.84516	25.95902	13.40217	11.88626	20.96549	1.763842
RAP1GAP	1	33.3973	35.65631	37.42626	61.63663	43.43116	38.85878	90.05423	19.7107	11.96041	19.74558	42.30953	36.06594	0.852431
RAP1GAP2	1	44.6033	38.21171	35.58902	41.31835	36.51338	83.04536	38.78224	22.30759	14.96256	26.05808	39.24715	37.03117	0.943538
RAP1GDS1	1	39.62831	43.83381	38.72145	41.44213	51.99349	38.15642	51.6222	61.90993	63.00294	46.98552	43.12384	52.3354	1.213607
RAP2A	1	17.47544	21.85802	20.98352	22.2473	7.061434	28.28356	29.51522	14.48496	14.03716	9.76532	17.92514	19.21724	1.072083
RAP2B	1	6.336697	5.813295	3.149516	4.313022	8.293335	6.572426	5.46927	1.320513	2.51798	0.674729	5.581173	3.310984	0.593242
RAP2C	1	4.154917	4.673718	3.372703	3.792813	4.057698	12.70006	10.84308	7.211558	9.63089	4.767566	4.01037	9.030631	2.25182
RAPGEF1	1	7.998568	7.27481	13.12079	14.28091	7.650433	13.43249	7.697892	12.77092	6.418751	9.758012	10.0651	10.01561	0.995083
RAPGEF2	1	14.76358	15.7973	17.07996	16.93459	10.38618	26.75971	23.53122	14.37184	10.71132	13.59573	14.99232	17.79396	1.186872
RAPGEF3	1	4.674219	5.915581	17.6516	27.20185	9.39517	7.583447	6.381523	2.535458	6.48303	6.089414	12.96768	5.814574	0.44839
RAPGEF4	1	38.02734	32.89678	17.77678	25.95247	17.45235	185.6913	62.72162	35.24112	26.41429	17.85317	26.42114	65.5843	2.482266
RAPGEF5	0.900163	40.98937	48.31123	40.14059	49.89855	39.79753	9.125992	22.268	2.440306	5.248127	1.442602	43.82746	8.105005	0.18493
RAPGEF6	1	3.755388	5.924476	5.539427	4.439582	1.966569	2.854709	6.670235	7.176129	7.217895	4.946373	4.325089	5.773068	1.334786
RAPGEFL1	1	9.844704	8.018621	6.471502	12.42358	15.61447	8.143808	12.36557	1.709852	1.734186	1.556745	10.47458	5.102033	0.487087
RAPH1	1	11.78032	13.05948	7.747262	10.01675	9.489146	4.834959	9.19368	7.482997	4.370598	2.051589	10.41859	5.586765	0.53623
RAPSN	1	0.256813	0.163925	0.243857	0.615271	0.424204	0	0	0	0.057723	0.037123	0.340814	0.018969	0.055658
RARA	1	1.816884	1.673622	2.597697	3.070985	2.830816	2.316653	2.323015	1.939933	2.20886	3.538575	2.398001	2.465407	1.02811
RARB	1	10.23215	14.01366	3.125653	6.312437	12.81197	3.673189	8.389508	0.878646	2.154414	0.820382	9.299173	3.183228	0.342313
RARG	1	0.99206	0.421412	1.321837	1.390081	1.259618	3.191275	1.518203	4.916146	2.611347	1.006124	1.077002	2.648619	2.459252
RARRES1	1	22.56953	1.303937	12.33259	12.51302	7.245764	9.630378	15.44966	13.0554	2.518194	0.809743	11.19297	8.292675	0.740883
RARRES2	1	6.57658	3.343984	6.359733	8.995081	13.27402	3.510232	0.139054	0.549648	6.596732	6.472458	7.70988	3.453625	0.447948
RARS	1	15.59918	15.41047	11.96723	13.00091	22.47263	18.82476	28.97821	25.01141	27.50513	26.10734	15.69008	25.28537	1.611551
RARS2	1	3.616495	3.170471	2.00855	2.34418	4.578606	9.264118	6.391813	9.042816	8.078947	7.506155	3.14366	8.05677	2.562863
RASA1	1	15.18785	17.41766	7.110057	6.621873	10.48817	11.0026	30.33886	15.03954	16.21519	8.495125	11.36512	16.21826	1.427021
RASA2	1	4.879748	7.103033	3.857803	3.963701	4.331266	5.695137	12.09854	9.309797	18.00265	6.491513	4.82711	10.31953	2.137827
RASA3	3.65E-05	15.93177	15.77569	14.67755	11.4519	20.65692	3.245787	4.447998	4.783684	3.331532	4.003195	15.69877	3.962439	0.252405
RASAL1	1	4.067861	1.344206	2.157364	4.589902	2.730572	11.2543	3.174682	18.62399	0.079296	1.687986	2.977981	6.96405	2.338514
RASAL2	1	6.121418	6.602089	5.859065	7.630471	2.450946	5.372975	7.616811	1.161346	2.076881	1.323304	5.732798	3.510264	0.612312
RASAL3	1	0.112685	0.053023	0.36915	0.646803	0.356756	2.064017	0.568695	0.570323	1.116539	0.382446	0.307684	0.940404	3.056399
RASD1	1	1.184717	1.013993	3.676796	4.869977	3.722553	4.829483	1.669476	3.384132	3.416859	13.24677	2.893607	5.309344	1.834853
RASD2	1	12.1316	15.37507	13.71206	24.63076	26.27426	15.29961	16.95785	3.173042	2.482245	5.930807	18.42475	8.768712	0.47592
RASEF	1	0.309936	0.236877	0.42391	0.393772	0.152921	0.409595	0.638641	0.631101	0.258951	0.208169	0.303483	0.429291	1.414547
RASGEF1A	1	14.48561	14.0757	11.13825	10.13956	22.83827	18.44458	15.46271	3.783818	2.581391	5.3108	14.53548	9.116659	0.6272

RASGEF1B	1	44.08131	44.5629	25.72912	36.37005	52.70329	21.04002	24.08602	1.61104	7.834636	1.929865	40.68933	11.30032	0.277722
RASGEF1C	1	2.004914	1.269302	2.637144	0.900628	1.792951	2.662837	1.629903	6.948036	2.51265	8.710821	1.720988	4.49285	2.610623
RASGRF1	1	19.36274	18.91852	27.79997	16.96204	15.43284	14.25545	25.54139	41.73506	24.9499	38.01398	19.69522	28.89916	1.467318
RASGRF2	1	33.67238	38.19758	10.43833	14.77246	22.75995	30.43106	66.24036	0.634449	3.807249	0.97585	23.96814	20.41779	0.851872
RASGRP1	1	45.26505	43.78694	16.91465	21.42461	27.31015	26.19762	33.34308	0.430652	5.383938	6.215164	30.94028	14.31409	0.462636
RASGRP2	1	2.28085	2.064879	4.199101	4.704228	4.382081	8.713925	4.819987	1.575175	3.995354	5.514957	3.526228	4.92388	1.396359
RASGRP3	1	2.987554	4.449134	7.112375	8.872545	2.640001	12.45733	2.85898	2.594525	4.387257	0.50466	5.212322	4.56055	0.874955
RASGRP4	1	0.145526	0.054781	0.49439	0.338964	0.153576	0.380791	0.120258	0.188051	0.334362	0.094077	0.237447	0.223508	0.941295
RASIP1	1	2.836726	2.384484	6.374132	7.013391	9.062937	36.18021	8.202915	10.14297	4.263388	5.82399	5.534334	12.92269	2.335004
RASL10A	1	7.871934	7.792313	3.555135	8.032743	18.59271	14.30431	10.37722	0.313959	1.318821	1.231841	9.168968	5.509231	0.600856
RASL10B	1	16.5724	13.541	24.0904	34.00375	23.25314	36.21406	4.29244	5.951208	5.267053	10.7885	22.29214	12.50265	0.560855
RASL11A	1	2.73144	2.157226	2.690259	3.186433	6.055743	4.110842	1.176009	2.629917	5.629764	6.617947	3.36422	4.032896	1.198761
RASL11B	1	17.35201	16.16951	8.5496	9.144372	30.01074	15.21162	9.857526	1.391139	1.467233	1.936003	16.24525	5.972704	0.367659
RASL12	1	1.577977	0.299779	1.964679	1.245445	0.760375	7.177577	4.152231	3.697053	0.72427	0.66191	1.169651	3.282608	2.806485
RASSF1	1	2.384065	2.44663	3.063363	3.593389	4.911848	9.569428	6.364494	8.709822	6.72477	8.072436	3.279859	7.88819	2.405039
RASSF10	1	0.320822	0.391163	0.855677	0.639385	0.231134	1.054927	0.361981	0.21279	0.146773	0.014159	0.487636	0.358126	0.734412
RASSF2	1	7.903095	3.846865	6.310792	8.802713	4.626198	11.24688	7.057631	11.369	15.18259	7.270719	6.297933	10.42536	1.655363
RASSF3	1	6.90791	4.862171	5.133636	4.18057	2.31068	10.73243	7.849167	3.688401	3.099948	1.774322	4.678993	5.428854	1.160261
RASSF4	1	2.641588	4.063795	7.814809	11.96315	8.046164	15.79919	16.55333	16.10971	8.918239	11.73974	6.905901	13.82404	2.001773
RASSF5	1	8.476776	9.937653	5.21023	7.545231	14.90135	11.92961	10.54092	1.061399	0.739509	1.17363	9.214249	5.089015	0.552298
RASSF6	1	0.00612	0	0.02673	0	0	0.064051	0.416119	0.063262	0.031636	0	0.00657	0.115014	17.5063
RASSF7	1	0.732325	0.827018	1.80182	2.398549	4.62862	1.891991	1.37887	1.437457	0.814677	3.436367	2.077666	1.791872	0.862445
RASSF8	1	6.347827	4.774211	6.528121	4.466101	3.580668	5.327458	5.325257	3.602864	12.11744	11.7109	5.139386	7.616784	1.482042
RASSF9	1	0.646131	0.097291	0.282225	0.206399	0	0.676283	0.30511	6.976427	0.296912	0.429634	0.246409	1.736873	7.048736
RAVER1	1	3.595913	3.659321	11.39718	13.67848	8.657277	7.522194	4.650662	9.280488	6.498581	11.15598	8.197633	7.821581	0.954127
RAVER2	1	3.830082	2.130755	2.117298	2.103933	2.099952	4.186277	7.473592	2.247135	10.92267	4.451753	2.456404	5.856284	2.384088
RAX	1	0.011293	0.012754	0	0.027057	0	0	0	0	0	0	0.010221	0	0
RAX2	1	0.010319	0	0	0.024723	0.112011	0	0	0	0.533464	0.171539	0.029411	0.141	4.794207
RB1	1	7.18988	9.057349	10.25418	8.463503	6.45984	5.721911	9.932992	13.12711	13.62985	9.196928	8.28495	10.32176	1.245844
RB1CC1	1	50.8996	46.91003	28.91959	33.80208	31.99405	42.49868	41.11486	25.31662	24.75081	26.88149	38.50507	32.11249	0.833981
RBAK	1	4.129985	5.205624	4.016082	3.391204	3.205308	1.21908	2.282811	4.433804	6.432077	6.21395	3.98964	4.116344	1.031758
RBBP4	1	66.25882	53.13174	44.92226	48.97596	128.0689	34.2617	42.77883	44.05523	57.05596	46.93858	68.27154	45.01806	0.659397
RBBP5	1	13.9449	14.89083	11.89001	11.16444	13.8599	8.918395	14.93361	16.52583	11.6945	9.066862	13.15002	12.22784	0.929872
RBBP6	1	12.81417	15.97225	14.74678	14.90065	7.745461	11.03927	12.45947	22.46003	19.33657	14.19793	13.23586	15.89865	1.20118
RBBP7	1	35.76031	34.34363	21.74213	22.0148	41.23094	30.92903	39.45511	25.50446	29.44979	21.10672	31.01837	29.28902	0.944248
RBBP8	1	9.499547	9.046698	5.231669	4.774837	7.000633	5.202358	3.379799	4.361287	8.999597	4.3771	7.110677	5.264028	0.740299
RBBP8NL	1	0	0	0	0	0	0	0	0	0	0.693266	0	0.138653	#DIV/0!
RBBP9	1	4.386648	3.573067	2.126136	3.165338	3.789755	7.035627	1.650024	1.557533	5.781684	0.732097	3.408189	3.351393	0.983336
RBCK1	1	3.993469	3.078462	6.117746	7.27269	10.02026	11.72169	6.124621	7.359246	4.906878	4.483378	6.096526	6.919162	1.134935
RBFA	1	3.722337	2.458502	3.251775	3.296931	2.877311	2.479299	2.828345	2.827746	2.915626	7.087804	3.121371	3.627764	1.162234
RBFOX1	1	24.46137	25.35172	10.7353	11.95787	16.92603	13.34676	26.71188	8.393573	11.88477	7.791542	17.88646	13.6257	0.761789
RBFOX2	1	28.7094	29.77895	28.7392	23.96663	26.18717	34.12678	34.25485	54.90021	43.85573	33.1927	27.47627	40.06605	1.458206
RBFOX3	1	20.93167	23.23592	27.96244	24.57865	17.67667	15.2839	22.15058	27.28138	37.56283	91.43757	22.87707	38.74325	1.693541
RBKS	1	2.33142	2.437857	1.634382	2.085975	6.912512	5.64865	5.688097	7.066852	3.050348	5.14354	3.080429	5.319497	1.726869
RBL1	1	1.732605	1.768427	1.546942	1.335126	0.480536	0.944888	1.180504	2.162634	2.800166	1.454513	1.372727	1.708541	1.244633
RBL2	1	11.66207	12.55343	11.86477	12.54249	6.551196	18.72637	25.70806	29.35007	25.20905	12.71866	11.03479	22.34244	2.024727

RBM10	1	14.15205	13.0302	24.84655	27.21281	25.43311	21.47207	18.3997	34.94691	20.29557	32.7521	20.93494	25.57327	1.221559
RBM11	1	4.514905	5.045817	2.63898	2.614423	4.1433	2.647118	2.01035	0.242085	1.791692	0.778556	3.791485	1.49396	0.39403
RBM12	1	0.316119	0.541868	0.55478	0.196101	0.061275	0.827178	1.007607	1.619396	0.963024	1.088527	0.334029	1.101147	3.296564
RBM12B	1	8.520461	9.052975	9.84401	8.395196	4.169277	3.424175	4.284362	5.686788	7.441506	4.471522	7.996384	5.061671	0.632995
RBM14	1	3.981327	5.023269	11.32607	9.949553	7.208884	8.100733	6.439901	10.0855	8.995762	5.585612	7.49782	7.841501	1.045837
RBM15	1	1.419326	1.975114	1.781441	0.989689	0.857491	0.598839	0.751769	1.538352	0.515572	0.525279	1.404612	0.785962	0.559558
RBM15B	1	3.951674	3.452999	6.391369	6.861345	7.165203	2.370604	3.495628	3.958837	2.434192	6.004244	5.564518	3.652701	0.656427
RBM17	1	13.51649	12.97705	11.66976	14.41044	22.91969	13.1174	12.37695	15.09044	17.67304	16.73827	15.09869	14.99922	0.993412
RBM18	1	21.73477	21.58001	13.73861	12.53744	6.778858	18.60764	21.85277	17.24753	9.614773	11.27561	15.27394	15.71966	1.029182
RBM19	1	3.664916	3.058979	3.218117	3.756546	2.429165	0.897385	1.618076	1.126697	1.232035	2.381848	3.225545	1.451208	0.449911
RBM20	1	0.160375	0.168328	0.164825	0.108487	0.261123	0.177733	0.192446	0.102401	0.17557	0.065865	0.172628	0.142803	0.827231
RBM22	1	11.37448	13.08575	12.96518	14.34091	17.51926	11.52474	9.943996	14.59097	14.84817	13.46021	13.85712	12.87362	0.929026
RBM23	1	4.674791	3.925808	5.034139	5.326638	6.717123	12.70455	9.59365	11.82655	8.783192	14.42712	5.1357	11.46701	2.232804
RBM24	1	4.225399	3.737659	1.699226	2.860581	3.540599	4.447637	6.320742	4.160852	5.012313	3.621451	3.212693	4.712599	1.466869
RBM25	1	27.2703	22.97386	13.8656	11.70627	8.644946	11.85652	11.76446	18.10421	20.1576	14.34023	16.8922	15.24461	0.902464
RBM26	1	11.71593	12.43987	8.447886	8.265632	5.781179	8.89132	16.91821	17.90818	19.87164	12.33252	9.3301	15.18437	1.627461
RBM27	1	7.526141	7.711019	5.376463	5.230376	2.814074	4.464835	5.835493	9.732865	8.24184	5.309994	5.731615	6.717005	1.171922
RBM28	1	7.312624	6.14297	4.703705	5.556844	5.419963	13.58333	16.92759	13.27335	6.732804	4.490613	5.827221	11.00154	1.887956
RBM3	1	39.1508	22.4057	11.30356	15.73556	72.44359	92.42574	67.24296	71.22314	66.10907	142.8929	32.20784	87.97876	2.731595
RBM33	1	5.804689	6.416114	9.903297	9.35371	4.959159	2.758014	5.627543	13.27241	11.94642	10.60733	7.287394	8.842343	1.213375
RBM34	1	3.406463	4.227244	2.48929	2.017017	4.991068	20.67406	9.660591	11.98389	5.423668	3.72488	3.426217	10.29342	3.00431
RBM38	1	1.165814	1.282584	2.776061	3.459768	1.48997	0.984046	0.87904	0.447087	1.360898	2.13802	2.034839	1.161818	0.570963
RBM39	1	54.4399	62.44303	45.98676	50.28809	61.92667	83.63119	73.04679	124.6863	101.5674	83.19402	55.01689	93.22514	1.694482
RBM4	1	15.2223	16.00992	20.25697	25.24362	47.13884	37.59785	22.27779	38.91974	20.33046	21.50965	24.77433	28.1271	1.135332
RBM41	1	1.604839	1.7925	1.985564	2.111961	1.444853	1.143478	1.307511	1.64866	2.168239	0.688863	1.787943	1.39135	0.778185
RBM42	1	21.76824	15.88792	20.45911	24.79316	53.59599	27.84588	18.78044	15.4413	17.25015	41.80793	27.30088	24.22514	0.887339
RBM43	1	1.636482	0.669386	0.92868	1.03419	0.996574	2.124202	1.793483	3.380184	2.198272	1.145986	1.053062	2.128426	2.021177
RBM44	1	0.021612	0.10983	0.0708	0.025889	0	0	0.034443	0.013964	0	0	0.045626	0.009681	0.212191
RBM45	1	10.86941	11.03939	9.999758	10.37506	12.70005	11.13278	13.08755	12.22616	14.29648	9.648927	10.99673	12.07838	1.098361
RBM46	1	0.019764	0.03348	0.021582	0.023675	0	0	0.020999	0	0	0.016427	0.0197	0.007485	0.379957
RBM47	1	0.150742	0.191513	0.194002	0.13543	0.080352	0.718448	0.39468	0.340887	0.848862	0.290856	0.150408	0.518747	3.448931
RBM48	1	6.981374	6.186724	4.386978	3.971137	7.052019	3.161047	5.104219	7.986826	7.334425	4.086399	5.715646	5.534583	0.968321
RBM4B	1	6.195274	6.388188	13.12275	11.3732	15.73026	19.48421	16.98518	30.55414	27.42381	23.6283	10.56194	23.61513	2.235871
RBM5	1	39.70763	37.71539	43.39296	39.10814	28.1153	63.96373	54.60274	104.5124	78.49726	67.05235	37.60788	73.72569	1.960379
RBM6	1	10.89317	9.879468	9.085442	8.676793	10.9605	11.33814	9.639405	16.71955	11.84847	11.68147	9.899074	12.24541	1.237026
RBM7	1	5.415926	4.931416	3.942723	3.317447	4.180834	6.925068	7.471532	9.72228	7.280555	6.913356	4.357669	7.662558	1.758408
RBM8A	1	52.47003	40.11383	32.04475	35.2312	51.97698	30.2973	16.83354	12.34163	36.2863	39.06045	42.36736	26.96385	0.63643
RBMS1	1	3.461465	2.276356	3.096746	2.581134	0.961962	4.72881	3.633409	2.604747	4.168202	1.779383	2.475533	3.38291	1.366538
RBMS2	1	2.781349	2.108443	2.997735	2.704352	2.664964	5.600169	1.698231	4.48098	5.368622	2.40934	2.651369	3.911468	1.475264
RBMS3	1	3.121718	2.897177	1.970977	1.982744	0.82338	0.732874	0.909264	0.497646	1.840051	0.598148	2.159199	0.915597	0.424045
RBMX2	0.258746	10.70111	13.24214	9.871339	11.3069	18.53011	2.145254	3.002874	2.341874	0.167301	0.215187	12.73032	1.574498	0.123681
RBMXL2	1	0	0.01357	0	0	0	0	0.051066	0.186327	0.062118	0.059923	0.002714	0.071887	26.48813
RBP1	1	12.04369	1.527544	4.090309	5.172556	8.964781	4.62845	1.547695	3.899184	7.933977	4.064665	6.359777	4.414794	0.694174
RBP2	1	0	0	0	0	0	0.453456	0.092061	0.111968	1.343811	0.072019	0	0.414663	#DIV/0!
RBP3	1	0	0	0.03187	0.040788	0	0	0	0	3.017571	0	0.014532	0.603514	41.53115
RBP4	1	41.78218	25.00525	24.49152	31.85039	66.01744	25.00547	15.27794	4.908349	41.37639	36.28145	37.82936	24.56992	0.649493

RBP5	1	0.067255	0.037976	0.257043	0.040282	0	0	0	0.043454	0.260762	3.717343	0.080511	0.804312	9.990079
RBP7	0.000241	0	0	0	0	0	0.740109	0.961649	0.219299	0.292441	1.081419	0	0.658983	#DIV/0!
RBPJ	1	6.591948	7.130757	9.028729	8.789578	5.302327	7.897902	8.325864	10.53819	8.43975	6.513267	7.368668	8.342994	1.132226
RBPJL	0.006331	0.253796	0.395799	0.343126	0.608041	0.75431	0	0.025681	0	0	0	0.471014	0.005136	0.010905
RBPMS	1	0.465692	0.124557	0.93676	0.866135	0.731637	2.212649	0.455724	0.443415	2.787586	1.741806	0.624956	1.528236	2.445349
RBPMS2	1	1.486449	1.447463	2.89644	3.646514	1.835711	2.375645	0.8133	0.437073	2.208691	1.701569	2.262516	1.507255	0.666186
RBSN	1	11.40277	10.38014	10.93041	11.69627	8.454095	6.150362	7.787929	5.812791	4.294759	5.010372	10.57274	5.811243	0.549644
RBX1	1	26.70045	26.86071	22.27694	25.53835	51.75446	31.48213	15.52228	15.95727	19.99221	25.93432	30.62618	21.77764	0.711079
RC3H1	1	3.634	4.548107	7.868179	4.833259	2.692803	2.424998	2.893796	8.117283	9.735995	5.79324	4.71527	5.793062	1.228575
RC3H2	1	9.224751	11.90044	11.0186	10.60122	6.311628	12.83317	14.99867	18.82538	20.60012	13.45824	9.811328	16.14312	1.645355
RCAN1	1	17.74132	19.56112	11.90808	15.05881	35.92594	24.10325	22.73376	14.99913	10.67709	10.72332	20.03905	16.64731	0.830743
RCAN2	1	79.50981	81.91956	72.5766	81.85469	82.82181	50.39922	97.99157	31.44816	79.85273	68.95073	79.73649	65.72848	0.824321
RCAN3	1	0.859593	0.998479	1.973865	1.197395	0.773108	2.249266	1.257739	2.392948	3.885138	2.633315	1.160488	2.483681	2.140204
RCBTB1	1	9.947771	12.1468	5.214425	5.401498	9.750726	11.38481	11.79291	9.608406	10.89807	7.36138	8.492243	10.20912	1.20217
RCBTB2	1	14.51152	12.8632	9.147526	10.74507	13.53121	16.98291	17.03325	11.64692	14.96485	9.77644	12.15971	14.08087	1.157995
RCC1	1	1.258308	1.095281	1.834689	1.567785	1.438256	1.396276	2.750456	3.960203	3.317735	1.851988	1.438864	2.655332	1.845437
RCC1L	1	3.063051	3.409706	3.76528	4.151449	7.575898	5.404384	6.527426	5.790195	4.298035	8.059613	4.393077	6.015931	1.369412
RCC2	1	9.276877	9.541646	18.07777	21.45153	13.83359	4.939418	7.378929	5.582992	4.879306	3.045658	14.43628	5.165261	0.357797
RCCD1	1	1.107312	1.066598	2.19309	1.163888	1.075276	2.073675	1.268765	1.332694	2.160681	1.867791	1.321233	1.740721	1.317498
RCE1	1	3.723026	3.441301	3.592095	3.604488	12.52504	17.68223	17.17715	64.58568	10.08474	17.4646	5.377189	25.39888	4.723449
RCHY1	1	11.21165	12.98255	8.456561	8.713359	13.41656	42.7034	51.8089	31.29394	19.33891	22.5832	10.95614	33.54567	3.061815
RCL1	1	1.710809	2.103762	1.992715	1.82925	1.994587	2.155406	1.750369	1.441078	1.670583	1.127041	1.926225	1.628895	0.845641
RCN1	1	14.85652	10.5234	14.17964	11.07178	13.1576	12.13218	6.970693	39.78598	36.77606	30.70374	12.75779	25.27373	1.981043
RCN2	1	38.19482	43.98474	25.01822	28.69665	22.06035	14.1461	46.01533	40.5653	46.85688	35.6801	31.59096	36.65274	1.160229
RCN3	1	3.235121	0.950541	2.238412	2.016544	1.476124	1.438339	0.620527	0.547534	1.953647	2.046439	1.983349	1.321297	0.666195
RCOR1	1	3.884541	4.291963	3.581348	3.04314	3.109521	2.286142	2.334953	5.054425	3.335364	2.569555	3.582103	3.116088	0.869905
RCOR2	1	3.258221	2.612118	2.550957	4.436905	2.919443	3.217234	3.494437	1.66825	5.124655	12.39095	3.155529	5.179105	1.64128
RCOR3	1	5.8902	6.836226	6.213572	4.801683	4.840635	7.241714	9.307051	25.22379	24.1196	20.93327	5.716464	17.36508	3.037732
RCSD1	1	2.266658	1.109025	1.437556	1.837699	2.362431	5.056004	3.045584	1.289594	1.180013	0.785356	1.802674	2.27131	1.259967
RCVRN	1	0	0	0.236635	0.129793	0	0	0.076747	0	23.24567	0.360232	0.073286	4.73653	64.6311
RD3	1	0	0.009352	0.03617	0.019839	0	0	0	0	0.235448	0.117007	0.013072	0.070491	5.39247
RD3L	1	0.05828	0	0	0.069814	0	0	0	0	0	0.314865	0.025619	0.062973	2.458073
RDH10	1	5.254605	3.358284	3.467977	3.544956	1.527779	4.003985	3.25157	4.924697	6.268709	4.847393	3.43072	4.659271	1.358103
RDH11	1	17.53554	17.07732	14.49248	13.64626	9.188851	23.27593	24.96324	17.47188	26.18098	16.23602	14.38809	21.62561	1.503022
RDH12	1	0.291099	0.090687	2.586837	1.551137	0.354114	0.105063	0.23463	0.752328	1.40109	0.066745	0.974775	0.511971	0.52522
RDH13	1	3.199186	2.878773	2.29649	2.320747	3.355017	2.067785	2.24798	1.614094	1.087201	1.642047	2.810043	1.731822	0.616297
RDH14	1	11.00775	8.891507	6.544054	9.822006	11.36339	15.74684	19.36811	15.58534	12.05528	13.29667	9.525741	15.21045	1.596773
RDH16	1	0.023403	0	0.089445	0.014017	0	0.428664	0.397841	0.287297	0.181477	0.126436	0.025373	0.284343	11.20656
RDH5	1	1.166672	1.288887	3.960425	3.220439	8.121385	1.791854	0.592833	0.917669	8.719121	0.590252	3.551562	2.522345	0.710207
RDH8	1	0	0	0	0.06232	0	0.707881	0.420089	0.053782	0.645476	0.24215	0.012464	0.413875	33.2057
RDM1	1	2.310992	2.095205	1.137378	2.105485	2.031539	0.681362	1.106646	1.009458	0.67307	11.30849	1.93612	2.955805	1.526664
RDX	1	39.9939	37.35655	28.47191	34.89595	23.04579	25.30411	32.49995	24.85159	23.6054	13.52508	32.75282	23.95723	0.731455
REC114	1	0.969624	0.572771	1.237994	1.036422	1.2549	1.09294	0.253588	0	0.154234	0.074393	1.014342	0.315031	0.310577
REC8	1	1.02432	0.581234	1.763211	1.124271	2.711203	3.353677	1.81207	4.95553	1.852073	1.845357	1.440848	2.763741	1.918136
RECK	1	2.617419	1.571064	2.811187	2.748836	0.739471	3.340015	2.582848	2.733628	5.078801	3.659629	2.097595	3.478984	1.658558
RECQL	1	5.032868	7.194491	3.506177	3.85388	4.615906	10.0687	7.229002	7.475002	13.89828	4.776208	4.840664	8.689438	1.795092

RECQL4	0.001453	0.062315	0.108266	0.188438	0.183747	0.143087	2.107214	0.570411	2.031713	3.023232	6.095806	0.137171	2.765675	20.16228
RECQL5	1	2.22991	1.323009	2.981004	3.667976	1.465768	3.934516	4.738447	6.951534	3.264017	3.700788	2.333533	4.51786	1.93606
REELD1	1	0.146863	0.013268	0.679977	0.161853	0	0	0.037449	0.045547	0.273323	0.039062	0.200392	0.079076	0.394607
REEP1	1	37.00364	32.77996	24.02138	24.24229	40.62188	34.0049	49.27085	30.6896	41.70733	32.83427	31.73383	37.70139	1.18805
REEP2	1	25.15577	19.51343	30.90083	37.2502	52.09442	33.42499	39.5624	30.80004	20.4532	46.31882	32.98293	34.11189	1.034229
REEP3	1	18.5641	22.56525	32.75874	36.7351	14.36753	30.23864	31.79386	34.25143	23.51289	17.44306	24.99814	27.44798	1.098001
REEP4	1	0.592869	0.61279	1.755664	2.660218	2.372374	3.838906	1.387933	1.454326	2.025963	4.042409	1.598783	2.549907	1.594905
REEP5	1	107.6067	102.9344	79.39128	80.65156	116.2735	29.25234	66.37199	57.03187	67.0569	35.4896	97.37151	51.04054	0.524183
REEP6	1	0.38794	0.386562	1.27087	1.025099	0.061926	4.000726	1.333514	1.00261	2.772325	3.03476	0.626479	2.428787	3.876882
REG3A	1	0	0	0	0	0	0.560996	0.273345	0	0.221667	0	0	0.211202	#DIV/0!
REG3G	1	0	0	0.100163	0	0	0.240016	0.097456	0	0	0	0.020033	0.067494	3.369235
REG4	0.042349	3.534283	0.697506	2.572912	0	3.103845	0	0	0	0	0	1.981709	0	0
REL	1	0.092365	0.579491	0.560338	0.700742	0.02785	1.718671	1.221241	0.37133	3.024126	1.023609	0.392157	1.471796	3.753078
RELA	1	4.17601	4.81687	11.10361	14.39198	11.77672	14.21901	6.39041	8.118544	6.618922	10.91404	9.253039	9.252186	0.999908
RELB	1	0.416571	0.490313	0.474108	0.702827	1.146357	3.285428	2.094538	0.439739	1.69855	1.892127	0.646035	1.882076	2.913272
RELL1	1	2.171812	3.317037	6.808937	5.180836	2.566832	7.55549	3.213303	8.620421	7.109665	4.04475	4.009091	6.108726	1.523719
RELL2	1	9.520142	10.76092	10.17864	12.79209	24.7317	10.63413	13.06395	8.760102	4.201885	13.68394	13.5967	10.0688	0.740533
RELN	1	7.867297	4.705526	32.31694	4.559966	2.818067	7.44531	10.41178	131.389	80.8934	105.3087	10.45356	67.08964	6.417875
RELT	1	1.048991	1.254024	4.36144	3.995817	2.703689	1.263323	1.156496	0.805377	0.975668	3.086258	2.672792	1.457424	0.545282
REM1	1	1.544596	0.634299	0.766667	1.429748	2.413302	3.551786	0.895142	1.814509	0.725909	0.87533	1.357722	1.572535	1.158216
REM2	1	0.362499	0.838237	1.84726	0.268812	0.421587	0	0.366805	0.669184	0	0.05739	0.747679	0.218676	0.292473
REN	1	0	0.007789	0.060252	0.033048	0	0	0	0.008913	0.017828	0.011465	0.020218	0.007641	0.377941
RENBP	1	1.385996	0.660549	2.693717	2.193392	1.966833	23.15755	12.24002	6.145313	2.892333	1.479625	1.780097	9.182969	5.158689
REP15	1	0.443551	0	0.25492	0.195752	0.19005	0	0	0.030167	0.181026	0.019403	0.216855	0.046119	0.212673
REPIN1	1	2.825901	3.438869	10.24547	8.766004	9.139546	1.68956	2.075035	3.522928	4.141588	8.076674	6.883158	3.901157	0.566768
REPS1	1	18.04078	18.75544	20.13336	17.88736	30.47946	21.53503	19.58935	25.06477	24.51746	18.20844	21.05928	21.78301	1.034366
REPS2	1	11.33993	13.23854	8.355516	7.244128	9.804354	9.949075	13.42162	13.65048	12.4184	9.244836	9.996494	11.73688	1.1741
RER1	1	24.2722	24.38996	22.59473	28.32956	54.4217	19.03514	25.59312	29.59106	26.33951	40.7955	30.80163	28.27087	0.917837
RERE	1	16.10943	15.6967	25.27164	26.25535	20.32765	11.53318	10.97526	11.85644	11.60677	14.93583	20.73215	12.18149	0.587565
RERG	1	1.701852	1.195856	8.953305	1.431577	0.389987	1.029178	1.848356	0.21503	1.72049	3.13081	2.734515	1.588773	0.581007
RERGL	1	2.6495	0.897629	0.489619	0.36621	1.106134	0.319978	0.043308	0	0.579487	0.101639	1.101818	0.208882	0.18958
RESP18	1	46.54154	40.65642	30.67284	35.87794	240.1899	1.719297	8.842683	12.31142	12.17168	35.81663	78.78773	14.17234	0.17988
REST	1	1.44613	1.117959	2.285268	1.816813	0.938009	2.042764	1.738842	1.877836	2.856671	0.476881	1.520836	1.798599	1.182639
RET	1	0.573867	1.1845	9.299718	1.190008	0.95531	3.003234	1.521736	2.243385	3.502682	9.587682	2.640681	3.971744	1.504061
RETN	1	0	0.073772	0.142667	0.234757	0.17727	0.170933	0	0.084414	0	0	0.125693	0.051069	0.406303
RETREG1	1	18.77404	21.66531	19.27912	20.10389	20.25978	7.162434	22.4444	11.09771	15.31795	11.86466	20.01643	13.57743	0.678314
RETREG2	1	42.26172	35.66283	61.72511	56.17186	107.7416	77.29359	75.70922	78.07241	45.52437	99.98199	60.71263	75.31632	1.240538
RETREG3	1	19.47454	18.68304	26.99099	26.37519	34.13362	11.91902	14.9242	25.33723	15.27029	18.49759	25.13147	17.18967	0.68399
RETSAT	1	3.817252	2.181951	6.143528	4.565628	2.820772	1.47522	1.160564	5.069334	3.400288	2.264872	3.905826	2.674055	0.684632
REV1	1	11.84769	10.51757	11.0026	10.79732	8.324744	6.620095	8.832116	21.05103	29.62156	20.83782	10.49799	17.39252	1.656749
REV3L	1	2.665069	3.304227	5.34937	3.04226	2.019005	7.787322	6.245795	12.28901	8.721105	8.8966	3.275986	8.787965	2.68254
REX1BD	1	21.90088	15.94999	15.65549	18.28606	39.93783	20.23077	5.821326	6.883444	8.182656	58.94879	22.34605	20.0134	0.895612
REXO1	1	6.628091	5.937396	7.195469	8.774535	10.22244	14.48667	7.98004	5.663281	6.184482	14.44838	7.751587	9.752571	1.258139
REXO2	1	15.73159	17.94186	14.60558	15.23355	39.44626	30.10251	23.81988	8.238942	12.36021	7.459412	20.59177	16.39619	0.79625
REXO4	1	2.82291	2.690786	3.85771	4.192327	3.016395	2.562994	4.8877	4.33757	1.849069	3.969973	3.316025	3.521461	1.061952
REXO5	1	3.416441	4.03064	3.070695	2.812188	3.539245	1.997693	4.542422	9.2571	12.92565	8.82031	3.373842	7.508635	2.225544

RFC1	1	7.776692	7.404477	6.012533	5.671538	4.3332	5.706689	7.184448	6.713212	8.368259	5.7529	6.239688	6.745102	1.081
RFC2	1	13.73582	11.56118	7.378986	7.499167	19.48667	54.0094	30.34214	14.70419	42.35805	77.31563	11.93236	43.74588	3.666154
RFC3	1	7.202983	6.740412	4.77732	3.724628	9.921665	6.950377	11.7866	29.11479	7.511983	5.973894	6.473402	12.26753	1.895067
RFC4	1	1.852003	3.004659	2.392641	2.062271	3.326891	10.78421	7.039403	6.640284	6.540114	7.067881	2.527693	7.614379	3.012383
RFC5	1	6.819119	7.346808	6.095921	5.831719	7.89351	13.08056	13.58348	13.6735	4.209575	7.043159	6.797415	10.31806	1.517938
RFESD	0.292844	0.638243	0.520557	0.542071	0.368115	0.962211	2.845298	2.988737	4.093208	2.74957	3.32045	0.606239	3.199453	5.277539
RFFL	1	5.703252	7.664984	25.72551	31.1721	16.12791	10.47223	9.25096	7.120696	8.15178	6.367958	17.27875	8.272725	0.47878
RFK	1	25.09363	29.37048	13.81323	14.36998	29.64617	22.71074	27.94747	20.91378	33.26041	21.15883	22.4587	25.19825	1.121982
RFLNB	1	3.354241	1.777804	8.360093	6.024172	2.739782	3.555843	3.090996	9.386097	37.82195	29.48608	4.451218	16.66819	3.744636
RFNG	1	13.97211	11.82015	25.79179	27.47723	59.75407	10.9035	5.266569	5.25702	5.104645	12.0153	27.76307	7.709407	0.277686
RFT1	1	3.563979	2.298677	3.040723	2.855243	1.375771	1.900787	3.826835	4.00899	5.711197	3.471694	2.626879	3.783901	1.440455
RFTN1	1	1.47055	1.68904	1.677059	2.483022	2.465176	1.786072	0.287955	3.229821	0.726491	3.137027	1.95697	1.833473	0.936894
RFTN2	1	7.598712	4.741838	8.86672	12.80645	8.983548	12.62348	12.9618	17.84263	19.55149	9.620144	8.599454	14.51991	1.688469
RFWD3	1	2.938185	2.344798	2.378524	2.24318	2.402612	10.23049	7.392299	12.09909	3.989737	2.396536	2.46146	7.221631	2.933881
RFX1	1	1.134261	1.264916	2.461699	2.116638	1.774666	0.704895	0.659052	1.12677	0.815423	1.411194	1.750436	0.943467	0.53899
RFX2	1	0.68112	0.27148	0.517722	0.331963	0.253693	0.297044	0.63144	0.707578	0.845765	0.271962	0.411196	0.550758	1.339405
RFX3	1	2.283039	2.125103	1.38334	1.471472	0.95956	4.19182	2.767063	4.024976	6.493355	2.394665	1.644503	3.974376	2.416764
RFX4	1	4.74299	3.601227	13.97517	11.56666	4.793465	3.866573	6.270937	8.175649	11.28294	5.823327	7.735902	7.083885	0.915716
RFX5	1	2.859897	2.419758	4.12502	3.329801	2.26055	6.434316	6.247524	9.820449	8.106216	8.938009	2.999005	7.909303	2.637309
RFX6	1	0	0.052408	0	0.011118	0	0.048573	0.019722	0	0.047981	0	0.012705	0.023255	1.830383
RFX7	1	5.011964	6.862901	7.467239	5.543538	1.557396	3.041626	5.684225	12.09211	15.1739	6.051596	5.288608	8.408691	1.589963
RFX8	1	0	0.041895	0	0	0.050336	0.776585	0.098539	0.191756	0.767134	0	0.018446	0.366803	19.88501
RFXANK	1	5.989809	7.499841	10.39992	13.14806	29.5534	17.4893	9.23407	11.12044	2.759817	5.715104	13.31821	9.263747	0.69557
RFXAP	1	9.118082	7.684938	5.034417	5.929354	8.20498	2.437538	3.019553	3.754104	4.203576	4.540627	7.194354	3.59108	0.499152
RGCC	1	10.22721	10.35269	14.37615	19.17856	62.82336	70.45488	30.42523	12.35079	29.22324	54.92881	23.39159	39.47659	1.68764
RGL1	1	15.93241	11.56693	11.47299	13.12143	8.704394	22.27754	21.12887	6.642824	10.17501	10.43011	12.15963	14.13087	1.162113
RGL2	1	9.331151	8.930798	15.62778	14.65779	35.34639	26.34976	21.94091	29.33739	21.52586	16.64111	16.77878	23.15901	1.380255
RGL3	1	0.173718	0.065394	0.51991	0.601167	0.261897	0.404056	0.369143	0.166283	6.319688	7.647264	0.324417	2.981287	9.18967
RGMA	1	4.898868	5.449272	12.8239	17.61852	5.894763	2.457163	3.269606	2.222227	5.58562	8.369241	9.337065	4.380771	0.469181
RGMB	1	14.8564	12.07073	15.86142	25.88479	23.19352	5.092781	5.796849	12.43087	9.257501	5.701694	18.37337	7.655939	0.416687
RGN	1	3.594926	2.988591	2.983033	2.886043	7.82495	1.737388	0.886854	1.176682	3.677665	1.955198	4.055509	1.886757	0.465233
RGP1	1	8.271504	9.306673	11.8473	12.71677	22.59762	11.79119	15.56008	23.23954	3.803864	12.40874	12.94797	13.36068	1.031875
RGR	1	5.900975	3.01198	8.591665	7.667787	11.6104	0.639735	0.094458	0	7.525939	0.110841	7.356562	1.674194	0.227578
RGS1	1	2.937558	2.389787	2.006748	4.035875	6.271469	12.16742	2.337113	1.76306	4.534242	0.023143	3.528287	4.164995	1.180458
RGS10	1	3.604889	4.057675	4.827013	5.181929	4.650689	10.63894	3.390584	9.65264	4.704819	0.962734	4.464439	5.869944	1.314822
RGS11	0.00155	3.41177	5.189912	12.0112	12.04809	14.25271	3.013368	0.960547	3.908083	3.978201	2.862587	9.382736	2.944557	0.313827
RGS12	1	1.53105	0.723885	2.059752	2.680137	0.409937	3.610961	2.299072	1.213453	1.245289	0.984112	1.480952	1.870577	1.263091
RGS13	1	0.050082	0.01414	0	0.037496	0	0	0	0	0	0	0.020344	0	0
RGS14	1	3.664562	2.18218	3.392186	6.836919	1.671691	20.03204	4.329846	0.027215	0.408286	0.087525	3.549508	4.976982	1.402161
RGS16	1	1.817505	0.950734	19.98426	24.55215	0.704587	0.370582	0.284224	0.345684	6.711315	5.127053	9.601848	2.567772	0.267425
RGS17	1	3.348188	4.804282	2.342617	2.051276	2.151919	2.866898	6.426864	1.915783	2.435923	4.244404	2.939656	3.577975	1.21714
RGS18	1	0.038407	0.012392	0.011983	0.05258	0.029778	1.981235	0.524651	0.39704	1.219657	0.036483	0.029028	0.831813	28.65568
RGS19	1	1.712022	1.160038	2.561207	2.871149	1.974492	2.284691	0.509314	0.508832	0.840801	3.799345	2.055782	1.588597	0.772746
RGS2_1	1	2.428806	0.031894	0.061679	0	12.99036	6.429267	4.350918	2.737112	0	0.657265	3.102548	2.834913	0.913737
RGS2_2	1	2.557887	4.905477	2.491199	2.608606	2.845293	9.647755	6.439212	4.020028	1.369987	1.474814	3.081692	4.590359	1.489558
RGS20	1	1.442778	1.524444	0.879026	1.068131	2.285281	0.842548	1.250017	1.24826	1.280453	1.00876	1.439932	1.126008	0.781987

RGS21	0.013789	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
RGS22	0.66268	0.056984	0.24132	0.352609	0.517642	0.077318	2.311162	2.885919	1.079988	8.469323	1.776111	0.249174	3.304501	13.2618
RGS3	1	0.639214	0.530287	1.195417	1.387709	0.763027	2.285733	2.997414	1.557541	1.303389	6.9146	0.903131	3.011735	3.334773
RGS4	1	166.3549	160.1887	27.31674	42.50035	150.1042	162.4485	280.8296	4.528912	2.954068	0.728258	109.293	90.29786	0.8262
RGS5	1	31.74084	28.75202	36.74695	28.69676	25.73463	42.1757	9.887815	6.104417	6.265369	4.808747	30.33424	13.84841	0.456527
RGS6	1	2.970034	3.112528	1.775095	1.467037	2.424542	1.886927	2.636148	0.653872	0.909867	0.377908	2.349847	1.292944	0.550225
RGS7	1	34.93425	35.34406	15.46254	14.96991	34.75534	24.89338	53.23415	38.38559	31.98428	39.33172	27.09322	37.56582	1.38654
RGS7BP	1	13.9769	16.3597	16.09723	12.08254	3.777694	17.0424	32.68476	8.994489	16.44946	7.138677	12.45881	16.46196	1.32131
RGS8	1	2.6019	1.254952	27.127	23.49946	1.24839	3.220458	2.831105	11.16369	13.45088	7.716879	11.14634	7.676603	0.688711
RGS9	0.030156	3.513184	4.269697	7.811823	5.684168	7.262618	0.355708	1.281836	2.547126	2.569458	2.937697	5.708298	1.938365	0.33957
RGS9BP	1	0.157823	0.23764	0.172339	0.567164	0	0	0	0	3.807465	2.273732	0.226993	1.216239	5.358046
RGSL1	1	0.310023	0.285617	0.463264	0.342056	0.697394	0.085392	0.043341	0.021085	0.189794	0.31193	0.419671	0.130309	0.310502
RHAG	1	0	0.029074	0.028113	0.01542	0	0	0	0	0	0	0.014521	0	0
RHBDD1	1	1.488642	1.091541	1.617864	1.926908	1.34018	4.13527	3.028363	2.662121	1.094181	1.032069	1.493027	2.390401	1.601043
RHBDD2	1	60.29027	46.43673	56.53904	77.61993	67.81558	102.4095	39.92643	17.71192	16.72915	33.40282	61.74031	42.03596	0.680851
RHBDD3	1	1.827688	1.982709	3.169088	4.159815	4.704243	0.89852	0.965052	1.646088	1.28843	1.786109	3.168709	1.31684	0.415576
RHBDF1	1	0.523866	0.346803	0.940268	0.908844	0.76799	2.300389	0.812499	0.575797	0.793781	0.99596	0.697554	1.095685	1.570753
RHBDF2	1	0.214352	0.082406	0.597621	0.349645	0.445543	0.071603	0.174442	0.165015	0.141462	0.644417	0.337913	0.239388	0.708429
RHBDL1	1	5.657682	4.887144	9.103459	11.36657	22.59751	4.362842	1.512738	1.646181	2.227509	5.356464	10.72247	3.021147	0.281758
RHBDL2	1	0.273047	0.710554	0.803741	0.839034	4.155817	0.62128	1.917219	0.582948	0.490975	0.098673	1.356439	0.742219	0.547182
RHBDL3	1	0.936814	1.138555	1.636771	2.693287	0.338961	2.054445	0.853149	0.415053	0.184495	0.800895	1.348877	0.861607	0.638759
RHBG	1	0.081391	0.045957	0.133315	0.097497	0.248476	0.053243	0.064857	0.052587	0.94671	0.236772	0.121327	0.270834	2.232258
RHCG	1	0.023215	0.032771	0.164777	0.041714	0.031499	2.551318	1.134603	5.699779	0.030003	0.241194	0.058795	1.931379	32.84939
RHEB	1	40.19485	31.2527	17.10496	20.34109	128.4701	86.75647	55.89463	34.85856	35.41923	34.14558	47.47273	49.41489	1.040911
RHEBL1	1	0.579146	0.478846	0.383967	0.619425	2.160967	3.680332	3.186521	0.13364	0	0.051575	0.84447	1.410414	1.670176
RHEX	1	0.054596	0.231207	0.119235	0.294299	0.296309	0	0	0	0	0.022689	0.199129	0.004538	0.022788
RHNO1	1	2.762592	2.182529	1.579558	1.67595	4.054045	2.109685	1.788825	1.041854	2.08401	3.547737	2.450935	2.114422	0.8627
RHO	9.73E-07	0.015363	0	0.033551	0.036806	0	2.210944	2.38308	8.099612	95.42255	0.829982	0.017144	21.78923	1270.955
RHOA	1	101.6975	71.30827	86.63194	88.88832	82.58847	216.9016	135.8738	131.8535	131.8102	127.2742	86.2229	148.7427	1.725095
RHOB	1	56.94519	69.14845	95.65623	113.3415	84.98027	98.19768	48.22193	47.28793	73.0481	71.44082	84.01432	67.63929	0.805092
RHOBTB1	1	5.981704	3.568601	5.171634	8.834047	3.272396	3.165829	4.160827	3.301703	1.933989	0.628504	5.365677	2.63817	0.491675
RHOBTB2	1	32.10995	26.74304	19.25566	27.41188	26.69814	11.52108	20.91768	10.05211	3.304122	1.670883	26.44373	9.493173	0.358995
RHOBTB3	1	11.24936	9.367466	10.84013	12.4425	9.213595	6.251556	9.033693	10.94584	5.481973	1.640648	10.62261	6.670742	0.627976
RHOC	1	12.74417	11.86714	17.49721	22.22967	29.60326	32.71341	10.472	5.48943	14.78509	25.7225	18.78829	17.83649	0.949341
RHOD	1	0.340168	0	1.564031	0.171573	0.534429	0.374782	0.304354	1.341855	0.647886	1.339279	0.52204	0.801631	1.535573
RHOF	1	3.969539	4.275924	7.639836	7.861895	9.705179	1.977515	1.893835	6.091309	5.13027	4.105151	6.690474	3.839616	0.573893
RHOG	1	4.317959	6.19239	21.86253	26.57819	17.15056	11.96327	5.42907	2.896069	2.93511	4.669353	15.22033	5.578575	0.366521
RHOH	1	0.055631	0.012565	0.072897	0.059976	0.030193	0.494926	0.118212	0.014377	0.115036	0.027743	0.046252	0.154059	3.330852
RHOJ	1	3.356839	1.256066	2.6047	1.717612	1.436406	8.871383	1.808195	1.991396	3.914096	1.503643	2.074325	3.617742	1.744058
RHOQ	1	14.67648	10.23502	3.173852	2.903262	8.492089	27.31126	23.61947	11.03957	4.96853	2.531567	7.896141	13.89408	1.759604
RHOT1	1	11.64543	12.75972	8.817646	10.01117	13.68782	7.989345	17.35485	16.78637	15.37951	8.919361	11.38436	13.28589	1.16703
RHOT2	1	5.051634	4.469771	6.838487	8.008642	7.172216	21.80359	14.88439	17.56457	13.52871	18.40741	6.30815	17.23773	2.732613
RHOU	1	9.339275	8.412866	15.89714	27.52328	12.66261	17.20817	24.19439	7.863422	5.078464	3.606244	14.76703	11.59014	0.784866
RHOV	0.000118	0.13399	0.100877	0.1707	0.133754	0.121201	2.804847	3.725103	3.607173	1.443079	2.580019	0.132104	2.832044	21.43793
RHPN1	1	0.514881	0.239967	0.999537	1.047534	0.620985	0.641557	0.486265	0.359072	0.506999	0.176615	0.684581	0.434102	0.634113
RHPN2	1	4.605844	4.683285	14.43132	15.38138	6.305965	8.450394	9.584606	24.57704	11.55104	8.934175	9.08156	12.61945	1.389569

RIBC1	1	0.5684	0.28083	1.318948	0.922029	1.349644	0.185914	0.075489	0.122416	2.754771	2.854296	0.88797	1.198577	1.349794
RIBC2	1	0	0	0.692752	0.332475	0	0.691671	0.056169	0	0	0.065912	0.205046	0.16275	0.793728
RIC1	1	4.008969	3.674013	3.870633	3.709537	2.691794	4.702222	6.031515	5.844458	8.068372	5.385294	3.590989	6.006372	1.672623
RIC3	1	10.50065	10.36574	7.689335	7.521	8.522145	0.870893	2.717814	8.091734	7.251052	6.66292	8.919774	5.118883	0.57388
RIC8A	1	5.394332	4.185812	4.336568	4.955397	3.188127	8.09673	7.172968	15.05323	5.175301	19.7498	4.412047	11.04961	2.504417
RIC8B	1	7.796023	7.901015	7.323642	7.37959	7.296043	6.389398	10.24458	12.73201	12.58925	9.775766	7.539263	10.3462	1.372309
RICTOR	1	3.497538	5.502957	8.0056	7.665442	4.504547	4.158583	7.204786	15.92595	11.80055	8.763979	5.835217	9.570769	1.640174
RIDA	1	11.87507	15.98955	17.39619	19.56495	32.22504	14.62824	7.725464	9.018269	26.44484	17.73593	19.41016	15.11055	0.778487
RIF1	1	3.965016	5.602443	8.518922	5.159123	1.916967	2.286875	4.107341	5.650251	3.97065	2.965808	5.032494	3.796185	0.754335
RIIAD1	1	0.288937	0.448659	0.315513	0.281219	0.980099	19.94082	9.056142	1.633494	1.213629	3.242086	0.462885	7.017234	15.15977
RILP	1	1.082094	0.814676	4.422142	3.004904	0.912078	0.858023	0.749045	0.275424	0.339032	3.107019	2.047179	1.065709	0.520574
RILPL1	1	24.1774	23.16028	19.81666	26.19289	33.12845	22.47287	25.03235	12.90523	8.462979	22.3997	25.29514	18.25462	0.721665
RILPL2	1	6.62183	4.438954	6.750036	9.036122	7.170084	3.499563	1.975493	0.90627	2.276543	2.39946	6.803405	2.211466	0.325053
RIMBP2	1	13.24602	9.535835	4.96088	7.502703	8.212818	6.87067	11.60605	1.424731	2.311948	0.736062	8.691652	4.589891	0.52808
RIMBP3B	0.120605	0.209307	0.228359	0.441623	0.624694	0.173285	0.037131	0.015077	0	0	0	0.335454	0.010442	0.031127
RIMKLA	1	10.74547	11.23478	14.5097	12.35582	9.154783	4.306658	6.06088	5.667791	2.917834	2.42799	11.60011	4.276231	0.368637
RIMKLB	1	4.618536	4.126112	4.261091	2.86742	3.424368	6.898546	4.455354	8.539578	6.774446	5.618583	3.859505	6.457302	1.67309
RIMS1	1	51.33539	37.4294	24.00213	24.27848	23.0326	130.625	55.86192	34.77301	37.42559	45.90859	32.0156	60.91882	1.902786
RIMS2	1	5.97319	7.341327	5.283452	5.721103	4.034789	20.99378	15.44724	12.46843	8.515722	4.687309	5.670772	12.4225	2.190618
RIMS3	1	27.06907	31.98186	31.86175	36.29877	36.88257	27.17182	36.2729	20.69232	13.86814	23.20348	32.8188	24.24173	0.738654
RIMS4	1	10.8081	13.80459	15.59469	20.93955	29.56428	24.15212	12.69292	12.74673	12.3109	23.6142	18.14224	17.10337	0.942738
RIN1	1	0.392697	0.373082	0.789568	1.635232	0.152236	3.262081	1.019897	0.547725	0.354462	0.455919	0.668563	1.128017	1.687226
RIN2	1	6.871745	5.550179	8.836905	12.62634	9.503132	7.574433	6.585659	3.68366	4.359225	2.698872	8.67766	4.98037	0.57393
RIN3	1	0.51187	0.37544	1.014181	1.295866	0.229121	3.507273	0.852217	0.163658	0.900248	1.307051	0.685296	1.346089	1.964246
RING1	1	12.92782	13.21979	22.4367	29.65519	41.47133	31.73532	21.68885	33.78437	23.4257	40.06363	23.94217	30.13957	1.258849
RINL	1	0.543277	0.854277	1.351704	2.356018	0.242602	0.46786	0.306875	0.319914	0.462166	0.148613	1.069576	0.341086	0.318898
RINT1	1	8.295442	9.78564	4.731104	4.474516	10.05925	8.384866	11.50313	16.1222	12.08116	4.223616	7.46919	10.463	1.400821
RIOK1	0.753469	5.679646	5.119857	5.756555	5.224889	3.433336	1.8952	1.495227	1.196571	1.93138	1.089693	5.042857	1.521614	0.301737
RIOK2	1	13.33031	13.93175	7.278219	7.250664	10.37826	6.51391	14.35509	13.61973	14.47793	5.673346	10.43384	10.928	1.047361
RIOK3	1	14.52049	17.4751	11.49834	10.5956	11.48704	10.20707	11.18765	14.21293	14.50799	8.927451	13.11531	11.80862	0.900369
RIOX1	1	3.825179	3.904758	0	0	6.452056	1.844835	2.645686	2.229187	0.077548	0	2.836399	1.359451	0.479288
RIOX2	1	7.128623	5.830812	4.667183	5.334748	9.227906	6.000048	4.342196	3.426694	3.265913	2.54117	6.437855	3.915204	0.608154
RIPK1	1	2.560563	2.49181	3.003409	3.393066	3.676174	3.356779	2.344347	6.988958	4.642299	3.045238	3.025004	4.075524	1.347279
RIPK2	1	3.48148	3.115651	3.117009	3.025896	7.308514	17.25092	6.661979	10.44843	3.025391	1.419546	4.00971	7.761253	1.935615
RIPK3	1	0.643041	0.184429	0.579584	0.403488	1.135636	2.083247	0.498855	5.777091	0.158299	0	0.589236	1.703498	2.891031
RIPK4	1	0.030146	0	0.087783	0.048149	0	0	0	0.155821	0.311687	1.461615	0.033216	0.385824	11.61577
RIPOR1	1	7.871124	6.986546	12.133	13.661	9.263936	9.699925	9.952028	10.56293	6.499235	10.60632	9.983122	9.464088	0.948009
RIPOR2	1	5.575134	4.009745	4.698166	8.580756	3.935089	4.980635	5.498627	2.248617	5.342153	3.992614	5.359778	4.412529	0.823267
RIPOR3	1	1.319481	1.610555	0.974945	1.765159	1.918965	2.170821	2.014729	1.990941	0.081692	0.078805	1.517821	1.267398	0.835011
RIPPLY1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
RIPPLY2	1	2.092651	1.735039	2.487614	2.379848	2.515909	8.17899	8.443249	25.53557	20.40404	27.6093	2.242212	18.03423	8.043051
RIPPLY3	1	0.206383	0.019422	0.638538	0.123613	0	0	0.219277	0	0	0.228719	0.197591	0.089599	0.453457
RIT1	1	6.502147	5.735666	5.448579	5.81659	6.285447	12.61806	8.159583	14.10707	17.08098	10.23351	5.957686	12.43984	2.088032
RITA1	1	8.912107	6.777897	6.993733	11.80968	16.01371	12.85893	5.071473	18.06191	12.7545	19.70297	10.10143	13.68996	1.35525
RLBP1	1	5.619668	3.475368	4.595784	6.105216	14.39171	1.464112	1.111439	1.540394	3.395647	0.040441	6.837549	1.510407	0.220899
RLF	1	4.751206	6.63006	5.849144	4.879413	2.882495	4.165219	6.43705	8.955228	7.14958	5.684612	4.998463	6.478338	1.296066

RLIM	1	12.88373	15.32797	11.22916	10.29268	8.412782	8.093453	13.58296	13.19037	16.92041	12.06678	11.62927	12.77079	1.09816
RLN3	1	0	0	0.670573	0.224771	0	0	0	0	0	0.226849	0.179069	0.04537	0.253365
RMC1	1	8.772751	8.847534	6.33522	5.685255	8.890255	15.13989	12.5773	10.16431	16.37036	9.384223	7.706203	12.72722	1.651555
RMDN1	1	11.26322	10.25969	9.427461	6.761979	19.71565	19.32365	8.495358	5.011715	11.19217	9.052501	11.4856	10.61508	0.924208
RMDN2	1	1.545142	1.792099	1.227102	1.15057	1.462917	1.589432	2.436294	2.158558	0.961679	0.48594	1.435566	1.526381	1.063261
RMDN3	1	5.454463	5.366326	6.748123	7.176395	10.08642	13.52131	7.994528	5.974523	7.107983	10.90066	6.966346	9.099801	1.306252
RMI1	1	1.74302	1.612492	0.856856	1.11717	1.151952	4.17381	2.378105	3.391019	4.854518	1.368552	1.296298	3.233201	2.49418
RMI2	1	2.137135	2.720649	2.121554	2.125626	5.623739	0.54227	0.770645	2.008474	0.334794	0.559808	2.94574	0.843198	0.286243
RMND1	1	4.736497	6.147218	2.783277	3.121219	6.398645	4.428293	4.418433	3.146977	4.987884	3.65378	4.637371	4.127073	0.88996
RMND5A	1	23.46041	32.21055	33.86407	23.04517	28.83564	25.31835	28.26291	178.4905	119.3972	79.76646	28.28317	86.24709	3.049414
RMND5B	1	9.068379	7.846236	7.776578	8.01934	23.60697	20.56631	16.53239	10.56803	8.567897	10.45482	11.2635	13.33789	1.184169
RMRP	1	0.267343	0.150956	0	0	0.362741	0	0	0.172734	0.691035	1.444346	0.156208	0.461623	2.955176
RN18S1	1	997.5323	962.2893	662.0576	701.795	1428.195	2496.4	348.2226	393.3404	520.514	1505.042	950.3738	1052.704	1.107673
RN7SL1	0.2567	8.919348	7.164365	1.371796	1.881062	24.54508	0.328717	0	0	0.649434	0.20883	8.776331	0.237396	0.02705
RNASE1_1	1	0.110606	0	0	0	0	1.620743	0.705096	0.228684	1.715377	0.330955	0.022121	0.920171	41.59684
RNASE1_2	0.12437	0.020526	0	0.044827	0.09835	0	3.86701	4.53604	4.24377	1.167206	0.238842	0.03274	2.810574	85.84406
RNASE10	1.41E-09	4.515499	3.737853	6.443614	3.964871	3.261525	0.039189	0.071606	0.009677	0.019356	0.217844	4.384672	0.071534	0.016315
RNASE11	1	0.00515	0	0	0	0	0	0	0	0	0	0.00103	0	0
RNASE12	1	0.083984	0.011855	0	0	0	0.109879	0	0	0	0	0.019168	0.021976	1.14649
RNASE13	1	0.459991	0.224636	1.16751	0.81412	0.708474	0.043374	0.04403	0.05355	0.792662	0.909323	0.674946	0.368588	0.5461
RNASE2	1	0	0	0	0	0	0	0	0	0	0.47184	0	0.094368	#DIV/0!
RNASE4	1	3.263296	1.804401	4.790704	5.385126	5.144282	5.8816	2.560815	1.819742	3.710014	0.382654	4.077562	2.870965	0.704089
RNASE6	1	9.073909	7.094228	10.56437	11.37514	14.4482	26.41928	1.759144	1.803923	1.090903	0.080951	10.51117	6.230839	0.592783
RNASEH1	1	7.372837	8.217111	6.738459	7.372752	10.41145	3.004759	4.093464	2.454642	2.857231	2.809808	8.022522	3.043981	0.379429
RNASEH2A	1	9.360587	7.154693	9.924565	11.69775	15.30214	11.69995	10.16389	13.25325	7.544994	13.43203	10.68795	11.21882	1.049671
RNASEH2B	1	10.83185	11.1399	5.096751	5.52845	16.79916	13.4789	10.54316	6.267888	8.347135	10.92105	9.879222	9.911627	1.00328
RNASEH2C	1	11.59132	10.43898	15.50944	18.91196	29.62348	12.43939	6.360405	8.190807	5.613036	5.707423	17.21504	7.662211	0.445088
RNASEK	1	60.35517	72.9111	91.5269	105.7115	262.5385	213.7804	91.18542	72.08703	85.99843	120.6189	118.6086	116.734	0.984195
RNASEL	1	1.682778	0.686881	2.804309	2.064362	0.256751	2.33426	7.769146	14.46188	3.633464	1.539098	1.499016	5.947569	3.967648
RNASET2	1	1.557968	1.671889	4.079664	4.902468	1.850983	4.015833	5.698851	7.972831	6.090687	4.818949	2.812595	5.71943	2.033507
RND1	1	24.82916	24.00419	10.3552	14.46268	71.39512	41.15445	66.62053	9.534273	3.407728	8.151058	29.00927	25.77361	0.888461
RND2	1	11.27264	9.528842	26.23409	27.24677	36.26231	46.71095	22.98254	16.81646	37.88568	82.29742	22.10893	41.33861	1.86977
RND3	1	8.072424	5.141897	3.528962	3.53497	4.979459	6.879697	8.394882	5.94561	5.203165	2.447072	5.051542	5.774085	1.143034
RNF10	1	71.0757	61.7939	60.59711	72.83528	88.28499	131.1539	79.60315	68.77208	58.28021	76.61669	70.9174	82.88521	1.168757
RNF103	1	19.66477	19.97161	18.28456	16.18702	16.55983	10.10249	19.80395	59.15583	56.36797	36.10998	18.13356	36.30805	2.002257
RNF11	1	94.81773	86.12022	65.42223	72.6319	80.62364	205.4497	226.2891	133.0385	160.336	135.1382	79.92314	172.0503	2.152697
RNF111	1	9.934714	10.52298	8.441076	7.32448	3.047438	5.822916	10.77498	14.64512	12.5726	10.74837	7.854139	10.9128	1.389433
RNF112	1	4.541209	5.284787	20.70585	6.221849	13.39694	2.114801	2.540064	2.556175	5.303009	9.841421	10.03013	4.471094	0.445766
RNF113A	1	7.806802	6.541102	6.303754	7.437286	12.35359	10.28992	7.7594	10.38851	5.507963	6.681969	8.088507	8.125552	1.00458
RNF114	1	13.49575	9.694063	18.47544	21.1486	29.29843	10.42388	11.37492	19.14323	12.92978	19.70656	18.42246	14.71568	0.79879
RNF115	1	13.90818	18.36687	16.31506	12.8143	24.23471	17.64766	21.54849	13.73996	12.55335	9.467948	17.12782	14.99148	0.875271
RNF121	1	2.663574	2.283646	3.326052	3.73949	3.575448	4.464562	6.801352	12.00387	4.981924	4.16513	3.117642	6.483368	2.079574
RNF122	1	1.39494	1.241473	7.606148	4.72525	5.465027	3.722607	1.354492	7.425162	5.301048	8.123673	4.086567	5.185396	1.268888
RNF123	1	5.776813	5.604399	10.98139	9.180594	8.244484	19.09902	17.02123	20.88727	15.80278	22.80969	7.957536	19.124	2.403257
RNF125	1	1.140697	2.101792	3.563317	3.731252	1.427944	1.774258	3.226894	3.011955	1.022388	0.205473	2.393	1.848194	0.772333
RNF126	1	6.721578	7.020173	10.17022	11.81448	17.28642	5.556157	3.796357	2.535714	6.359135	18.20868	10.60257	7.291208	0.687683

RNF128	1	5.357152	6.827869	5.5692	5.290269	5.510875	3.49774	7.199467	6.617022	6.166155	4.751812	5.711073	5.646439	0.988683
RNF13	1	17.25025	20.64758	29.24989	32.41694	24.04956	41.49341	49.50336	43.90979	38.57502	21.11872	24.72284	38.92006	1.574255
RNF130	1	21.8543	31.88187	58.79207	87.89136	59.14238	101.1156	57.69278	49.08145	57.18808	41.85422	51.91239	61.38644	1.182501
RNF133	1	0.009691	0	0	0	0.026298	0	0	0	0	0	0.007198	0	0
RNF135	1.67E-06	5.446055	4.015759	5.439742	6.475826	11.43184	0.628698	0.323352	0.310478	0.041403	0.146448	6.561844	0.290076	0.044206
RNF138	1	2.423055	2.378155	1.876204	2.327328	2.247583	3.020298	7.030548	10.86215	7.902968	4.965334	2.250465	6.756261	3.002162
RNF139	1	9.010032	8.655582	6.9233	7.366961	9.386302	7.668264	16.69088	13.4727	10.45196	6.534437	8.268435	10.96365	1.325964
RNF14	1	12.93903	14.35437	10.75264	9.745011	9.673938	11.37575	15.05804	9.985706	11.6868	10.23506	11.493	11.66827	1.015251
RNF141	1	22.36318	18.15081	14.90161	15.76897	13.14273	22.48727	33.1474	29.71577	20.82525	14.86851	16.86546	24.20884	1.435409
RNF144A	1	9.564077	9.6843	8.062588	10.44861	9.525717	10.20032	6.156122	9.039749	8.879328	8.113167	9.457059	8.477736	0.896445
RNF144B	1	5.066001	4.587775	5.545177	4.151899	3.77317	14.4266	5.352525	3.385169	6.646314	6.518701	4.624805	7.265862	1.571064
RNF145	1	23.73287	21.67021	18.085	19.54251	22.85717	15.81318	36.81007	31.49764	37.42814	26.03707	21.17755	29.51722	1.393798
RNF146	1	36.3758	33.05454	33.9046	42.44482	63.78556	34.64447	34.00066	29.3942	37.74061	23.52818	41.91306	31.86162	0.760184
RNF148	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
RNF149	1	4.557527	5.849548	5.132827	3.414664	6.685822	1.914244	3.26093	4.563691	3.89057	3.725164	5.128078	3.47092	0.676846
RNF150	1	8.448621	8.595	6.329786	8.464612	4.28318	2.450809	4.349089	2.662693	1.309124	1.888544	7.22424	2.532052	0.350494
RNF151	1	0	0.163358	0	0.02888	0	0.12617	0.922146	0.934624	0	0	0.038448	0.396588	10.31501
RNF152	1	3.936528	5.241956	15.14929	5.151782	3.639246	2.732702	3.111768	13.35085	15.40974	9.40094	6.623761	8.8012	1.328732
RNF157	1	39.34319	35.73887	43.01963	59.77072	54.89517	27.17424	19.70535	8.9437	9.686865	19.68187	46.55352	17.03841	0.365996
RNF165	1	7.861031	6.730776	4.283445	6.205448	5.571751	2.899266	5.300294	4.654991	5.022149	6.839351	6.13049	4.94321	0.806332
RNF166	1	3.123598	3.039416	2.874602	5.118417	5.730912	8.584647	3.485725	5.077209	6.702891	12.63826	3.977389	7.297746	1.834808
RNF167	1	13.05046	9.696023	13.09363	13.43503	18.15999	39.02703	31.29705	35.47797	20.08766	34.53131	13.48703	32.0842	2.378894
RNF168	1	6.923956	7.707273	4.798055	5.062395	4.098739	1.610163	3.090661	3.404108	6.322835	4.062078	5.718084	3.697969	0.646715
RNF169	1	2.816474	3.280985	3.549799	3.239829	2.151822	2.737834	3.006416	4.787484	3.010686	3.834142	3.007782	3.475312	1.15544
RNF17	0.007107	0	0.00789	0.015259	0.016739	0	0.402214	0.898236	2.212024	0.0903	0.360053	0.007978	0.792565	99.34689
RNF170	1	31.14286	34.40763	18.48297	19.17057	28.56577	11.89196	17.80815	14.63171	10.16587	7.926093	26.35396	12.48476	0.473734
RNF175	2.32E-12	11.30636	9.805366	4.104336	4.36355	17.18707	0	0	0	0	0	9.353337	0	0
RNF180	1	6.440649	6.559368	2.591128	2.975199	2.317401	4.366773	6.953846	3.757029	5.526837	4.843936	4.176749	5.089684	1.218576
RNF181	1	21.00826	18.56057	19.78973	19.38464	67.67877	46.97971	26.7849	18.011	20.76146	31.52864	29.28439	28.81314	0.983908
RNF182	1	4.281089	2.601103	5.640822	3.733755	3.487505	1.288359	1.223586	2.329312	1.747238	1.845044	3.948855	1.686708	0.427138
RNF183	1	0.083239	0.023501	0.045448	0.112176	0.225884	0.054452	0.375869	0.457146	0.05379	0.484301	0.09805	0.285111	2.907828
RNF185	1	8.800399	8.641112	11.88552	11.68486	11.07197	10.57762	7.429476	8.760222	7.074097	9.025861	10.41677	8.573456	0.823043
RNF186	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
RNF187	1	62.75379	51.24317	32.6157	31.94826	102.2168	113.286	65.905	72.94363	51.46959	137.3433	56.15555	88.18952	1.570451
RNF19A	1	19.03043	19.80025	16.49986	11.94788	8.781819	12.59651	21.36546	21.24193	19.49714	10.75909	15.21205	17.09203	1.123585
RNF19B	1	11.02211	8.724417	7.388825	8.11346	9.650845	13.76708	19.26077	17.6424	10.63862	16.87213	8.979932	15.6362	1.741238
RNF2	1	13.81267	13.62951	5.868448	6.6294	6.004112	10.47193	17.17824	11.31817	9.073589	5.2081	9.188828	10.65001	1.159017
RNF20	1	21.54556	18.19887	16.20761	17.35212	8.389178	11.40825	15.34026	16.53496	9.06888	10.18513	16.33867	12.5075	0.765515
RNF207	0.001573	1.521557	1.874205	1.029023	1.254654	7.215582	0.015706	0.057395	0.093074	0.511982	0.024944	2.579004	0.14062	0.054525
RNF208	1	3.786396	4.095323	12.15166	12.87245	7.766575	5.163181	2.53087	1.722839	3.124536	14.30244	8.13448	5.368772	0.660002
RNF212	1	0.039832	0	0	0.095429	0.108091	0	0.042321	0	0.102959	0	0.048671	0.029056	0.596991
RNF212B	1	0.171964	0.138714	0.375562	0.102997	0.399988	0	0	0.158725	1.015988	0.980094	0.237845	0.430961	1.811944
RNF214	1	7.401451	8.327087	3.199684	2.641407	4.609861	6.832596	8.937722	17.64761	5.455161	3.631605	5.235898	8.500939	1.623588
RNF215	1	3.542301	2.436866	7.027265	7.994791	9.27581	2.548354	3.611439	3.207908	3.85005	10.20565	6.055407	4.68468	0.773636
RNF216	1	6.146224	5.582618	8.058307	8.604492	5.728176	4.308789	4.730261	4.886211	3.643297	4.145406	6.823963	4.342793	0.636403
RNF217	1	1.471451	1.613064	1.22681	1.061952	1.137655	0.884526	1.186619	1.336147	1.644728	0.636301	1.302186	1.137664	0.873657

RNF219	1	1.864924	1.641495	1.269793	1.274683	4.257018	3.473326	2.132956	1.885388	5.132405	5.47081	2.061583	3.618977	1.755436
RNF220	1	45.55387	42.03549	35.73948	47.13962	75.01877	118.8624	51.08527	34.47567	26.28396	62.12895	49.09745	58.56724	1.192878
RNF222	1	0.03078	0.023173	0	0	0	0	0	0	0	0.034111	0.010791	0.006822	0.632233
RNF223	1	0.083563	0.106165	0.357394	0.442109	0.415733	0.018221	0.014797	0.017997	0.323995	0.47461	0.280993	0.169924	0.604727
RNF224	1	0.035039	0.356127	0.344357	0.377757	0	0	0.037228	0	0.362277	0.524218	0.222656	0.184745	0.829732
RNF225	1	0.049578	0.035629	0.187021	0.113378	0.024461	0	0.067041	0.023296	0.0466	0.097399	0.082013	0.046867	0.571457
RNF227	1	0.290391	0.686387	0.54571	0.339768	1.77764	0.98958	2.496967	1.797708	1.187009	1.930908	0.727979	1.680434	2.308355
RNF24	1	4.820598	4.798622	7.852851	6.866853	4.066323	2.163289	2.732038	2.443009	3.252582	1.520836	5.681049	2.422351	0.426391
RNF25	1	7.923338	7.229702	8.824741	10.04754	13.45844	10.96094	7.494638	7.710948	6.79275	7.997992	9.496753	8.191453	0.862553
RNF26	1	5.772075	5.510975	8.084115	10.21599	11.74312	7.177249	9.280371	5.729597	3.235198	10.02673	8.265254	7.089829	0.857787
RNF31	1	3.76541	3.881527	6.587769	7.079246	4.023197	6.550644	5.297868	10.31485	8.300814	13.15832	5.06743	8.724498	1.721681
RNF32	0.402273	1.919391	2.922117	0.742864	1.149614	1.351598	0.826471	0.283954	0.345355	1.004816	0.3433	1.617117	0.560779	0.346777
RNF34	1	5.682502	5.663012	4.132928	4.692535	8.875385	8.627463	7.715854	9.411709	10.3859	14.94476	5.809272	10.21714	1.758764
RNF38	1	19.23601	16.91924	15.66695	17.15685	13.84612	19.73507	18.25682	17.45164	21.03144	12.60435	16.56503	17.81587	1.075511
RNF39	1	0.477261	0.903146	0.619758	0.355386	0.105011	0	0.164458	0.533386	1.667073	1.136446	0.492112	0.700273	1.422993
RNF4	1	18.97178	17.84883	18.39314	21.88546	29.58873	13.10487	13.86355	13.00154	8.968885	11.62937	21.33759	12.11364	0.567714
RNF40	1	10.42589	9.723356	12.81076	13.06346	4.027934	18.36532	21.55835	19.03559	15.1885	18.46751	10.01028	18.52305	1.850403
RNF41	1	18.79185	14.93451	14.95001	17.33306	21.89536	43.71797	34.87325	26.60807	14.06449	27.34493	17.58096	29.32174	1.667812
RNF43	1	0.602055	0.456311	1.711971	0.416262	0.712722	0.126876	0.128792	9.022576	2.276861	5.145135	0.779864	3.340048	4.282858
RNF44	1	5.266355	5.798427	9.148049	11.6512	7.610023	13.50826	9.515091	9.030043	9.503241	12.66591	7.89481	10.84451	1.373625
RNF5	1	23.5569	26.6435	19.17511	25.18602	81.9535	63.70769	31.43838	19.07186	11.60258	32.05581	35.303	31.57526	0.894407
RNF6	1	8.217546	8.605504	8.6658	9.104885	4.77098	2.948341	9.546236	8.208929	8.53652	4.634169	7.872943	6.774839	0.860522
RNF7	1	20.08028	25.40687	17.98399	19.87309	74.95114	47.20599	38.8168	37.52625	28.58815	21.9269	31.65907	34.81282	1.099616
RNF8	1	53.7451	52.65672	22.48641	28.88442	45.72486	22.00044	25.09256	18.08586	10.86635	13.70673	40.6995	17.95039	0.441047
RNFT1	1	7.697779	5.081409	4.941324	4.177525	4.039356	5.475199	5.368117	11.45306	8.530584	6.263813	5.187479	7.418155	1.430012
RNFT2	1	5.075396	5.688416	8.156494	7.603173	3.814849	5.27215	7.838428	7.03867	8.435752	6.813277	6.067666	7.079655	1.166784
RNGTT	1	8.236241	8.292995	6.148115	6.065172	5.947751	4.209272	8.101325	9.520539	11.12277	6.337611	6.938055	7.858304	1.132638
RNH1	1	9.057589	7.677286	21.19123	23.4641	13.60348	11.56001	6.129865	7.116491	24.66366	87.08762	14.99874	27.31153	1.820922
RNLS	1	2.888502	4.480493	2.749175	1.938743	4.361469	3.293862	6.209569	4.328055	2.847054	0.85944	3.283676	3.507596	1.068192
RNMT	1	13.99563	16.02783	13.95752	11.04575	12.45099	4.401054	10.45649	10.25399	12.38543	11.72954	13.49554	9.845302	0.729522
RNPC3	1	4.027941	5.509161	5.571852	5.973866	1.793531	2.092231	2.887431	5.440904	5.758281	3.407434	4.57527	3.917256	0.85618
RNPEP	1	4.519679	2.460905	7.173958	6.090858	5.124986	10.98173	14.38899	10.09559	7.760553	24.00204	5.074077	13.44578	2.649897
RNPEPL1	1	1.67001	1.467697	6.838569	7.687385	2.503486	4.651781	2.275167	3.550296	4.107803	8.18282	4.03343	4.553573	1.128958
RNPS1	1	34.14071	31.08253	28.7676	34.82884	51.93349	47.58025	48.15056	71.59422	32.04263	39.83431	36.15064	47.84039	1.323362
ROBO1	1	12.25945	5.480454	7.979256	6.978737	2.771821	5.986443	11.33857	7.537234	4.420257	6.684257	7.093944	7.193352	1.014013
ROBO2	1	15.73983	15.4425	5.882892	8.50415	3.872199	4.887655	15.46125	1.214931	4.37654	0.47717	9.888314	5.28351	0.534319
ROBO3	1	0.038848	0.009749	0.160258	0.367116	0.023427	0.948755	0.706263	0.044622	0.133887	0.602732	0.11988	0.487252	4.064506
ROBO4	1	2.0224	2.347031	8.85588	10.53657	9.280177	6.648167	2.418692	1.996156	1.050761	1.427542	6.608412	2.708264	0.409821
ROCK1	1	10.6903	9.949751	12.87777	13.10016	4.225129	9.329294	6.562368	12.16037	13.58733	4.53057	10.16862	9.233987	0.908086
ROCK2	1	36.97982	42.31256	21.54709	21.0041	23.0075	8.98412	24.81732	14.16057	13.96592	7.895248	28.97021	13.96464	0.482034
ROGDI	1	35.2796	32.73124	37.17597	43.96581	112.9685	28.87473	27.89881	22.20471	25.12274	48.64889	52.42422	30.54998	0.582746
ROM1	1	1.586844	1.802959	6.402917	8.982773	14.38892	5.721986	3.742057	3.375912	9.654013	13.41451	6.632883	7.181695	1.082741
ROMO1	1	20.898	16.27336	17.22702	23.19288	73.38979	50.57287	19.30117	16.41471	16.59362	52.90386	30.19621	31.15725	1.031826
ROPN1	1	0.623584	0.952764	0.881218	0.746987	0.79633	2.591539	0.233838	0	0.474074	0.121953	0.800177	0.684281	0.855162
ROPN1L	1	0.530624	0.744507	0.842809	1.945417	1.527209	2.77693	2.05009	1.163585	0.332501	0.641509	1.118113	1.392923	1.24578
ROR1	1	1.468654	0.830909	0.749883	0.459697	0.383667	0.332202	0.318826	1.178218	4.534563	1.530067	0.778562	1.578775	2.027809

ROR2	1	0.964618	0.101335	0.362546	0.209604	0.097401	0.446116	0.35275	0.405837	0.347911	0.022375	0.347101	0.314998	0.907511
RORA	1	5.371276	7.162487	11.64609	8.406414	2.35366	1.904777	6.282796	14.9425	15.98956	9.3099	6.987986	9.685908	1.38608
RORB	1	8.727259	11.31413	3.893735	4.749281	5.730997	4.100203	6.87353	1.732555	3.890843	1.305822	6.883081	3.580591	0.520202
RORC	1	1.9409	1.248444	1.701027	1.775722	3.93744	0.230102	0.387072	1.282445	0.519547	1.065033	2.120707	0.69684	0.328588
ROS1	1	0.008078	0.004561	0.008821	0	0	0	0	0	0.062639	0	0.004292	0.012528	2.918904
RP1	1	0	0	0	0	0	0.124453	0.012633	0	2.428027	0	0	0.513023	#DIV/0!
RP1L1	0.016081	0	0	0	0.072437	0	0	0	0	0.213892	0.026453	0.014487	0.048069	3.317971
RP2	1	2.299847	2.09651	1.692628	1.580439	1.819485	1.829902	1.792432	2.776268	2.105799	0.443433	1.897782	1.789567	0.942978
RP9	1	5.533505	5.185753	4.545387	4.036491	10.30957	8.557928	4.913966	5.592342	9.05152	10.4067	5.922141	7.70449	1.300964
RPA1	1	13.21156	13.63829	12.89383	13.11503	12.88814	30.41629	19.48724	28.14295	41.67798	42.46281	13.14937	32.43746	2.466845
RPA2	1	6.035948	5.670306	6.089511	7.076859	14.90107	20.29465	24.1085	19.43733	15.57422	5.380937	7.954739	16.95913	2.131953
RPA3	1	18.39444	19.05642	12.26563	15.49211	51.10496	77.38882	58.08345	55.92869	90.16484	102.0113	23.26271	76.71543	3.297785
RPA4	1	0	0	0	0	0	0	0	0	0.051603	0	0	0.010321	#DIV/0!
RPAIN	1	2.731151	2.608332	2.761448	2.746553	7.228448	7.146505	3.904864	5.794946	8.889781	3.531177	3.615187	5.853455	1.619129
RPAP1	1	3.395919	2.730418	5.197606	5.499572	2.551528	11.21111	9.075086	9.675579	11.27053	6.315012	3.875009	9.509464	2.45405
RPAP2	1	2.182225	2.769053	2.574333	2.214759	2.378062	1.888396	3.023255	3.890155	2.069721	0.565561	2.423686	2.287417	0.943776
RPAP3	1	15.13755	13.11703	9.787678	9.201767	6.255806	15.60773	25.3153	21.89423	10.12573	10.53176	10.69997	16.69495	1.560281
RPE	1	2.915029	4.539568	5.159935	3.812914	2.285565	6.239504	5.264565	3.067202	8.057878	4.027519	3.742602	5.331334	1.424499
RPE65	1	0.093993	0.013268	0.051319	0.056297	0.159415	0.061487	0.099865	0	20.98512	0	0.074858	4.229295	56.49729
RPF1	1	17.24775	16.83282	8.215743	9.454732	13.13614	32.24213	24.91637	22.63645	14.1636	9.816748	12.97744	20.75506	1.599319
RPF2	1	4.178455	5.087993	3.170958	3.657752	5.519092	14.06579	16.36846	7.290027	4.841626	4.569243	4.32285	9.427029	2.180744
RPGR	1	1.612793	1.551205	1.464317	0.942099	0.688452	0.55004	0.515991	0.571367	3.260078	0.849485	1.251773	1.149392	0.918211
RPGRIP1	1	0.115664	0.097965	1.815597	2.225503	0.088277	0.132411	0.046084	0.084073	4.634028	5.215365	0.868601	2.022392	2.328332
RPGRIP1L	1	2.319169	2.646913	1.85596	2.003135	1.852331	2.897953	3.192208	3.854143	2.380847	1.266849	2.135501	2.7184	1.272956
RPH3A	1	57.01866	54.62923	43.60465	63.19219	53.68524	61.83063	80.0315	28.06455	44.06625	34.1393	54.426	49.62645	0.911815
RPH3AL	1	1.668588	1.507477	3.502414	3.309109	5.659998	1.600915	1.063699	2.036397	2.348187	1.325236	3.129517	1.674887	0.53519
RPIA	1	1.749579	1.468744	1.149685	1.687776	1.722647	6.48221	4.211276	5.281971	2.401245	4.864466	1.555686	4.648234	2.987899
RPL10	1	91.28503	60.81791	130.4869	145.214	487.2608	324.4688	123.2319	204.7808	199.3264	214.8395	183.0129	213.3295	1.165652
RPL10A	1	57.44582	53.2361	66.81375	70.8768	295.5686	389.9073	160.377	264.4562	158.0153	161.6914	108.7882	226.8895	2.085607
RPL10L	1.75E-16	0.31708	0.055089	0.106537	0.087653	0	30.37946	14.09752	23.1344	69.22416	80.28023	0.113272	43.42316	383.3539
RPL11	1	28.07613	28.92415	19.9825	22.80605	61.63226	84.5135	32.81677	40.66551	55.23208	57.15306	32.28422	54.07618	1.675004
RPL12	1	0.57469	8.281255	14.40856	0.413051	62.69273	5.293276	2.002748	1.782305	9.269336	4.241652	17.27406	4.517864	0.26154
RPL13	1	92.48468	76.86674	120.7468	136.2241	302.8738	292.3121	84.21281	157.7227	131.0615	335.8351	145.8392	200.2288	1.372942
RPL13A	1	159.2453	109.7988	147.5896	192.3066	421.558	788.1032	235.0381	555.8628	549.2642	1076.863	206.0997	641.0263	3.110273
RPL14	1	229.6199	191.7136	201.4172	213.632	579.8352	1612.805	405.2154	958.8312	517.0468	877.8252	283.2436	874.3447	3.0869
RPL15	0	204.8305	194.3977	153.9816	145.902	367.475	15.55706	11.11067	13.57636	15.91507	17.15345	213.3174	14.66252	0.068736
RPL15P	1	0.156943	0.059079	0.571263	0.344669	0	0	0.555828	0.405611	0.676117	0.86964	0.226391	0.501439	2.214926
RPL17	0.001202	1.542125	0.8293	2.165105	2.155186	2.8397	96.36497	30.89684	57.7428	27.71299	30.54869	1.906283	48.65326	25.52258
RPL18	1	124.1856	135.948	171.4654	174.3912	383.2062	582.4097	172.1998	285.3918	156.3892	525.2582	197.8393	344.3298	1.740452
RPL18A	1	138.047	125.6951	138.013	162.306	351.6187	429.4727	147.8847	204.9473	127.3825	386.3798	183.136	259.2134	1.415415
RPL19	1	267.4821	251.1367	262.1025	307.582	848.1747	1282.57	365.1902	528.9971	336.9446	721.272	387.2956	646.9947	1.670545
RPL21	1	48.91097	35.72689	53.82097	63.41181	340.919	176.3058	60.53889	118.0901	65.85461	113.048	108.5579	106.7675	0.983507
RPL22	1	96.98829	110.9225	94.96479	98.15412	441.6141	612.7978	192.7924	273.0568	197.5287	233.6637	168.5288	301.9679	1.791788
RPL22L1	1	7.218447	6.401105	5.819223	7.737747	27.65176	18.76148	2.882466	5.049967	2.003584	0.751644	10.96566	5.889829	0.537116
RPL23	1	279.4367	253.9553	163.0725	176.1168	859.0971	873.2607	287.3407	319.9593	434.4548	424.5932	346.3357	467.9217	1.351064
RPL23A	1	1.351654	0.241015	0	1.15044	7.239366	0.372297	0.831426	0.091928	8.45863	1.537353	1.996495	2.258327	1.131146

RPL24	1	114.2873	115.6699	142.3302	151.6029	589.3826	1161.779	321.0781	606.4181	436.4661	549.0429	222.6546	614.9568	2.761932
RPL26	1	64.99266	60.12415	77.00258	76.75618	318.6756	621.4561	168.025	305.6869	148.4911	289.8506	119.5102	306.7019	2.566324
RPL26L1	1	14.09183	11.37111	13.09732	14.2494	44.46892	95.83257	48.24672	41.20318	43.37808	43.11736	19.45572	54.35558	2.79381
RPL27	1	100.5261	115.2302	96.4104	115.2707	612.6324	1406.004	379.418	430.3379	334.5113	420.4734	208.014	594.1489	2.856293
RPL27A	1	45.51602	48.03296	82.35511	89.41654	499.6582	2036.843	500.4986	909.9469	407.9699	925.5226	152.9958	956.1562	6.24956
RPL28	1	28.08267	29.89642	34.19548	49.79839	75.31884	229.2638	67.70231	85.26776	77.62998	186.1416	43.45836	129.2011	2.972986
RPL29	1	78.29664	83.87439	81.90348	100.0628	179.5889	132.2249	53.81527	52.89476	121.4911	171.4632	104.7452	106.3779	1.015587
RPL3	1	102.8106	82.15312	89.21134	96.65137	224.7642	619.5889	226.7609	327.5564	273.2942	341.86	119.1181	357.8121	3.003842
RPL30	1	51.07434	70.713	133.1506	164.6123	469.4904	1115.878	436.1726	932.306	424.5364	337.0031	177.8081	649.1792	3.65101
RPL31	1	252.5263	276.3216	179.559	212.5471	1395.648	1020.479	243.1691	467.775	204.1967	423.5231	463.3203	471.8286	1.018364
RPL32	1	153.6989	167.7467	183.4403	199.9877	676.9499	731.5157	186.9229	257.0794	255.0061	348.1719	276.3647	355.7392	1.287209
RPL34	1	61.09898	54.71763	57.86025	67.35938	355.9719	252.7533	76.36914	116.7212	94.79236	98.68504	119.4016	127.8642	1.070875
RPL35	1	119.0938	98.46713	74.74842	90.76494	500.5445	533.2228	121.057	192.6895	65.52815	191.5549	176.7238	220.8105	1.249467
RPL35A	1	52.32608	44.2018	37.44741	36.20173	492.9636	493.0271	142.5637	283.2106	189.3119	183.913	132.6281	258.4053	1.948344
RPL36	1	108.654	63.03893	51.27088	75.6166	174.7744	122.6099	36.28039	53.19581	108.3685	128.7434	94.67096	89.83962	0.948967
RPL36A_1	1	0	0.102958	0.39822	0.436845	0.247404	4.294071	0.581191	0.235622	3.534843	3.788846	0.237085	2.486914	10.48953
RPL36A_2	1	12.64012	4.859423	17.42476	24.53785	125.7708	423.6406	66.1013	118.0438	138.1047	199.0933	37.04658	188.9967	5.101597
RPL36AL	1	56.37542	39.82769	46.60013	46.44772	237.1257	452.4953	105.517	148.2403	62.6936	60.8601	85.27534	165.9613	1.946181
RPL37	1	303.6755	209.2541	144.0067	208.317	962.6283	1832.533	465.1621	826.4742	522.0596	870.8358	365.5763	903.4129	2.471202
RPL37A	1	147.4101	128.9542	121.0055	116.3617	704.3505	1139.351	271.7028	473.5766	381.9083	732.5874	243.6164	599.8253	2.462172
RPL38	1	60.99272	71.2247	60.73628	65.5456	394.9798	1054.454	307.3716	342.5671	276.8009	344.7719	130.6958	465.193	3.559356
RPL39	7.27E-09	83.01768	87.51774	48.34112	45.73668	434.7438	0	0	0	0	0	139.8714	0	0
RPL3L	1	0.538621	0.784346	0.742944	0.492398	0.884678	1.335213	0	0.549488	1.758618	1.790737	0.688598	1.086811	1.578297
RPL4	1	212.4714	188.4869	168.5849	208.1788	617.7459	768.4603	214.5114	383.9718	265.7578	350.9282	279.0936	396.7259	1.42148
RPL5	1	52.84174	51.12897	39.70258	42.50499	269.0266	196.0005	96.86511	185.7643	81.72557	86.96159	91.04098	129.4634	1.422034
RPL6	1	24.14685	16.30588	19.13547	20.43251	153.2471	134.3045	38.33853	58.48692	36.24975	37.68388	46.65357	61.01272	1.307783
RPL7	1	8.16125	5.504103	15.32664	17.03578	161.7387	58.86718	55.398	76.09476	96.05591	125.6644	41.55329	82.41605	1.983382
RPL7A	1	147.2839	150.7044	184.6916	226.3795	652.2496	654.5368	221.0592	368.1404	237.4912	431.1633	272.2618	382.4782	1.404818
RPL7L1	1	26.06731	25.81543	17.49519	20.71051	49.09314	23.28551	24.29686	17.80622	16.85039	10.70772	27.83632	18.58934	0.667809
RPL8	1	71.10473	67.6273	91.15789	110.9384	214.3343	269.3508	139.7218	147.2597	113.8549	243.5762	111.0325	182.7527	1.645938
RPL9	1	4.431747	4.272389	12.45255	15.27888	204.5205	4.101163	0.229689	0.279356	3.073364	1.931603	48.19122	1.923035	0.039904
RPLP0	1	130.6692	108.2577	123.6934	142.3942	281.6717	662.5272	242.1013	351.9909	153.5174	140.6632	157.3372	310.16	1.971307
RPLP1	1	165.6964	134.9047	254.5754	301.1508	1257.14	1008.155	202.7317	216.2927	215.9456	509.3804	422.6935	430.5011	1.018471
RPLP2	1	118.5492	85.16159	122.7815	157.7281	246.146	322.7574	108.8332	99.1958	98.36228	295.9774	146.0733	185.0252	1.26666
RPN1	1	42.291	31.4106	40.06931	50.24238	36.14647	27.68759	36.49235	34.68893	27.30666	35.98511	40.03195	32.43213	0.810156
RPN2	1	52.04482	46.0755	36.67717	36.62896	54.61977	55.61352	99.1299	88.137	60.98583	52.61662	45.20924	71.29657	1.577035
RPP14	1	5.933706	6.164509	6.067286	6.653224	4.247095	1.409483	3.059826	3.200797	2.269388	3.165723	5.813164	2.621044	0.450881
RPP21	1	1.327162	1.289641	2.729953	3.031709	6.784184	10.41821	5.279586	3.15079	3.430473	5.053704	3.03253	5.466552	1.802638
RPP25	1	3.632642	3.170008	1.749654	2.234366	1.974878	1.920283	1.910302	0.316106	0.537459	2.978667	2.55231	1.532564	0.600461
RPP25L	1	9.125661	7.81617	9.655736	11.78722	27.67156	6.960618	6.673212	7.988897	8.594884	14.24864	13.21127	8.893251	0.673156
RPP30	1	10.78926	11.36863	6.811077	6.372918	14.93484	8.280548	5.79866	4.385617	6.283015	5.222408	10.05534	5.99405	0.596106
RPP38	1	1.343108	1.022548	0.980512	1.288025	1.208093	1.954673	1.074273	1.384575	2.281955	3.098177	1.168457	1.95873	1.676339
RPP40	1	2.79826	3.601034	3.240405	2.712796	0.423826	11.44292	9.154323	3.229147	4.911709	4.478557	2.555265	6.643331	2.59986
RPRD1A	1	27.35445	27.85653	13.62625	14.4698	21.33352	15.43193	19.6583	17.34193	18.99949	13.66028	20.92811	17.01839	0.813183
RPRD1B	1	9.078239	7.67944	7.244509	7.409566	6.354095	9.905237	7.960953	16.51557	12.81088	15.78845	7.55317	12.59622	1.667673
RPRD2	1	6.443825	7.222672	8.472184	7.523409	3.124604	3.177247	4.608754	8.023858	11.52617	6.131958	6.557339	6.693596	1.020779

RPRM	1	2.608816	3.180671	0.651959	2.643107	4.437876	20.17353	11.77671	1.207583	1.610345	0.841454	2.704486	7.121923	2.633374
RPRML	1	4.665796	7.129914	2.184865	6.787518	5.680536	0.835919	1.018254	0	0.260762	0.181675	5.289726	0.459322	0.086833
RPS10	1	193.4785	192.4485	208.1088	236.8991	533.7789	718.1827	261.9033	445.3351	206.8374	402.9159	272.9428	407.0349	1.491283
RPS11	1	159.9624	164.9413	183.7236	222.6396	761.7436	1471.067	304.3535	426.514	465.7985	586.3759	298.6021	650.8217	2.179562
RPS12	1	173.5549	121.5566	211.8306	226.9903	586.9291	957.5731	303.603	543.1684	284.7878	572.3344	264.1723	532.2933	2.014948
RPS13	1	10.44575	11.39246	44.4543	44.18081	136.8778	490.3092	178.1816	277.9154	145.728	130.8865	49.47022	244.6042	4.944473
RPS14	1	108.5063	94.99794	89.19165	104.1442	317.8872	714.6784	226.1826	240.4458	117.6776	220.8018	142.9455	303.9572	2.126386
RPS15	1	153.4348	169.5447	134.877	137.4694	364.8853	396.5629	93.11966	131.718	204.5053	666.7309	192.0423	298.5273	1.554488
RPS15A	1	0.164025	0	0.179112	0	4.673659	9.87157	3.485452	5.298921	31.79815	41.71767	1.003359	18.43435	18.37264
RPS16	1	110.4129	91.97012	111.7377	117.6916	338.6189	689.9293	166.4508	224.1217	211.4566	407.8055	154.0862	339.9528	2.20625
RPS17	1	204.3802	172.6003	174.9658	212.4257	1018.682	2111.864	412.2791	630.5032	667.0285	917.098	356.6109	947.7546	2.657672
RPS18	1	131.6472	123.6336	131.6941	166.717	546.3659	1205.702	345.5982	544.1484	300.6324	576.3246	220.0116	594.4811	2.702045
RPS19	1	41.17773	44.04379	139.1667	170.4771	523.2687	1204.927	334.4781	531.1539	237.2896	406.6585	183.6268	542.9014	2.956547
RPS19BP1	1	9.623454	9.078447	6.412041	10.60676	25.3561	20.85235	16.14162	7.28674	11.80503	16.03613	12.21536	14.42437	1.180839
RPS2	1	236.0797	247.811	269.6194	359.6967	709.1744	1016.743	190.8387	285.4971	192.2183	416.3232	364.4763	420.3239	1.153227
RPS20	1	104.2989	52.28974	52.88318	73.15225	400.3488	235.9288	102.2392	134.014	102.3825	235.3615	136.5946	161.9852	1.185883
RPS21	1	100.2529	77.5685	50.35619	58.67306	327.9236	449.2108	161.6947	240.4118	358.505	607.0329	122.9548	363.371	2.955321
RPS23	1	7.164784	4.44157	37.42109	41.08716	204.6879	420.5896	85.51805	120.8725	55.95305	49.26287	58.9605	146.4392	2.483684
RPS24	1	329.9175	270.1301	282.5181	322.7369	915.3647	949.2093	307.2949	521.6377	466.475	458.6042	424.1334	540.6442	1.274703
RPS25	1	45.43887	55.9594	73.47414	99.37946	668.5488	686.7871	201.6035	315.9992	109.9288	211.0581	188.5601	305.0753	1.617921
RPS26	1	56.20965	55.63493	45.08288	56.76592	155.5018	70.44768	19.09073	30.6657	34.6042	46.1792	73.83904	40.1975	0.544394
RPS27	1	155.4471	132.3304	106.7316	138.916	649.6685	2150.414	431.8049	703.1503	380.2706	476.8617	236.6187	828.5002	3.501414
RPS27A	1	139.13	127.9403	157.5174	169.9287	625.3915	1373.316	462.294	693.7036	314.6041	491.1625	243.9816	667.0161	2.733879
RPS27L	0.286981	11.81209	8.932327	4.261476	5.259156	44.25173	0.18235	0.888499	0.810469	1.981436	0.695067	14.90336	0.911564	0.061165
RPS27P	0.000316	0	0	0.233713	0	2.177997	191.5327	31.49468	47.29355	48.40687	39.22524	0.482342	71.5906	148.4229
RPS28	1	148.6631	103.2359	193.2233	220.4348	414.015	603.337	172.9766	228.0707	251.7916	449.2119	215.9144	341.0776	1.579689
RPS29	1	77.22443	66.43202	107.4777	120.6476	1154.058	1326.368	222.4049	234.6283	147.1166	156.7354	305.1679	417.4507	1.367937
RPS3	1	240.2378	226.6734	185.3857	207.7853	615.4269	930.3671	260.05	381.2713	246.5049	333.1389	295.1018	430.2664	1.458027
RPS3A	1	258.1557	192.8458	212.3385	176.8069	855.1537	264.9759	143.2551	245.3279	122.5696	88.39075	339.0601	172.9038	0.50995
RPS4X	1	51.33584	50.8151	67.10972	74.88013	201.1198	41.83361	22.28296	31.59976	10.44221	5.358139	89.05213	22.30334	0.250453
RPS4Y1	1.71E-05	15.45304	17.99074	13.70822	18.41243	34.91559	573.2517	156.518	232.3443	114.9754	112.6388	20.096	237.9457	11.84045
RPS5	1	89.03821	100.1058	116.731	148.5339	201.7191	273.7981	143.3126	206.389	143.4598	383.5174	131.2256	230.0954	1.753433
RPS6	1	26.52861	20.56329	43.30136	59.77795	273.4109	413.2481	92.14713	167.2432	103.5968	174.1695	84.71642	190.081	2.243732
RPS6KA1	0.008242	1.420104	1.689646	5.217086	4.131326	2.670061	7.909635	4.181601	56.94021	27.29437	70.652	3.025645	33.39556	11.0375
RPS6KA2	1	4.910902	5.460745	10.19818	13.20003	4.944257	19.02268	8.576529	9.082381	6.222141	6.363362	7.742822	9.85342	1.272588
RPS6KA3	1	7.637761	10.10309	7.004128	5.795206	5.081152	6.403549	19.20009	19.45801	15.02616	9.963935	7.124267	14.01035	1.966567
RPS6KA4	1	5.743613	5.372358	7.66909	9.952376	12.95542	23.33272	10.42027	7.618678	6.935026	5.80926	8.338572	10.82319	1.297967
RPS6KA5	1	8.069406	7.244981	14.26906	9.130229	7.227995	2.304468	5.058922	11.45448	9.549871	11.15853	9.188334	7.905254	0.860358
RPS6KA6	1	11.80069	11.10273	9.075003	6.462459	4.333905	8.235271	6.089942	4.687954	6.014179	4.890774	8.554957	5.983624	0.699434
RPS6KB1	1	15.609	16.05178	12.39616	11.05591	4.10957	14.97699	16.21676	17.99763	16.27419	11.04101	11.84448	15.30132	1.291851
RPS6KB2	1	5.475567	7.026267	10.71897	14.61645	11.80726	38.61059	14.94053	11.38079	16.08212	21.3841	9.928903	20.47963	2.062627
RPS6KC1	1	22.29467	25.03975	12.6582	15.71007	14.52181	18.34764	31.12907	11.52183	10.59796	6.835322	18.0449	15.68636	0.869296
RPS6KL1	1	6.763946	7.10125	11.00191	9.669843	20.51866	9.421507	6.107178	16.89944	12.66396	15.30009	11.01112	12.07843	1.09693
RPS7	1	272.1018	260.9999	227.4618	262.7576	930.3385	1018.422	343.1538	620.7169	358.2349	765.0299	390.7319	621.1114	1.58961
RPS8	1	278.7421	361.1747	269.0791	312.1569	1029.584	1165.744	342.0308	711.3053	507.0118	808.7317	450.1475	706.9646	1.570518
RPS9	1	100.4173	81.78842	83.06788	117.6225	193.8989	370.5885	144.9385	248.1993	232.5026	621.4097	115.359	323.5277	2.80453

RPSA	1	132.8989	109.7048	107.5753	123.3072	266.3626	559.0758	116.9125	155.5554	105.141	225.9185	147.9697	232.5206	1.571407
RPSAP1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
RPTN	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
RPTOR	1	6.974804	6.969446	10.23598	10.73654	1.48686	6.296691	10.52582	10.1133	7.578904	10.35131	7.280726	8.973205	1.23246
RPUSD1	1	1.495616	2.014493	2.738984	4.460309	4.565935	1.019147	0.910395	0.905937	2.295376	2.408518	3.055067	1.507875	0.493565
RPUSD2	1	1.860237	1.135268	1.805638	2.656033	3.084933	2.360056	1.996419	2.063902	0.631403	4.045024	2.108422	2.219361	1.052617
RPUSD3	1	6.045189	6.475053	11.66352	11.80852	14.69374	7.88	3.546365	2.760462	1.457122	4.253922	10.1372	3.979574	0.392571
RPUSD4	1	3.452194	4.071558	3.576739	4.671689	6.68238	4.562861	5.883613	5.907399	4.872791	23.44445	4.490912	8.934222	1.9894
RRAD	1	0.445604	0.059203	0.658328	0.847777	0.284523	2.812105	0.194947	0.40646	2.371363	0.762528	0.459087	1.309481	2.852359
RRAGA	1	24.69798	20.46095	25.94882	32.71848	105.1096	48.3691	46.54726	39.42384	39.21545	48.03999	41.78716	44.31913	1.060592
RRAGB	1	22.59897	21.08311	12.58296	12.96903	21.09546	25.78671	35.30361	38.98162	30.94088	28.40399	18.06591	31.88336	1.764836
RRAGC	1	12.12989	9.593977	9.147897	10.23108	7.05178	4.327079	10.9473	8.688487	10.52164	4.893715	9.630925	7.875646	0.817746
RRAGD	1	24.4689	22.06126	12.84849	12.16278	19.65899	5.604055	7.277852	30.95818	25.88628	37.05764	18.24008	21.3568	1.170872
RRAS	1	3.283517	2.739739	6.303236	7.115022	7.945567	15.87032	3.599758	2.864722	4.216619	4.032885	5.477416	6.11686	1.116742
RRAS2	1	4.965792	4.232885	4.25809	3.641545	4.988536	9.537122	11.1101	9.707623	11.88945	10.15976	4.41737	10.48081	2.372636
RRBP1	1	13.75295	8.297847	18.32307	22.25102	4.638106	7.051479	6.043739	6.184128	5.558805	8.992533	13.4526	6.766137	0.502961
RREB1	1	1.173486	1.005939	1.562258	1.981053	1.622269	1.051765	0.332962	0.448979	0.457849	0.25198	1.469001	0.508707	0.346294
RRH	1	0.500083	0.250998	0.121351	0.177495	0	0.387718	1.456225	1.531775	3.063995	0.184734	0.209985	1.324889	6.309435
RRM1	1	11.82732	11.4041	9.946346	9.387716	10.14883	11.11378	17.51817	23.34622	17.0993	12.27768	10.54286	16.27103	1.543322
RRM2	1	0.267603	0.288469	0.079696	0.094711	0.23106	0.350114	0.155085	0.031437	0	0.070771	0.192308	0.121481	0.631702
RRM2B	1	5.368364	4.921299	3.079553	3.675852	3.024745	2.248958	3.35305	5.075938	6.092012	4.353177	4.013963	4.224627	1.052483
RRN3	1	16.6494	17.11337	10.63396	10.98687	13.10532	5.538366	10.3044	11.17147	12.86833	10.53884	13.69779	10.08428	0.736198
RRNAD1	1	1.314662	1.361864	2.48259	3.350944	5.203808	8.018109	7.120503	6.948615	9.862336	5.816796	2.742774	7.553272	2.753881
RRP1	1	4.216738	4.228094	4.81276	5.928087	8.380381	3.152511	2.900369	3.054571	3.784277	7.136383	5.513212	4.005622	0.72655
RRP12	1	12.60088	9.657246	13.12498	16.93531	11.27049	4.673065	9.293138	5.345418	5.174431	7.11807	12.71778	6.320824	0.497007
RRP15	1	8.003983	10.37617	4.582872	4.219404	4.718241	23.76761	31.34069	24.59833	19.99147	24.86644	6.380133	24.91291	3.904763
RRP1B	1	5.80897	5.183513	5.289681	5.545896	6.734294	2.410409	2.235884	1.908687	3.735823	6.640044	5.712471	3.38617	0.592768
RRP36	1	6.154463	8.384454	9.307432	8.645008	19.61727	24.41186	14.66077	18.36748	15.21377	20.58334	10.42173	18.64744	1.789286
RRP7A	1	4.558075	4.281958	2.396165	3.643281	9.8734	4.010832	7.594258	6.317461	2.168685	5.498383	4.950576	5.117924	1.033804
RRP8	1	2.150915	2.160568	3.065745	1.898523	0.829451	1.540355	2.068791	2.633171	4.27221	2.277053	2.02104	2.558316	1.265841
RRP9	1	2.228597	1.955371	1.518115	1.51901	2.25216	2.050391	2.52449	0.783927	1.568081	2.948331	1.894651	1.975044	1.042432
RRS1	1	10.02852	9.679922	4.947089	6.87919	9.523496	2.226195	4.112873	2.775963	1.429416	7.672434	8.211644	3.643376	0.443684
RS1	1	0	0	0	0	0.156575	0	0	0.298237	1.342263	0	0.031315	0.3281	10.47741
RSAD1	1	1.328087	1.336793	2.758618	1.495798	2.46795	8.763439	5.383496	6.19318	4.104512	5.483313	1.877449	5.985588	3.188149
RSAD2	1	0.562915	0.2807	0.255456	0.210175	0.158708	0.038259	0.279623	0.264513	1.171585	0.157984	0.293591	0.382393	1.302468
RSBN1	1	2.879257	3.946398	1.252419	0.787126	0.518729	2.375882	4.747376	8.552836	2.439611	2.164752	1.876786	4.056092	2.161191
RSBN1L	1	4.246818	4.873015	3.278498	2.374304	2.671702	4.166123	6.290065	12.99948	9.709036	6.433067	3.488867	7.919555	2.26995
RSF1	1	15.48715	14.87308	8.539291	7.324409	3.881769	4.942956	6.352798	9.090501	12.56884	8.551287	10.02114	8.301277	0.828377
RSL1D1	1	22.78789	23.04582	14.60074	17.78665	33.51527	19.91317	40.06652	41.36865	30.33043	39.34756	22.34728	34.20527	1.530624
RSL24D1	1	19.57551	21.96868	12.91576	12.44776	23.34692	40.06634	37.92762	35.70257	30.3358	26.01251	18.05093	34.00897	1.884056
RSPH1	1	6.333771	4.928935	3.337823	3.379906	2.472487	6.690865	4.028315	4.861408	3.494645	4.861344	4.090584	4.787315	1.170326
RSPH10B	1	2.309195	2.463178	1.519483	1.743556	1.621618	1.250919	6.494189	20.08816	0.838508	1.518432	1.931406	6.038042	3.126242
RSPH14	1	0.742848	1.386896	1.753186	1.578772	0.764071	0.250811	0.292789	0.092896	0.712306	1.065566	1.245155	0.482874	0.387802
RSPH3	1	3.014215	3.39802	2.117585	2.878468	3.489196	0.744595	1.534078	0.803521	1.171404	1.165059	2.979497	1.083732	0.36373
RSPH4A	1	0.231863	0.096009	0.23631	0.361071	0.041947	0.080894	0.147809	0.039949	0.15982	0.192717	0.19344	0.124238	0.642254
RSPH6A	1	0.126696	0.100997	0.113935	0.053565	0.202243	0.078005	0.063347	0.134828	0.115584	0.520335	0.119487	0.18242	1.526686

RSPH9	1	8.776686	5.9608	2.234025	4.95043	37.97402	5.139164	0.739045	1.321844	2.115258	2.00652	11.97919	2.264366	0.189025
RSPO1	1	0.022594	0	0	0.040597	0.030656	0	0	0.058392	0.1168	0.084506	0.018769	0.05194	2.767267
RSPO2	1	2.750148	3.128594	1.148247	1.005272	1.646249	1.66677	4.286261	0.091458	0.522694	0.008404	1.935702	1.315117	0.679401
RSPO3	1	18.66985	8.854111	1.566805	2.567928	5.30742	3.530984	8.674955	0.044146	0.353216	0	7.393223	2.52066	0.340942
RSPO4	1	0.007888	0	0	0.07559	0.171239	0	0	0	0	0	0.050943	0	0
RSPRY1	1	8.562254	7.963038	6.021529	6.58691	6.439333	8.695516	10.6805	10.9771	8.133364	5.817622	7.114613	8.86082	1.24544
RSRC1	1	23.40315	21.78935	11.52241	12.80778	13.52524	13.74423	12.64966	17.04415	12.61149	15.71676	16.60958	14.35326	0.864155
RSRC2	1	56.49257	63.54787	30.76253	34.21889	28.86597	51.70366	51.19345	77.11034	63.96541	40.40247	42.77757	56.87507	1.329554
RSRP1	1	12.84008	12.49892	14.81104	12.16403	23.99803	32.65175	23.82593	52.7446	48.94252	30.66393	15.26242	37.76574	2.474427
RSU1	1	8.898225	6.020628	8.013475	9.188904	8.083646	14.51884	6.927603	7.863902	10.57485	11.90146	8.040976	10.35733	1.288069
RTBDN	0.002242	0.13886	0.039204	0	0	0.376822	4.451052	4.462957	3.902788	3.589292	1.99093	0.110977	3.679404	33.15458
RTCA	1	15.69106	18.1299	11.05703	13.0102	13.56208	19.33585	37.15953	22.97022	25.11455	23.68581	14.29006	25.65319	1.795178
RTCB	1	17.05213	16.8977	18.89371	14.16118	10.20101	15.86135	22.57257	20.87538	15.63029	19.44377	15.44115	18.87667	1.222492
RTEL1	1	3.983936	3.411207	7.159576	7.68851	10.0917	3.16549	5.276163	8.231215	8.222762	12.64321	6.466987	7.507767	1.160937
RTF1	1	38.23782	40.08248	14.70577	17.88138	21.44645	22.2896	26.26084	25.73673	23.38137	25.07272	26.47078	24.54825	0.927372
RTF2	1	29.88555	27.98497	19.62746	22.90517	50.45206	31.39891	26.73061	24.7577	17.20259	21.05785	30.17104	24.22953	0.803072
RTKN	1	2.412167	3.801354	13.30953	23.90951	18.33492	24.86575	11.50385	11.05494	6.816114	24.61448	12.3535	15.77103	1.276645
RTKN2	1	0.488266	0.189827	0.326316	0.364358	0.18101	0.781936	0.782407	0.903323	2.137946	0.882625	0.309955	1.097647	3.541311
RTL1	1	0.103398	0.026538	0.18476	0.15764	0	0	0.019974	0	0	0	0.094467	0.003995	0.042288
RTL3	1	0	0	0	0	0	0	0	0	0.071128	0	0	0.014226	#DIV/0!
RTL4	1	1.053504	0.992931	0.553579	0.711646	0.558875	0	0.26931	0.061415	0.040949	0.013167	0.774107	0.076968	0.099429
RTL5	1	25.81441	23.27255	0.467022	0.757342	29.68341	18.68417	26.54305	81.85401	1.946614	3.114281	15.99895	26.42842	1.651885
RTL6	0.002911	13.47511	14.68537	14.92236	16.67366	24.09932	4.007339	4.679251	2.681599	3.794605	5.777035	16.77116	4.187966	0.249712
RTL8C_1	1	8.515261	9.901262	21.31767	26.25653	58.15417	4.951461	1.038758	0.978098	3.016241	9.856216	24.82898	3.968155	0.15982
RTL8C_2	1	10.74304	11.23675	18.8446	30.30086	53.20119	62.48678	20.15243	22.7422	15.6727	38.66329	24.86528	31.94348	1.284662
RTL9	1	0.202559	0.129039	0.663572	0.457292	0.162085	0.298991	0.215214	0.389271	0.107401	0.146776	0.322909	0.231531	0.717014
RTN1	1	152.8319	158.3433	114.0378	144.8898	285.6312	189.0637	323.614	230.7895	265.3084	287.8744	171.1468	259.33	1.515249
RTN2	1	32.5144	27.01984	25.57135	36.25378	61.79523	75.40418	35.04459	13.80303	8.191999	35.8218	36.63092	33.65312	0.918708
RTN3	1	391.6722	409.4917	206.324	285.112	454.1309	243.8668	574.0591	284.1665	238.55	301.7732	349.3461	328.4831	0.94028
RTN4	1	197.5478	215.6245	157.122	189.2261	236.9589	175.017	413.1202	259.7617	214.2975	123.9284	199.2959	237.225	1.190316
RTN4IP1	1	8.532605	8.809246	6.169992	6.878042	16.91596	6.644215	9.770516	4.8479	4.848605	3.992825	9.461168	6.020812	0.636371
RTN4R	1	4.618574	6.533688	10.66996	18.30365	2.495923	0.776355	1.26093	0.664556	1.278177	9.716205	8.52436	2.739244	0.321343
RTN4RL1	1	10.28792	10.50004	6.972956	9.970699	12.94603	6.955149	13.49033	4.816864	6.213564	22.10139	10.13553	10.71546	1.057218
RTN4RL2	1	1.790695	2.622142	3.536568	8.200503	8.160932	4.25968	6.681748	0.06643	0.265758	0.626681	4.862168	2.380059	0.489506
RTP1	1	0.331985	0.267795	0.310733	0.170436	0.1287	2.233784	1.410904	0	0	0	0.24193	0.728938	3.013015
RTP2	1	0	0	0	0.033478	0	0	0.059388	0	0	0	0.006696	0.011878	1.773905
RTP3	1	0.005816	0.006568	0	0	0	0	0	0	0.030068	0	0.002477	0.006014	2.427851
RTP4	1	1.100316	0.280193	0.565423	0.671953	0.292735	0.225816	0.206304	0.139397	0.613437	0.107594	0.582124	0.25851	0.44408
RTP5	1	4.323038	3.340905	2.125866	5.59008	3.910435	13.83403	5.069668	0.246637	0.54268	1.665706	3.858065	4.271743	1.107224
RTRAF	1	62.49935	62.33402	41.44087	51.11376	109.7305	171.5694	98.26469	176.6848	165.0636	251.2136	65.4237	172.5592	2.637564
RTTN	1	1.302749	1.664192	2.699108	2.150954	2.137269	1.63314	0.757855	1.459408	1.382798	0.971639	1.990855	1.240968	0.623334
RUBCN	1	8.31794	7.201317	7.461437	4.720406	7.243107	12.10592	12.7322	17.55065	6.171635	4.894105	6.988841	10.6909	1.52971
RUBCNL	0.92868	4.608523	5.657402	6.971472	10.83584	13.06159	1.552468	2.6724	1.328184	2.35436	3.028244	8.226964	2.187131	0.265849
RUFY1	1	12.4174	11.81664	9.465394	10.72134	16.93237	8.568567	10.80305	14.3303	8.286466	7.753561	12.27063	9.948389	0.810748
RUFY2	1	11.34924	12.0417	8.993312	7.974334	8.02525	5.487766	9.438818	9.713713	13.36972	6.11573	9.676766	8.825149	0.911994
RUFY3	1	31.22548	32.72593	25.58296	27.29771	34.20284	27.43915	43.51524	39.98468	40.13958	25.40342	30.20698	35.29641	1.168485

RUFY4	1	0.073829	0.012827	0.074418	0.081636	0	0.38637	0.313764	0.440322	0.264231	0.443709	0.048542	0.369679	7.61567
RUM1	0.000247	0.133223	0.285061	0.222043	0.335972	0.22833	0	0	0	0	0	0.240926	0	0
RUNDC1	1	8.02118	8.264225	7.291859	7.875837	11.3411	3.650214	5.466907	4.196294	3.783125	8.486922	8.55884	5.116693	0.597825
RUNDC3A	1	74.96918	79.43408	60.38358	76.72849	166.6409	175.4618	121.2608	103.5311	81.27736	169.6987	91.63126	130.2459	1.421414
RUNDC3B	1	10.68875	13.15177	7.161171	6.68726	14.37861	14.54765	15.8427	25.56507	15.81477	12.50783	10.41351	16.8556	1.618628
RUNX1	1	0.337363	0.328556	0.588077	0.630286	0.201576	0.485925	0.394612	0.223973	0.672016	0.01029	0.417172	0.357363	0.856634
RUNX1T1	1	6.192173	8.62119	5.410377	4.485356	9.101137	6.07235	9.235247	26.83065	12.666	17.11802	6.762046	14.38445	2.127233
RUNX2	1	1.232415	1.33101	1.085572	1.243041	1.425355	0.630214	1.001794	0.258252	0.21193	0.21722	1.263479	0.463882	0.367147
RUNX3	1	0.029437	0.044325	0.342877	0.346748	0	0	0	0	0.025363	0.016311	0.152677	0.008335	0.054592
RUSC1	1	14.45731	12.91477	20.17143	22.1519	22.72608	14.02895	15.16469	12.53064	8.223783	18.65079	18.4843	13.71977	0.742239
RUSC2	1	16.28065	14.86794	21.41524	23.33876	18.21144	37.0271	33.56766	28.46013	20.30687	37.88554	18.8228	31.44946	1.670817
RUVBL1	1	30.74516	31.11032	24.7331	32.62332	25.79136	20.41728	32.56233	22.71461	20.3929	26.51816	29.00065	24.52105	0.845535
RUVBL2	1	6.455238	6.056256	9.61555	10.9976	13.23536	25.17798	28.84099	29.51642	5.590397	13.77573	9.272002	20.5803	2.219618
RWDD1	1	29.65546	34.46328	15.65386	13.86226	32.51672	55.26379	40.17002	30.93289	30.68989	30.17411	25.23032	37.44614	1.484172
RWDD2A	1	4.318098	5.748889	4.519919	4.286166	5.527935	1.957644	3.775705	2.332856	2.122998	3.602578	4.880201	2.758356	0.565214
RWDD2B	1	6.793791	6.892291	3.930526	4.900446	7.839404	6.151595	3.669091	3.449845	6.83203	4.073626	6.071292	4.835237	0.79641
RWDD3	1	4.551464	3.092802	2.320094	1.949706	4.046531	4.233409	3.831374	1.460929	0.806147	0.437438	3.192119	2.15386	0.674743
RWDD4	1	9.105663	9.705011	9.636171	9.577631	10.29085	4.867163	6.020734	5.943823	6.29876	2.660599	9.663065	5.158216	0.533807
RXFP1	1	3.214048	5.080042	1.902837	2.327061	4.098227	6.957739	0.575998	0.100079	1.000932	0	3.324443	1.726949	0.51947
RXFP2	1	0.188457	0.385746	0.025724	0.084657	0.351594	0.246564	0.212745	0.060882	0.152227	0.254538	0.207235	0.185391	0.894592
RXFP3	1	1.038643	1.127615	0.580787	1.129984	0.476564	0.63021	1.215485	0.324193	0.31127	0.033364	0.870719	0.502904	0.577574
RXFP4	1	0	0	0.658022	0.461179	0	0	0	0	0.346133	1.057365	0.22384	0.2807	1.254018
RXRA	0.00108	3.252245	3.346867	8.815845	13.95235	5.060368	0.71643	0.786218	0.707608	2.161389	2.164986	6.885535	1.307326	0.189866
RXRB	1	9.99692	9.95741	12.18275	14.50602	25.77194	12.97466	17.36257	16.94872	9.612566	14.51324	14.48301	14.28235	0.986146
RXRG	1	0.713821	0.537415	1.021386	3.174615	0.734753	1.54579	0.889179	0.254459	0.339328	0.204588	1.236398	0.646669	0.523027
RXYLT1	1	6.230856	4.476792	3.107326	3.326433	5.511903	11.09189	16.05511	11.81754	8.877123	5.040234	4.530662	10.57638	2.3344
RYBP	1	14.75463	15.72224	11.31714	15.41679	13.61243	17.47219	20.42072	13.9812	14.75414	7.89798	14.16465	14.90525	1.052285
RYK	1	10.44322	8.298484	6.020462	5.905467	11.244	13.5415	17.53743	15.47275	13.15813	12.93223	8.382326	14.52841	1.733219
RYR1	1	1.177342	0.65298	3.003844	3.069717	0.827941	1.686825	2.109662	10.75622	19.11152	11.22336	1.746365	8.977518	5.140689
RYR2	1	10.60692	13.83029	12.56547	8.455647	6.951195	6.729505	17.40795	14.29028	14.75416	9.040282	10.4819	12.44443	1.18723
RYR3	1	0.797601	0.808317	1.320452	1.43682	0.294999	0.575298	1.757154	0.457728	0.353607	0.192892	0.931638	0.667336	0.716304
S100A1	1	185.9769	127.951	100.7551	120.9806	510.8278	292.2249	204.2967	146.1203	231.1228	510.6333	209.2983	276.8796	1.322895
S100A10	1	59.20331	29.67203	30.55881	33.15029	48.18062	211.8692	58.14472	28.76928	114.6116	43.2636	40.15301	91.3317	2.274592
S100A11	1	22.3551	6.971934	17.74079	15.49136	36.94531	50.67366	16.50193	13.43616	43.33791	34.3529	19.9009	31.66051	1.590909
S100A12	1	0.030588	0.189986	1.36945	1.209149	0.539533	3.841818	0.064997	0	0	0.076271	0.667741	0.796617	1.193003
S100A13	1	12.24278	13.82584	21.37137	33.8065	78.68986	81.06568	34.74812	43.63603	60.31933	117.9532	31.98727	67.54447	2.111605
S100A14	1	23.32249	11.49469	12.39836	12.54484	70.28549	13.7713	8.31662	16.25992	12.42978	18.45227	26.00917	13.84598	0.53235
S100A16	1	30.52551	29.45282	21.48604	28.61712	115.2504	67.63743	46.33227	44.89027	97.68934	183.661	45.06637	88.04206	1.953609
S100A2	1	1.237831	0.578437	1.957616	0.255653	1.158299	0	0	0	0.22066	0.283819	1.037567	0.100896	0.097243
S100A3	1	0.130084	0	0.071025	0.019478	0.088251	0	0	0	0.084061	0.02703	0.061768	0.022218	0.359707
S100A4	1	48.924	8.113351	15.09347	27.87632	47.57452	26.56392	1.244545	0.403643	19.3777	3.440051	29.51633	10.20597	0.345774
S100A5	1	0.227773	0.093536	0	0.099217	0.6181	0	0	0	0	0	0.207725	0	0
S100A7	1	0.027844	0	0	0.033354	0.07556	0	0	0	0	0.023143	0.027352	0.004629	0.169226
S100A8	1	0.388326	0	0.385495	1.184079	0.766393	2.401738	0	0	0	0.117369	0.544859	0.503821	0.924682
S100A9	1	1.039445	0.266784	2.47648	2.320497	1.53857	1.236308	0.100399	0.122108	0.244252	0.235623	1.528355	0.387738	0.253696
S100B	1	937.4286	750.1735	904.0599	814.8815	1750.1	722.8526	427.7458	1276.756	1108.324	1435.36	1031.329	994.2076	0.964007

S100G	1	0	0	0.181892	0	0.226009	0	0	0	0	0.138448	0.08158	0.02769	0.339416
S100PBP	1	8.461041	6.564801	10.80949	10.70259	9.255573	12.7332	14.09464	27.45281	10.94646	9.189667	9.1587	14.88336	1.625051
S100Z	1	0.017097	0.096538	0	0	0	0.089473	0	0	0	0	0.022727	0.017895	0.787378
S1PR1	1	18.55279	14.35423	26.72313	21.88493	17.14146	19.0412	20.14574	25.70951	24.64821	26.4377	19.73131	23.19647	1.175618
S1PR2	1	1.129782	0.763946	1.59924	1.854603	1.362603	0.875929	1.052172	0.630833	0.685004	2.701181	1.342035	1.189024	0.885986
S1PR3	1	1.420018	1.096679	2.481011	2.370468	2.287216	0.479446	0.38935	1.207534	3.196878	0.418806	1.931078	1.138403	0.589517
S1PR4	1	0	0	0.047473	0	0.029494	0	0	0	0	0.009034	0.015393	0.001807	0.11737
S1PR5	1.80E-05	3.495455	5.289711	10.66239	11.67359	9.676266	0.635401	0.285157	0.181667	0.495528	0.966665	8.159483	0.512884	0.062857
SAA2	1	0	0	0	0	0	0	0.145829	0	6.031192	0.114081	0	1.25822	#DIV/0!
SAA3	1	0	0	0.6761	1.85419	0.186685	0.180012	0	0.088898	0.533464	0	0.543395	0.160475	0.295319
SAA4	1	0	0.113693	0.043974	0	0.02732	0	0	0	0	0	0.036997	0	0
SAAL1	1	2.719828	2.992082	3.098016	1.95203	0.604455	24.4796	9.939739	14.08878	10.36358	5.651577	2.273282	12.90465	5.676661
SAC3D1	1	1.735942	1.804145	1.703306	1.521934	0.750993	3.949893	2.566114	2.86092	1.69079	11.31284	1.503264	4.476111	2.977595
SACM1L	1	17.07019	22.05086	16.46857	17.34929	26.62889	19.36071	21.677	25.94396	24.33363	23.81415	19.91356	23.02589	1.156292
SACS	1	7.131185	6.874633	9.666247	8.502734	3.213403	1.984016	6.752912	5.019963	8.541968	4.650649	7.07764	5.389902	0.761539
SAE1	1	35.34754	27.97787	22.46985	22.63598	48.16591	34.99595	36.90396	25.71693	22.43376	32.49136	31.31943	30.50839	0.974104
SAFB	1	41.7806	38.2349	42.07955	46.34978	26.72879	17.41536	17.77673	29.36202	23.03238	31.71574	39.03473	23.86045	0.611262
SAFB2	1	30.68783	32.11055	30.99126	37.6796	21.23147	23.40596	27.59612	38.68715	31.87541	35.65348	30.54014	31.44362	1.029583
SAG	1	0.079617	0.094908	0.270482	0.132463	0.15604	0.11574	0	0.08002	25.83893	0.132351	0.146702	5.233409	35.67371
SALL1	1	1.644989	1.699551	4.23136	4.883837	0.514702	1.771847	2.373035	0.641372	1.631155	0.156174	2.594888	1.314717	0.506656
SALL2	1	18.66256	17.07519	28.1197	25.60283	17.84461	21.42863	21.26468	53.59765	43.94831	41.17976	21.46098	36.28381	1.690688
SALL3	1	2.415153	2.428515	3.66451	6.197622	2.232136	1.16776	1.236534	0.056538	0.294042	0.040002	3.387587	0.558975	0.165007
SALL4	1	0.005081	0.022954	0	0.036522	0	0.079778	0.064786	0.105061	0.078807	0.101364	0.012911	0.085959	6.657607
SAMD1	1	5.795801	8.219127	11.99874	15.95877	6.165914	11.05491	6.58225	11.51519	7.295542	12.7182	9.62767	9.833218	1.02135
SAMD10	1	2.870049	2.400486	4.877345	4.426442	8.761914	0.938744	0.343052	0.718568	0.278196	1.341838	4.667247	0.72408	0.155141
SAMD11	1	1.593149	1.631489	4.040563	3.105462	1.751006	0.537901	0.679499	0.383701	1.948301	2.857174	2.424334	1.281315	0.528523
SAMD12	1	17.74801	21.23492	18.79633	14.97779	14.04221	18.10031	16.29915	17.91997	11.39174	17.1047	17.35985	16.16317	0.931066
SAMD13_1	1	0.566443	0.548303	0.481982	0.431797	0.798514	0.50048	0.812863	1.102707	0.798628	0.171203	0.565408	0.677176	1.197677
SAMD13_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SAMD14	1	7.24666	7.018276	20.45855	17.68246	18.64389	14.32226	4.300999	23.70912	24.7884	74.29699	14.20997	28.28355	1.990402
SAMD15	1	1.093177	1.117514	0.611008	0.633033	1.195045	1.057427	1.926614	1.231864	1.312394	1.980861	0.929955	1.501832	1.614951
SAMD3	1	0.01241	0.018687	0.036138	0.014866	0.022452	0.108245	0.00879	0.181751	0.149699	0.027507	0.020911	0.095198	4.552643
SAMD4A	1	9.457324	7.230921	9.874393	7.589969	6.158892	7.268814	10.27083	5.629361	6.419673	2.601674	8.0623	6.43807	0.79854
SAMD4B	1	7.516365	6.503297	14.12798	17.56536	9.615858	22.28247	12.67178	10.76551	8.049372	15.92358	11.06577	13.93854	1.259609
SAMD5	1	1.132358	1.137477	1.461955	1.453869	0.152794	0.065481	0.797637	0.032337	0.161709	0.103998	1.067691	0.232232	0.217509
SAMD7	1	0	0	0	0	0	0	0	0	0.292221	0.023491	0	0.063142	#DIV/0!
SAMD8	1	12.18359	14.33717	10.72124	9.536984	9.646093	4.595521	9.164616	9.362597	7.2533	3.775929	11.28502	6.830393	0.605262
SAMD9	1	0.482937	0.314353	0.31495	0.349515	0	0.860007	1.852891	1.473479	0.936228	0.395826	0.292351	1.103686	3.775211
SAMHD1	1	5.540318	5.584152	4.607281	4.62711	4.313485	10.97438	10.39152	10.23224	5.919086	2.433187	4.934469	7.990082	1.619238
SAMM50	1	25.8803	25.97242	18.95305	20.05068	29.39259	19.93465	49.03504	34.78422	24.42955	29.69671	24.04981	31.57604	1.312943
SAMSN1	1	0.833533	0.857907	0.414776	0.783621	0.715802	1.214777	4.102945	2.917741	3.327254	0.420945	0.721128	2.396732	3.323589
SAO	1	0	0	0	0.008541	0	0.223887	0.030303	0.036855	0.073721	0.106675	0.001708	0.094288	55.19607
SAP130	1	5.746845	5.647287	6.871061	6.256856	5.020729	6.508284	7.315926	7.792713	7.353963	7.311768	5.908556	7.256531	1.22814
SAP18	1	69.93889	53.18996	25.57443	30.10018	71.89941	40.60575	28.28351	30.17172	39.41841	42.7363	50.14057	36.24314	0.722831
SAP25	1	1.507543	0.684173	3.753967	3.426101	6.72908	11.35493	3.832167	10.81457	4.588667	5.269707	3.220173	7.172008	2.227212
SAP30	1	3.440276	4.080602	3.496816	1.91799	8.807339	11.2101	10.43688	12.86148	16.33087	6.582116	4.348605	11.48429	2.640913

SAP30BP	1	19.00349	17.32112	15.99506	20.82641	17.72	7.805447	8.829995	7.460027	8.400944	15.80124	18.17321	9.65953	0.531526
SAP30L	1	3.936645	4.151451	7.258243	7.326626	5.138762	7.399339	5.91436	7.119362	4.43485	3.670777	5.562346	5.707737	1.026139
SAPCD1	1	0.24249	0.246461	1.774125	0.580955	0.888353	3.299482	1.391256	3.791551	2.569855	1.390695	0.746477	2.488568	3.33375
SAPCD2	3.99E-07	1.660943	1.822933	5.535371	7.247951	2.146311	0.16933	0.084034	0.037165	0.037171	0.191241	3.682702	0.103788	0.028183
SAR1A	1	29.51281	28.87741	21.70887	23.40504	25.32026	24.86228	39.01269	28.6341	29.59533	23.5216	25.76488	29.1252	1.130423
SAR1B	1	11.92218	13.68905	10.35471	8.84093	4.621838	14.85539	28.07284	21.13629	12.21562	8.672247	9.88574	16.99048	1.718685
SARAF	1	80.87675	76.27	70.93803	64.01158	128.7095	46.33652	68.48252	74.99971	63.81952	54.48116	84.16116	61.62389	0.732213
SARDH	1	0.661236	0.456061	0.920744	1.642658	0.975467	0.023225	0.160313	0	1.904182	2.102487	0.931233	0.838041	0.899926
SARM1	1	1.817505	2.406736	5.968114	4.812437	1.061045	1.394135	1.360411	2.365275	4.153717	4.428381	3.213167	2.740384	0.852861
SARNP	1	33.35058	29.1902	18.81694	22.1496	70.01138	55.64502	41.55413	37.15418	33.53121	29.15484	34.70374	39.40788	1.135551
SARS	1	73.43091	73.24268	51.88514	57.53678	107.8162	58.45209	144.8592	71.56294	77.38935	104.2074	72.78233	91.29419	1.254345
SARS2	1	2.607642	2.580858	5.439033	6.504738	6.281194	6.593322	6.039184	9.566275	5.60428	10.60152	4.682693	7.680916	1.640277
SART1	1	16.92059	14.6389	17.65261	25.87568	19.91489	15.09712	11.3664	15.85885	18.03545	43.79597	19.00053	20.83076	1.096325
SART3	1	11.38947	10.79657	15.82603	16.42114	10.48325	12.13543	19.37013	32.70317	12.50445	26.42658	12.98329	20.62795	1.588808
SASH1	1	14.08887	11.64943	26.1768	32.35074	8.164882	7.407911	14.37067	8.008513	20.80191	8.016835	18.48614	11.72117	0.634052
SASH3	1	0.337612	0.315907	0.589865	0.762627	0.41882	1.53967	0.461191	0.174508	0.324133	0.104227	0.484966	0.520746	1.073778
SASS6	1	4.484117	4.932409	3.243182	3.511238	2.449487	0.431749	0.876542	2.470803	1.204221	0.556637	3.724086	1.107991	0.29752
SAT1	1	62.7042	55.79817	59.16397	51.67361	182.5725	214.9959	101.0051	68.25817	121.6632	39.32959	82.38249	109.0504	1.323708
SAT2	1	15.49699	10.70885	10.63695	10.54156	29.03711	19.11663	9.33026	10.20349	7.629891	20.24092	15.28429	13.30424	0.870452
SATB1	1	38.66447	33.17294	16.10586	19.65171	19.32979	43.79763	33.3639	31.82877	33.7436	27.14874	25.38495	33.97653	1.338451
SATB2	1	11.08359	12.05945	2.033426	5.546073	11.1708	9.478223	15.68557	0.502687	1.813232	0.916991	8.378666	5.67934	0.677833
SAV1	1	3.952792	4.032168	4.472923	4.12168	3.167953	6.180867	5.048394	6.210621	9.176115	5.390601	3.949503	6.401319	1.620791
SAXO1	1	0.125625	0.212803	0.091453	0	0	0.109572	0	0.054112	0.108239	0.052208	0.085976	0.064826	0.754001
SAXO2	1	0.718503	0.884662	0.632032	0.747127	1.638358	0	0.116629	0.245012	1.315518	3.798831	0.924137	1.095198	1.185104
SAYSD1	1	0.516526	0.746644	1.579301	1.163237	1.065278	1.08126	0.96588	1.388329	0.961291	2.060732	1.014197	1.291498	1.273419
SBDS	1	43.33404	38.47479	32.10727	36.60982	36.02529	28.3726	30.75363	36.95045	98.62772	36.86075	37.31024	46.31303	1.241295
SBF1	1	9.800631	9.162597	23.2492	27.11867	4.492247	21.01941	13.3495	16.02793	12.54652	28.53724	14.76467	18.29612	1.239182
SBF2	1	10.01093	10.20528	9.098331	5.973402	6.73524	8.68125	6.664776	10.70818	10.69673	5.883319	8.404637	8.526851	1.014541
SBK1	1	3.308483	3.66099	12.44717	7.08966	5.781506	7.959296	4.021204	9.6748	8.66673	25.04997	6.457561	11.0744	1.714951
SBK2	1	0	0.146778	0	0.181641	0.117567	0	0	0	0	0.072019	0.089197	0.014404	0.161482
SBK3	1	0.010533	0.023791	0	0	0	0	0	0	0.272267	0.700395	0.006865	0.194532	28.33769
SBNO1	1	10.56193	12.88473	12.11568	11.04677	8.954953	8.353013	12.25729	11.43066	14.81411	12.03369	11.11281	11.77775	1.059836
SBNO2	1	1.136901	1.152805	3.064341	3.181731	1.738127	1.089395	0.931466	1.991599	1.852198	4.07262	2.054781	1.987456	0.967235
SBSN	1	0.412551	0.510267	0.686472	1.023683	2.425642	0.616861	0.229599	0.609265	0.507795	2.155362	1.011723	0.823776	0.814231
SBSPON	1	1.182661	0.184643	0.559427	0.457001	0.073948	0.228175	0.32427	0.225366	0.084524	0.271794	0.491536	0.226826	0.461463
SC5D	1	28.59701	30.44625	27.79087	25.7756	17.82267	6.975	20.28804	16.55482	26.9841	11.33055	26.08648	16.4265	0.629694
SCAF1	1	8.6946	9.127754	18.36495	24.06141	7.897566	14.56624	8.688728	6.666229	11.57679	31.76265	13.62926	14.65213	1.07505
SCAF11	1	7.694206	8.898387	12.45988	10.57835	3.352528	8.767037	8.789199	11.41773	20.47571	10.76951	8.596672	12.04384	1.400988
SCAF4	1	8.189903	7.860197	8.364691	8.45403	3.020449	6.486299	7.457009	9.069493	7.362183	7.069767	7.177854	7.48895	1.043341
SCAF8	1	13.56097	11.42746	10.54884	9.180015	6.403187	7.625677	9.779603	10.1586	9.640837	8.019336	10.22409	9.044811	0.884657
SCAI	1	3.572876	5.820766	4.777433	4.23883	2.637809	2.334048	5.300989	8.921454	7.634802	7.039185	4.209543	6.246096	1.483794
SCAMP1	1	46.27084	54.98303	31.59931	35.50119	29.47911	14.86924	57.92259	51.79062	58.77309	33.92818	39.5667	43.45675	1.098316
SCAMP2	1	7.897637	6.919934	14.09658	13.84593	16.14603	16.7779	12.22026	12.63975	14.22179	14.85377	11.78122	14.14269	1.200444
SCAMP3	1	25.27304	24.94791	24.75631	27.8827	54.28591	32.9644	31.39572	29.72876	25.83749	46.63742	31.42917	33.31276	1.059931
SCAMP4	0.10733	5.26942	5.50835	9.572348	13.68036	9.528553	1.5121	2.039648	0.949246	2.658276	3.500558	8.711806	2.131966	0.244721
SCAMP5	1	61.98361	56.65737	57.02213	72.03033	107.1682	53.15412	83.06304	83.67123	48.21167	98.30167	70.97234	73.28035	1.03252

SCAND1	1	21.46386	25.41049	18.07099	29.43851	61.305	11.56312	5.222111	2.505569	5.594642	47.11123	31.13777	14.39933	0.462439
SCAP	1	9.096867	8.217632	12.11352	15.83453	10.47345	13.88876	13.15032	12.75668	14.00303	17.75732	11.1472	14.31122	1.28384
SCAPER	1	8.179778	7.188617	4.901701	5.676318	2.560494	4.302531	5.793872	8.176351	6.689084	7.294683	5.701382	6.451304	1.131533
SCARA3	1	11.01345	7.065665	7.435847	11.12089	11.8983	11.48729	15.5865	6.210502	16.63921	13.06676	9.706829	12.59805	1.297855
SCARA5	1	7.377317	1.025988	2.222687	2.575051	1.724435	1.428961	1.983289	1.154753	3.670082	4.126367	2.985095	2.47269	0.828345
SCARB1	1	8.083334	6.961562	9.73946	10.11547	20.06673	16.69016	22.6465	10.22946	9.505108	4.379037	10.99331	12.69005	1.154343
SCARB2	1	77.17874	81.70771	82.38509	96.07631	75.37826	55.44139	64.26589	48.80096	106.2912	71.94286	82.54522	69.34845	0.840127
SCARF1	1	1.395407	1.474897	6.322776	6.144875	5.093818	3.378436	1.350682	1.244896	1.078211	0.767707	4.086355	1.563986	0.382734
SCARF2	1	0.663455	0.576341	2.662618	3.226544	1.800399	1.394766	0.578383	0.454312	1.026015	0.640992	1.785871	0.818894	0.45854
SCCPDH	1	38.78426	48.61775	42.58723	61.93632	34.15022	45.16036	90.36062	97.29306	65.86283	34.84616	45.21515	66.70461	1.475271
SCD	1	44.41529	49.94623	135.8613	140.7275	54.30482	177.579	142.9093	89.78171	110.4815	55.96585	85.05102	115.3435	1.356168
SCD5	1	87.42218	97.85884	145.7076	163.8102	169.5132	71.52286	113.1957	47.25234	137.9765	81.8752	132.8624	90.36451	0.680136
SCEL	0.563897	0.19059	0.098892	0.089998	0.030852	0.055913	1.482654	0.820936	0.772137	0.665732	0.565147	0.093249	0.861321	9.236765
SCFD1	1	26.35424	28.14792	15.24565	14.64686	29.18375	19.56608	31.96378	30.72204	27.4376	16.02293	22.71568	25.14249	1.106834
SCFD2	1	8.569461	7.623125	5.88555	10.20286	9.675313	5.783164	12.5053	7.813519	17.08445	15.05115	8.391262	11.64752	1.388053
SCG2	1	157.7802	113.7836	71.88044	112.5941	89.41534	39.88888	78.11527	28.74346	16.52031	8.060773	109.0907	34.26574	0.314103
SCG3	1	126.9879	117.2432	54.35518	76.33851	92.19935	28.23488	105.7904	89.58604	66.32109	31.2337	93.42483	64.23322	0.687539
SCG5	1	190.7373	186.0492	103.1327	112.9069	346.0878	72.38218	140.2883	82.72047	118.8945	190.3896	187.7828	120.935	0.644015
SCGB1A1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SCGB1C1	1	0	0	0	0	0.242691	0	0	0	0	0	0.048538	0	0
SCGB1D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SCGB2A2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SCGB3A2	1	0.195126	0.165268	0	0	0	0	0	0	0	0.810911	0.072079	0.162182	2.250071
SCGN	1	0.168871	0	0.210747	0.346782	0.687391	0	0	0	0.249429	0.020051	0.282758	0.053896	0.190609
SCHIP1	1	20.13725	19.21865	17.16333	19.61913	34.43627	55.59023	45.75921	32.36312	28.59924	27.6902	22.11493	38.0004	1.718314
SCIMP	1	0.19815	0.055943	0	0.02967	0.067214	0.550897	0.500007	0.176037	0.160057	0.020587	0.070195	0.281517	4.010472
SCIN	1	0.681772	0.450336	1.699665	0.886032	0.471253	0	0.164007	1.047226	1.629256	1.154716	0.837811	0.799041	0.953724
SCLT1	1	2.216978	2.98118	2.071284	1.534085	1.917955	1.138088	1.052586	0.983564	1.655127	0.833473	2.144296	1.132568	0.528177
SCLY	1	1.203787	1.247008	4.487129	3.892339	0.761407	2.320982	1.192444	1.520471	1.871621	10.03557	2.318334	3.388217	1.461488
SCMH1	1	3.190421	3.082658	2.813069	3.993885	5.955567	11.84831	9.737613	13.26444	7.939333	8.498848	3.80712	10.25771	2.694348
SCML1	1	1.463377	1.622769	1.315304	1.961807	1.548308	0.774127	1.6839	1.979754	2.758404	1.949609	1.582313	1.829159	1.156003
SCML2	0.721476	0.406755	0.485751	0.530961	0.352836	0.48212	1.149979	1.68893	5.89659	3.963858	0.854919	0.451685	2.710855	6.001656
SCML4	1	0.009344	0.021104	0.013604	0.067157	0.016904	0.521587	0.277969	0.152939	0.177113	0.056952	0.025622	0.237312	9.261876
SCN10A	0.122639	0.005243	0.005921	0	0.015702	0.014228	0.164634	0.289676	0.237135	0.16263	0.161243	0.008219	0.203064	24.70714
SCN11A	0.008776	0.210738	0.170499	0.075563	0.030142	0.085354	1.26747	2.720269	1.861536	2.130102	1.009124	0.114459	1.7977	15.70602
SCN1A	1	13.34784	27.72114	21.46053	15.16707	9.713712	8.646872	39.52834	13.2902	29.56633	12.08292	17.48206	20.62293	1.179663
SCN1B	1	55.52809	75.54462	65.71972	62.9797	220.6396	55.1257	128.7533	75.37881	49.90894	153.4077	96.08235	92.51491	0.962871
SCN2A	1	40.98019	51.33705	30.14449	28.20831	19.18622	13.25127	55.1454	79.58135	69.02675	57.31906	33.97125	54.86477	1.615035
SCN2B	1	69.80448	68.48601	45.83654	53.30982	98.74563	38.42166	61.83295	106.0303	65.70009	40.02217	67.23649	62.40143	0.928089
SCN3A	1	5.476772	9.298051	4.457828	7.234924	2.524643	5.622154	12.8295	7.196591	18.01631	21.70155	5.798444	13.07322	2.254609
SCN3B_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SCN3B_2	1	30.17078	23.66943	16.03967	24.21231	1.435638	7.328737	52.27442	33.90028	26.9472	32.38405	19.10557	30.56694	1.599897
SCN4A	1	0.006954	0.007853	0.050625	0.022214	0.012581	0.036393	0.669902	0.221663	0.011984	0.003853	0.020046	0.188759	9.41647
SCN4B	1	13.12409	18.76363	25.6922	26.68984	36.13165	3.921486	20.96665	9.425529	3.761804	3.218492	24.08028	8.258792	0.342969
SCN5A	1	0.228286	0.562707	0.249283	0.339198	0.536099	0.275698	1.511259	0.181536	0.204257	0.018245	0.383115	0.438199	1.14378
SCN7A	1	0.124738	0.126194	0.448363	0.345541	0.056416	0.176799	2.081843	0.920122	6.891844	0.483831	0.22025	2.110888	9.584036

SCN8A	1	23.18795	25.94929	18.86895	19.12887	19.80079	12.2668	41.01642	18.49071	18.57686	14.61446	21.38717	20.99305	0.981572
SCN9A	1	0.220654	0.358205	0.702771	0.80122	0.006237	0.878095	1.997619	1.865251	2.875519	2.265759	0.417817	1.976449	4.730412
SCNM1	1	12.39935	12.19165	7.365676	10.11991	34.4553	60.47735	24.09963	29.09723	13.9311	27.78478	15.30638	31.07802	2.030397
SCNN1A	1	0.103144	0.02912	0.272193	0.25226	0.13995	0	1.059354	0.166607	0.133305	0.100019	0.159334	0.291857	1.831734
SCNN1B	3.37E-06	0.288469	0.437218	0.530531	1.091229	0.906413	4.290599	2.12931	6.238933	2.354657	12.30379	0.650772	5.463459	8.395348
SCNN1D	0.025612	0.38784	0.49108	0.829917	1.013655	0.882375	0.041004	0.024974	0.030374	0	0.058611	0.720973	0.030993	0.042987
SCNN1G	1	0.179975	0.029889	0.069363	0.342408	0.215467	0.193914	0.134978	1.340681	0.05473	0.228783	0.16742	0.390617	2.33315
SCO1	1	6.79656	6.786547	5.091953	5.313063	6.085189	3.00507	3.292392	3.825223	4.990148	3.505471	6.014662	3.723661	0.619097
SCO2	1	1.082812	1.459171	6.160455	7.128569	4.469326	2.809546	2.126902	1.505058	1.128958	4.235283	4.060067	2.36115	0.581554
SCOC	1	82.4564	62.74776	50.20192	59.03422	97.03545	96.38908	109.5556	72.24496	72.58348	49.4519	70.29515	80.04499	1.138699
SCP2	1	28.75837	26.09092	18.43083	24.28857	33.87705	33.50619	28.96136	31.18627	33.9903	25.07007	26.28915	30.54284	1.161804
SCP2D1	0.534875	0.292748	0.254309	0.393446	0.35068	0.611093	0	0	0	0	0.037434	0.380455	0.007487	0.019679
SCPEP1	1	7.025514	3.497644	7.822997	5.665862	6.713005	11.91038	9.651194	10.02473	14.5789	20.24865	6.145004	13.28277	2.161556
SCRG1	1	4.264184	3.833331	2.235747	2.600121	9.942379	61.95272	21.52438	3.779607	5.451385	2.17517	4.575152	18.97665	4.147764
SCRIB	1	6.175987	6.152451	14.54806	17.69913	6.881916	3.523647	2.295007	2.853105	6.184099	6.721268	10.29151	4.315425	0.419319
SCRN1	1	98.48286	91.12595	76.56691	73.59559	50.76877	52.56865	72.16366	98.92935	84.76277	77.04418	78.10802	77.09372	0.987014
SCRN2	1	1.973709	2.42274	4.551462	4.038389	8.4831	6.736346	3.021787	6.399934	10.20336	17.97397	4.29388	8.867079	2.06505
SCRN3	1	4.677149	3.913431	4.290179	3.295423	1.799991	6.275027	9.767038	8.13181	10.6828	2.975698	3.595235	7.566474	2.104584
SCRT1	1	6.418851	11.86119	30.79537	28.8898	20.31187	8.212002	9.213211	5.214138	12.01264	25.55776	19.65542	12.04195	0.612653
SCRT2	1	0.075532	0.170598	2.357951	0.489655	0.590795	0.395285	0.538155	0.355969	1.378146	1.137425	0.736906	0.760996	1.03269
SCT	1	0.1876	0.117699	0.227618	0.149817	0.452521	0	0.13288	0	0	0.138602	0.227051	0.054296	0.239138
SCTR	1	0	0	0	0.054973	0.062267	0.480325	0	0	0.711719	1.792724	0.023448	0.596954	25.45883
SCUBE1	1	3.203557	3.005001	1.606554	2.551095	2.144084	0.154464	1.519724	0.299256	0.082161	0.158516	2.502058	0.442824	0.176984
SCUBE2	1	4.977634	4.960128	4.087864	3.26943	4.579627	4.257691	5.595239	5.860376	4.319548	7.05913	4.374937	5.418397	1.238509
SCUBE3	1	0.180759	0.108871	0.27634	0.202095	0.163507	0.315324	0.396908	0.233581	1.090203	0.190305	0.186314	0.445264	2.389855
SCX	1	0	0	0.032488	0.03564	0	0	0.031611	0.153784	0.23071	0.012364	0.013626	0.085694	6.289167
SCYL1	1	17.47348	13.53024	17.70592	24.4448	12.95247	31.27791	25.70896	23.74166	11.97984	25.10256	17.22138	23.56219	1.368194
SCYL2	1	12.92684	12.57143	9.352391	7.961881	5.412786	21.10372	31.48095	23.98506	28.81724	16.3518	9.645066	24.34775	2.524374
SCYL3	1	6.443076	6.232899	5.623363	6.504355	4.722888	3.711867	5.54741	9.35025	8.042077	6.737436	5.905316	6.677808	1.130813
SDAD1	1	5.038773	5.917078	3.508278	4.344656	3.661044	9.490411	14.01395	12.244	9.47223	8.991553	4.493966	10.84243	2.412664
SDC1	1	0.18549	0.043641	0.286948	0.129615	0.041947	0.161788	0.525543	0.918829	1.118737	0.449672	0.137528	0.634914	4.616609
SDC2	1	12.29581	6.145657	8.318395	5.774253	8.649062	16.54191	28.60197	23.2275	46.32558	24.45939	8.236636	27.83127	3.378961
SDC3	1	29.26495	28.65678	54.91641	60.29212	6.716509	18.3319	41.77804	16.17229	18.95898	31.64383	35.96935	25.37701	0.705517
SDC4	1	6.366523	3.672581	10.34513	11.23574	16.15632	1.629896	4.648031	2.863992	7.638424	11.93178	9.555258	5.742425	0.60097
SDCBP	1	64.25827	50.70862	43.20038	61.22434	111.9243	29.47723	34.54363	14.14798	39.80102	28.51915	66.26319	29.2978	0.442143
SDCBP2	1	4.359411	7.170914	4.90707	4.402957	19.61727	2.875743	1.34931	1.546403	1.325681	1.90812	8.091524	1.801051	0.222585
SDCCAG8	1	4.337615	3.709394	1.619842	1.792819	2.7675	2.460628	2.828488	1.403429	3.663141	1.60724	2.845434	2.392585	0.840851
SDE2	1	10.10987	9.77797	8.710537	7.544525	7.432415	16.18293	10.43305	9.785911	7.634121	14.37215	8.715063	11.68163	1.340395
SDF2	1	22.52091	25.34184	17.15885	19.98345	44.10163	50.41056	46.08337	43.3227	33.6617	45.04102	25.82134	43.70387	1.692549
SDF2L1	1	2.963109	2.435878	3.854238	6.055012	3.843079	2.280429	1.805602	0.394161	0.225268	9.126987	3.830263	2.766489	0.722271
SDF4	1	33.48789	24.43103	20.57915	25.3194	19.70574	24.76956	22.8245	26.00057	28.21095	49.38091	24.70464	30.2373	1.223952
SDHA	1	71.57405	66.89988	86.02963	94.67825	51.67777	40.38746	100.4821	90.0046	69.45661	136.8361	74.17192	87.43337	1.178794
SDHAF1	0.061298	8.484581	7.312873	7.012407	9.583463	30.95876	1.220367	0.800456	1.298059	0.92732	2.564401	12.67042	1.36212	0.107504
SDHAF2	1	24.36014	20.63253	15.38842	23.09367	49.11703	33.79027	22.7094	19.29339	14.21825	23.33887	26.51836	22.67004	0.854881
SDHAF3	1	1.86037	1.34345	3.012683	2.486247	2.472702	7.48408	2.823709	2.48578	3.990911	1.80925	2.23509	3.718746	1.663801
SDHAF4	1	3.944325	3.148764	2.227824	2.606832	9.411787	18.38794	11.00673	7.323192	7.734416	13.67881	4.267906	11.62622	2.724103

SDHB	1	95.45822	100.7635	71.85301	87.17781	243.001	89.80134	87.53296	82.49734	80.32655	95.03597	119.6507	87.03883	0.727441
SDHC	1	10.87467	10.61286	14.64205	13.54707	31.78936	23.94644	19.81575	11.67609	9.50692	11.60222	16.2932	15.30949	0.939624
SDHD	1	31.67446	29.91137	24.77109	24.18824	65.31957	95.1589	95.16416	66.11963	52.2592	54.23883	35.17295	72.58814	2.063749
SDK1	1	0.959923	0.842508	1.228944	1.018732	0.214197	0.279829	0.584342	0.210578	0.750292	1.540688	0.852861	0.673146	0.789279
SDK2	1	1.182395	1.205936	1.955009	3.757323	1.042447	1.106622	1.763639	0.906276	1.521307	1.602307	1.828622	1.38003	0.754683
SDR16C5	0.006551	0.748839	1.285416	0.719591	1.291723	1.137977	7.994596	8.560898	7.70262	16.1043	14.63908	1.036709	11.0003	10.61079
SDR16C6	1	0.024391	0.206585	0	0	0.761168	0	0	0	0	0.020273	0.198429	0.004055	0.020433
SDR39U1	1	5.85487	6.450903	6.997938	7.63649	19.14322	9.042885	10.83712	6.568579	6.981486	15.40786	9.216685	9.767587	1.059772
SDR42E1	1	1.398909	1.514954	1.721379	2.394815	1.062364	0.655608	2.174	2.306842	1.079381	0.885061	1.618484	1.420178	0.877474
SDR42E2	1	0.588475	1.027458	0.338212	0.588988	1.691484	0.141828	0.386662	0.150087	0.200145	0.064358	0.846924	0.188616	0.222707
SDR9C7	1	0.034941	0	0	0.010464	0	0.045715	0.296993	0.248335	0.180633	0	0.009081	0.154335	16.99534
SDS	1	0.773392	0.40129	6.870356	5.896674	0.964282	2.515959	1.48796	1.70167	2.107136	3.544184	2.981199	2.271382	0.761902
SDSL	3.38E-05	21.55872	9.441684	30.77733	25.12708	44.60369	1.772845	1.007788	1.015588	2.101523	3.851829	26.3017	1.949915	0.074136
SEBOX	1	0	0	0	0	0	0	0	0	0.934122	0	0	0.186824	#DIV/0!
SEC1	1	0.51813	0.723869	1.469882	0.409511	0.347885	0	0	0	0.165683	0.079915	0.693855	0.04912	0.070792
SEC11A	1	11.14207	9.668688	6.195426	6.407386	16.60193	24.59398	21.1344	20.18373	19.52408	13.38004	10.0031	19.76325	1.975712
SEC11C	1	59.09278	49.69201	41.37605	36.0129	90.44876	56.33945	88.75753	75.20674	88.58432	58.18112	55.3245	73.41383	1.326968
SEC13	1	13.14238	11.90533	11.7896	16.23409	19.17424	16.93575	23.93304	17.74983	15.04937	24.73646	14.44913	19.68089	1.362082
SEC14L1	1	16.69758	18.86108	22.94516	26.28291	18.80226	6.247543	12.99884	13.69231	7.62363	4.351616	20.7178	8.982787	0.433578
SEC14L2	1	19.85224	14.32226	4.469641	8.084182	18.42547	11.42922	23.55395	8.282955	6.272293	21.71402	13.03076	14.25049	1.093604
SEC14L3	1	0.148373	0.052913	0	0.037418	0.127148	0	0.099564	0.040364	0	0.025963	0.07317	0.033178	0.453437
SEC14L4	1	0.100552	0.050468	0.146401	0.053534	0.060637	0	0	0	0	0	0.082318	0	0
SEC14L5	1	1.35446	2.886966	8.089142	5.824469	4.660965	2.584487	3.757812	1.623568	2.909707	0.585528	4.5632	2.29222	0.502327
SEC14L6	1	0	0	0	0	0	0	0	0	0	0.017292	0	0.003458	#DIV/0!
SEC16A	1	4.770308	4.837339	12.68187	12.85605	4.783808	1.797861	2.999285	4.236367	2.831422	3.700594	7.985874	3.113106	0.389827
SEC16B	1	0.673212	0.779756	0.634603	0.80299	0.968088	1.595951	1.436654	0.200755	0.46106	0.258254	0.77173	0.790535	1.024368
SEC22A	1	1.180757	0.982362	1.021525	1.024943	1.10676	1.388101	1.703002	2.47666	2.182137	1.569301	1.063269	1.86384	1.752933
SEC22B	1	22.96587	20.87455	13.47518	13.96894	21.82721	19.09065	24.38696	19.55516	18.48071	14.02797	18.62235	19.10829	1.026095
SEC22C	1	5.356586	5.257491	4.981955	5.79754	3.247468	2.881977	4.163222	3.503371	3.766672	2.605488	4.928208	3.384146	0.686689
SEC23A	1	12.76049	11.91629	8.241597	8.069359	6.065802	8.589108	17.98792	20.04707	17.20539	13.90725	9.410707	15.54735	1.652091
SEC23B	1	8.976537	8.238346	11.15248	14.99214	7.91855	15.24388	27.3752	40.32809	23.69754	13.35669	10.25561	24.00028	2.34021
SEC23IP	1	8.016811	7.559924	6.922965	7.177968	4.874524	5.672433	11.08165	11.51349	8.246513	7.745528	6.910438	8.851923	1.280949
SEC24A	1	2.912438	3.57077	5.234222	4.341682	1.080157	5.633137	10.22728	13.37334	19.12825	8.438744	3.427854	11.36015	3.314071
SEC24B	1	8.865038	8.906218	9.692277	8.21866	4.468391	7.936999	11.57889	19.73815	12.1713	12.30555	8.030117	12.74618	1.587297
SEC24C	1	16.12753	14.91594	16.81181	15.98593	15.66442	18.61688	22.14548	25.81148	17.01458	18.03336	15.90113	20.32436	1.278171
SEC24D	1	2.857658	1.877721	2.761421	2.957131	1.533353	4.314426	4.113865	3.315674	3.902769	1.878595	2.397457	3.505066	1.461993
SEC31A	1	14.65671	13.25324	17.72297	15.14025	13.53243	20.55627	30.10636	27.08681	22.90896	25.11516	14.86112	25.15471	1.692653
SEC31B	1	1.743513	1.34009	4.785041	2.235456	3.660927	1.092843	0.880436	5.653928	9.784432	10.09997	2.753005	5.502322	1.99866
SEC61A1	1	5.565283	4.335634	10.13659	9.018443	3.726884	3.446643	4.782113	5.324108	4.840802	5.183458	6.556566	4.715425	0.719191
SEC61A2	1	44.08959	43.06613	33.42102	37.91703	71.04419	38.04252	47.99731	33.03042	60.69629	35.99777	45.90759	43.15286	0.939994
SEC61B	1	16.45698	10.7118	14.65622	15.39602	63.83512	34.00316	21.9194	15.32138	15.3236	40.87782	24.21123	25.48907	1.052779
SEC61G	1	38.5008	29.28911	24.31705	28.44327	206.2874	235.8876	113.9291	80.08789	87.15015	91.87626	65.36754	121.7862	1.863099
SEC62	1	115.9328	99.64233	54.02991	56.01711	84.27899	69.45981	94.48353	84.87053	89.16664	44.748	81.98023	76.5457	0.933709
SEC63	1	52.01533	46.54568	32.36652	33.97889	17.50303	14.37222	26.15612	25.35067	43.97772	27.00951	36.48189	27.37325	0.750324
SECISBP2	1	5.101672	5.901538	5.632145	6.643718	4.824844	11.60996	10.109	14.43724	10.72341	7.874918	5.620783	10.95091	1.948288
SECISBP2L	1	21.04886	32.67525	37.61645	39.89388	21.43333	37.25342	33.81965	25.42701	39.4784	18.81994	30.53355	30.95968	1.013956

SECTM1	1	0	0	0	0.066495	0	0	0	0	0	0.061517	0.013299	0.012303	0.925142
SECTM1A	1	0	0	0.021441	0	0	0	0	0	0	0	0.004288	0	0
SEH1L	1	16.41695	17.28131	14.17459	12.04745	17.28361	21.32632	26.7113	30.58335	41.62737	33.01052	15.44078	30.65177	1.985118
SEL1L	0.250828	22.78701	22.05683	21.65498	22.6103	12.17217	4.196066	7.512388	4.99245	9.189804	4.729023	20.25626	6.123946	0.302324
SEL1L2	1	0.029611	0.18392	0.097004	0.026603	0	0.813566	0.235958	0.114793	0.03827	0.27073	0.067428	0.294663	4.370054
SEL1L3	1	12.1861	14.26122	16.19496	6.173188	7.499963	1.557631	8.89966	67.69183	77.92287	52.49527	11.26309	41.71345	3.703555
SELE	1	0.019776	0	0.014397	0	0	0	0	0	0.306709	0.021917	0.006835	0.065725	9.616471
SELENBP1	1	5.657539	1.698366	2.600201	4.096304	4.10539	4.169446	2.606032	1.457532	1.156939	1.815468	3.63156	2.241083	0.617113
SELENOF	1	59.4645	57.06862	28.22275	31.07933	68.41479	104.7955	152.7885	79.42893	71.37106	46.72676	48.85	91.02215	1.863299
SELENOH	1	19.65203	35.56112	38.10693	45.33262	109.3699	72.80978	36.91393	15.56133	8.079825	21.55166	49.60452	30.98331	0.624606
SELENOI	1	14.10225	22.68952	15.98948	12.7024	11.23626	5.259147	11.80532	8.085603	9.336554	7.091893	15.34398	8.315703	0.541952
SELENOK	1	40.26342	30.90366	18.55744	19.80928	131.6107	313.331	169.3562	122.5841	97.09036	75.65982	48.22889	155.6043	3.226371
SELENOM	1	5.086488	3.387606	16.63455	11.18626	17.48387	5.733379	3.935414	10.38176	8.765102	130.0403	10.75576	31.7712	2.953879
SELENON	1	11.9082	10.51509	25.8429	21.44715	22.00407	4.807254	2.874684	5.805582	6.993614	7.926488	18.34348	5.681524	0.30973
SELENOO	1	4.428469	4.375959	10.05707	11.87822	4.746006	2.68703	1.824093	2.052659	5.184235	22.27149	7.097144	6.8039	0.958682
SELENOP	1	105.777	120.7091	188.6503	257.796	207.1577	67.12914	55.39968	36.29144	85.24569	19.47649	176.018	52.70849	0.299449
SELENOS	1	10.8071	10.50183	9.325997	12.65484	23.34071	21.44722	21.45938	13.75595	8.997598	10.51323	13.3261	15.23468	1.143221
SELENOT	1	25.68477	26.95491	18.65647	15.50392	33.4896	26.2657	50.64644	29.61447	25.20558	20.99118	24.05793	30.54468	1.26963
SELENOV	1	0.041074	0.417461	0.58307	0.246009	0.05573	0	0	0	0.053084	0.477946	0.268669	0.106206	0.395304
SELENOW	1	233.4446	203.0857	162.9168	225.6992	694.2478	1414.489	522.1663	198.0839	120.1783	263.15	303.8788	503.6134	1.657284
SELL	1	0.586903	0.142027	0.56459	0.686308	0.303364	0.585039	0.638416	0.306975	0.03612	0.127761	0.456638	0.338862	0.74208
SELP	1	0.116082	0.082795	0.413636	0.380569	0.033159	0	1.934403	0.900024	0.157922	0.030469	0.205248	0.604563	2.945521
SELPLG	1	4.056046	5.060101	13.00345	16.88091	2.398913	5.079875	2.117891	1.187134	0.672061	0.24492	8.279884	1.860376	0.224686
SEM1	1	7.173813	6.189856	4.312916	5.358847	22.96712	0	0	0.208318	0	0	9.20051	0.041664	0.004528
SEMA3A	1	1.051406	1.599937	0.40358	0.524144	0.570634	0.389055	2.708104	2.398909	2.185137	1.105167	0.82994	1.757275	2.11735
SEMA3B	1	3.459763	0.114116	2.311985	2.639983	0.731245	1.53612	2.44379	1.604258	0.447765	2.191725	1.851418	1.644732	0.888363
SEMA3C	1	2.329987	1.055859	1.547647	2.422192	0.906136	1.203825	1.356035	0.613678	2.666053	0.419393	1.652364	1.251797	0.757579
SEMA3D	1	1.986575	2.140029	1.815443	1.932456	0.191167	5.198198	18.592	6.754554	5.24419	4.086951	1.613134	7.975178	4.943903
SEMA3E	1	8.361835	7.912366	4.740065	5.616748	4.430749	1.732638	7.305821	0.299844	0	0.075263	6.212353	1.882713	0.30306
SEMA3F	1	0.595169	0.752143	3.796315	3.394995	1.179274	1.483197	2.06769	7.764145	3.101226	8.802243	1.943579	4.6437	2.389252
SEMA3G	1	5.253555	3.449951	5.930532	5.928177	2.627285	6.035667	1.360608	1.75451	3.190482	1.256754	4.6379	2.719604	0.586387
SEMA4A	1	7.331574	5.491869	5.506606	7.617364	19.43646	6.749763	17.98294	1.516389	1.366315	1.27411	9.076775	5.777904	0.636559
SEMA4B	1	2.338846	2.18315	4.134484	5.411399	4.892653	1.441535	3.086251	1.954468	2.71853	5.71952	3.792106	2.984061	0.786914
SEMA4C	1	3.223031	4.049099	7.047486	9.458381	4.621657	3.181717	4.306367	9.548482	7.595573	15.6392	5.679931	8.054267	1.418022
SEMA4D	1	7.254812	9.595173	20.47069	29.09801	14.84338	8.228148	9.72974	11.66282	5.661375	10.24424	16.25241	9.105264	0.560241
SEMA4F	1	6.195708	3.587475	3.021144	4.345127	5.942672	1.910078	4.078932	0.524044	6.126383	5.797589	4.618425	3.687405	0.798412
SEMA4G	1	1.826817	2.228467	7.631234	6.869505	3.834954	5.569343	4.797434	14.14164	7.996201	15.84282	4.478195	9.669487	2.159237
SEMA5A	1	13.6743	20.75481	8.248262	9.982841	11.85113	3.823078	10.855	3.381904	1.347459	2.611499	12.90227	4.403788	0.341319
SEMA5B	1	2.150233	2.267001	1.969301	4.271739	6.233624	5.017886	7.083464	11.69428	14.7228	16.96995	3.37838	11.09768	3.284911
SEMA6A	1	3.569722	4.044805	10.15411	10.18449	1.610905	5.108229	4.546208	8.216677	10.44226	3.88761	5.912807	6.440197	1.089195
SEMA6B	1	11.87428	11.25465	13.48743	20.8617	11.16458	34.72439	19.29853	5.882037	7.217857	18.74952	13.72853	17.17446	1.251005
SEMA6C	1	1.028048	0.998353	3.511974	2.055682	1.161506	3.977516	1.377032	13.98766	6.038421	11.39749	1.751113	7.355625	4.200544
SEMA6D	1	10.39207	10.73169	15.67963	10.57513	6.190214	5.151836	14.36186	5.991178	10.68445	3.717201	10.71375	7.981306	0.744959
SEMA7A	1	15.22716	26.15294	33.63182	24.15514	33.63582	14.90641	43.913	19.63512	32.17788	25.85861	26.56058	27.2982	1.027772
SENP1	1	2.376326	2.534746	2.409845	2.341328	1.972382	1.951146	2.040635	4.564744	3.445958	3.768697	2.326925	3.154236	1.355538
SENP2	1	24.70293	25.3593	19.65697	17.80022	24.7825	39.78263	35.42543	29.05472	29.6665	25.15905	22.46038	31.81766	1.416613

SENP3	1	10.40774	8.499811	9.819151	9.791526	13.5714	17.31183	15.3587	16.87803	8.090863	11.6011	10.41792	13.8481	1.329257
SENP5	1	12.33571	11.9937	10.36353	9.861497	2.04864	6.289046	13.94667	12.23739	11.41615	9.382247	9.320614	10.6543	1.14309
SENP6	1	16.34418	20.89955	14.15584	12.65827	8.626778	11.07711	11.52161	17.32859	20.95305	14.76729	14.53693	15.12953	1.040765
SENP7	1	4.50105	4.803222	3.731729	3.043675	1.906927	6.522755	9.957458	17.58766	16.94015	6.762918	3.597321	11.55419	3.211887
SENP8	1	0.593574	0.452764	0.443485	0.399179	0.890159	0.027249	0.165962	0.524809	0.215338	0.129831	0.555832	0.212638	0.382558
SEPHS1	1	10.3212	8.902693	9.447587	8.387957	10.6065	26.2444	16.8643	29.3112	19.76054	27.8503	9.533188	24.00615	2.518166
SEPHS2	1	13.00847	14.23553	9.751345	12.69671	22.53712	23.02245	24.4972	12.30454	15.47324	22.10284	14.44583	19.48006	1.348489
SEPSECS	1	2.987123	3.155142	0.52934	0.439435	2.302053	1.868369	3.215503	3.115108	0.42331	0.266792	1.882618	1.777816	0.944332
SEPT1	1	0.250236	0.118987	0.172581	0.315533	0.428879	2.412362	0.055973	0.204228	0.953201	0.744378	0.257243	0.874028	3.397674
SEPT10	1	11.76457	10.56475	10.65508	11.02397	8.309693	10.56018	8.379267	10.73939	9.025776	4.83717	10.46361	8.708356	0.832251
SEPT11	1	24.9392	23.84853	11.17288	15.52769	21.23163	14.02399	17.61268	10.68864	9.650459	5.749582	19.34398	11.54507	0.59683
SEPT12	1	0.009447	0	0.330114	0.16975	0	0.09888	0	0	0	0.141338	0.101862	0.048044	0.471653
SEPT14	1	0.317944	0.200403	0.581339	0.354291	0.68221	0.773909	0.738463	1.547869	0.305796	0.036874	0.427238	0.680582	1.592983
SEPT2	1	37.34958	41.74344	42.26645	52.87413	58.18854	49.53021	39.58052	45.04856	52.98255	28.07777	46.48443	43.04392	0.925986
SEPT3	1	50.32068	38.05548	41.39497	35.50445	57.4126	38.04564	30.84905	92.74924	44.83742	83.53902	44.53763	58.00407	1.302361
SEPT4	1	37.66355	48.31978	73.21501	76.48337	118.3846	55.54475	29.84299	68.18137	64.13051	81.03122	70.81326	59.74617	0.843714
SEPT5	1	91.71597	99.36451	56.50414	97.82713	115.3182	129.6919	76.75445	51.02119	31.81158	74.41865	92.14599	72.73955	0.789395
SEPT6	1	22.60387	23.19184	15.76242	9.917928	33.04737	13.83829	18.00868	35.38338	16.48858	31.30915	20.90469	23.00562	1.100501
SEPT7	1	187.4209	210.5989	89.03566	122.0756	126.0195	181.9136	230.3584	127.5231	182.1771	95.73718	147.0301	163.5419	1.112302
SEPT8	1	35.45165	34.94683	29.8622	31.15738	36.66163	74.94823	75.8167	83.05411	47.78324	64.1722	33.61594	69.1549	2.057206
SEPT9	1	12.12378	9.906167	18.16908	24.37366	13.05577	14.81403	12.99195	4.990629	4.381615	13.88877	15.52569	10.2134	0.657839
SERAC1	1	6.110491	6.348073	6.142216	5.856644	5.655143	1.34665	4.366669	4.158804	5.058741	1.885737	6.022513	3.36332	0.558458
SERBP1	1	101.1969	93.61001	46.51022	57.5541	30.22918	58.57367	83.4551	68.80558	79.82499	79.97403	65.82009	74.12667	1.126201
SERF1A	0.004431	1.757275	2.067189	1.279274	2.587432	7.053654	56.51953	28.70606	34.06184	23.46823	41.3225	2.948965	36.81563	12.48426
SERF2	1	28.17841	26.77181	27.64371	33.97547	166.9349	95.8757	44.45648	49.60046	23.19177	48.24387	56.70085	52.27366	0.92192
SERGEF	1	5.572477	5.424119	4.837476	5.488217	10.37651	6.833078	2.576335	7.411779	1.024541	3.643313	6.339761	4.297809	0.677913
SERHL2	0.000162	0.139849	0.01858	0.107797	0.128107	0.044648	9.38522	12.63854	3.295404	1.020661	4.772585	0.087796	6.222482	70.8743
SERINC1	1	264.3601	267.5393	186.6224	175.0729	305.483	102.5113	281.6273	242.6044	238.4663	205.0877	239.8155	214.0594	0.8926
SERINC2	1	1.185777	0.12361	0.737066	0.874114	0.396038	0.429616	1.27924	0.165015	0.707312	2.380551	0.663321	0.992347	1.496029
SERINC3	1	79.77016	78.2332	75.66676	84.33917	77.3107	59.08286	160.7037	204.6089	94.98963	74.49648	79.064	118.7763	1.502281
SERINC4	1	0	0.059355	0.497404	0.304304	0.213939	0.045843	0.09307	0.294308	0.045285	0.189301	0.215	0.133561	0.621214
SERINC5	1	6.938524	6.255663	8.467965	8.401988	3.486598	6.91535	9.021296	5.524424	5.200214	5.130508	6.710148	6.358358	0.947573
SERP1	1	18.43775	14.5443	22.23195	20.77114	13.09823	31.12605	23.91589	29.73773	24.5978	27.56951	17.81667	27.3894	1.53729
SERP2	1	24.1042	32.64275	21.07878	26.60963	64.39833	134.9975	47.20294	61.46019	24.94772	56.36157	33.76674	64.99398	1.924793
SERPINA1	1	0.022723	0	1.414369	0	0	2.25946	0.772577	0.381727	46.46006	2.4553	0.287419	10.46582	36.41319
SERPINA10	1	0.004055	0.009158	0	0	0	0.063657	0.206779	0.261972	0.335373	0.02696	0.002642	0.178948	67.72007
SERPINA11	1	0.250557	0	0.047583	0	0	0.114021	0.046297	0.056309	0.168951	0.162982	0.059628	0.109712	1.839941
SERPINA12	1	0.039853	0	0	0.02387	0	0	0	0	0	0	0.012745	0	0
SERPINA14	1	0	0	0.086533	0	0	0	0	0	0	0.021955	0.017307	0.004391	0.253718
SERPINA3	1	0.005626	0	0.036863	0	0	0	0	0	0	0	0.008498	0	0
SERPINA3-1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SERPINA3-3	1	0.045585	0	0	0	0	0	0	0	0	0	0.009117	0	0
SERPINA3-7	1	0	0	0	0	0	0	0	0	0	0.020841	0	0.004168	#DIV/0!
SERPINA3-8	1	0	0	0.053898	0	0	0	0	0	0	0	0.01078	0	0
SERPINA4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SERPINA5_1	1	0	0	0.099374	0.027253	0	0	0	0	0	0	0.025325	0	0

SERPINA5_2	1	0.479242	0.2655	0.572694	0.844875	1.03059	0	0	0	1.402364	2.720672	0.63858	0.824607	1.291314
SERPINA6	1	0	0	0	0	0	0	0.109263	0.465115	1.063276	0	0	0.327531	#DIV/0!
SERPINA7	1	0	0	0	0	0	0	0	0	0.667033	0	0	0.133407	#DIV/0!
SERPINB1	0.0036	2.928851	1.00591	1.632096	2.242516	1.413422	9.481013	19.66549	27.33195	7.024222	15.12066	1.844559	15.72467	8.524892
SERPINB10	1	0	0	0	0	0	0	0.039145	0	0	0	0	0.007829	#DIV/0!
SERPINB11	1	0.022134	0	0.04834	0.053029	0.060065	0	0	0	0	0	0.036714	0	0
SERPINB12	0.393379	0.063837	0.057673	0.027884	0.053529	0	0	0	0	0	0	0.040585	0	0
SERPINB2	1	0.116429	0.020228	0	0.064371	0.048608	0	0	0	0.0463	0	0.049927	0.00926	0.185469
SERPINB5	0.006527	0.009084	0.030775	0.019839	0.027204	0.049301	0	0	0	0.04696	0.075502	0.027241	0.024492	0.899116
SERPINB6	0.000678	13.03773	10.30842	11.21214	13.90804	9.690877	0.442865	0.131869	0.145804	1.545746	2.016317	11.63144	0.85652	0.073638
SERPINB7	1	0	0	0	0.018358	0	0	0	0	0	0	0.003672	0	0
SERPINB8	1	2.223847	1.744518	1.528362	1.409587	2.799355	1.492067	1.454019	1.674652	1.232723	1.111618	1.941134	1.393016	0.71763
SERPINB9	1	1.314008	0.655875	0.792747	0.582657	0.768319	0	0	0	1.388614	0.736152	0.822721	0.424953	0.516522
SERPINC1	1	0.170846	0.124031	0.506379	0.204656	0.264926	0.191592	0.051863	0	11.60794	0.142002	0.254168	2.39868	9.437393
SERPIND1	1	0.311142	0.058562	0.037751	0.103532	0.046908	0	0.018366	0.134021	0.446803	0.172407	0.111579	0.15432	1.383051
SERPINE1	1	0.179207	0.044973	0.16525	0.31008	0.086455	0.437663	0.43158	0.205844	0.72056	0.07944	0.157193	0.375017	2.385715
SERPINE2	1	55.58784	47.67981	44.40227	40.96023	78.16563	78.28091	102.6512	76.26819	64.36327	58.47358	53.35915	76.00744	1.42445
SERPINE3	1	0	0	0.106884	0.087938	0.033202	0.128061	0.103996	0	0.379506	0.223727	0.045605	0.167058	3.663165
SERPINF1	1	6.936961	2.186219	0.880817	2.318998	7.989524	15.82997	10.91268	102.3574	24.32471	6.302123	4.062504	31.94538	7.863471
SERPINF2	1	0.031068	0.052629	0.033926	0.186084	0.210774	0.121944	0.132038	0	1.084136	0.012912	0.102896	0.270206	2.626004
SERPING1	1	11.64662	1.973961	10.64318	12.07377	6.058071	14.51677	6.378888	14.38712	12.52304	9.080198	8.479121	11.3772	1.34179
SERPINH1	1	11.33729	3.572102	11.39457	12.03642	13.38855	15.47394	11.72595	9.885337	9.775688	2.871962	10.34579	9.946576	0.961413
SERPINI1	1	47.47081	42.4466	21.97805	29.4346	39.90761	21.13063	68.83613	13.86575	15.63914	2.186022	36.24753	24.33154	0.67126
SERPINI2	1	0.32594	0.672709	0.540016	0.57893	1.006493	7.293553	0.453776	1.278083	0	0.261569	0.624818	1.857396	2.972701
SERTAD1	1	4.667249	4.079417	4.468203	4.690968	16.56909	15.72584	14.60479	4.089595	2.231012	6.616002	6.894985	8.653447	1.255035
SERTAD2	1	3.653794	3.257567	2.425274	2.663751	2.609262	2.84909	2.290677	3.423008	4.368646	2.440336	2.921929	3.074351	1.052165
SERTAD3	1	2.509694	2.078423	2.92324	3.727871	5.720808	6.173005	2.435392	3.156599	1.6434	1.710499	3.392007	3.023779	0.891442
SERTAD4	1	7.250778	7.660851	6.018713	4.11041	9.106837	5.30262	13.85762	7.252395	9.677459	7.262986	6.829518	8.670616	1.26958
SERTM1	1	12.16946	9.510735	5.491245	8.363642	9.408727	7.341016	24.5997	0.793464	0.574661	0.571958	8.988762	6.776159	0.753848
SERTM2	1	0.051859	0.02703	0	0	0.02165	2.651314	0.93244	0.134026	0	0	0.020108	0.743556	36.97847
SESN1	1	6.361037	5.62632	6.662508	6.743028	5.907701	10.15734	15.4235	48.7578	47.38556	37.18621	6.260119	31.78208	5.076914
SESN2	1	1.374211	1.447343	3.086364	2.603499	2.446432	1.65766	2.019238	5.025093	1.964984	3.507602	2.19157	2.834915	1.293555
SESN3	1	18.85923	22.52333	22.91255	25.41645	15.27147	13.98235	17.34027	11.3448	18.41962	9.02934	20.9966	14.02328	0.667883
SESTD1	1	7.338307	10.12233	9.882796	8.826679	6.771254	4.396172	5.966451	7.027126	9.199484	5.963554	8.588273	6.510557	0.758075
SET	1	26.83184	35.49224	20.93946	23.08865	49.81727	40.87892	44.28277	49.19404	46.86869	42.18931	31.23389	44.68275	1.430585
SETBP1	1	3.877467	4.243052	3.117072	2.826539	1.72138	3.447369	6.876677	6.323422	6.756775	2.853465	3.157102	5.251542	1.663406
SETD1A	1	3.487509	3.209119	6.626113	7.846446	2.547088	3.439952	3.665744	5.875315	4.896808	7.123887	4.743255	5.000341	1.0542
SETD1B	1	2.397744	2.940372	5.927845	5.349746	3.594563	2.620822	2.473834	4.796102	4.169181	5.49586	4.042054	3.91116	0.967617
SETD2	1	8.934959	9.463559	12.91732	11.7255	6.018134	12.82098	12.94416	23.06903	18.39162	19.70828	9.811895	17.38682	1.772014
SETD3	1	20.07522	17.57546	12.83884	18.6985	17.28225	13.62841	22.84708	17.39216	15.75519	12.06971	17.29405	16.33851	0.944747
SETD4	1	6.101192	5.854252	4.704458	5.50878	6.487496	2.649934	2.337178	2.156058	1.652145	0.64855	5.731235	1.888773	0.329558
SETD5	1	16.00643	17.15088	22.88707	21.04292	10.0519	25.25203	23.38938	32.84058	29.31987	26.08606	17.42784	27.37758	1.570911
SETD6	1	8.189375	8.380821	8.402383	6.675168	7.083889	8.551096	15.47921	13.981	15.81715	26.53437	7.746327	16.07256	2.074863
SETD7	1	15.58048	15.66166	25.25897	30.08706	11.78454	21.82783	36.01047	16.07178	16.06067	7.638498	19.67454	19.52185	0.992239
SETD9	1	0.636255	0.654372	0.421829	0.707725	1.356604	4.697298	1.545154	1.086455	1.233453	1.114329	0.755357	1.935338	2.562149
SETDB1	1	6.738419	5.869732	8.778229	8.770532	6.651346	8.785155	8.113987	13.84039	8.026354	7.592128	7.361652	9.271603	1.259446

SETDB2	1	2.857456	4.150797	3.364206	2.849544	2.952105	1.168993	1.263705	0.929677	2.699454	0.578686	3.234821	1.328103	0.410564
SETMAR	1	3.694672	2.330312	2.598828	2.09813	2.370471	1.142866	4.091229	4.849204	2.073596	1.266881	2.618483	2.684755	1.02531
SETX	1	6.543958	8.963207	14.112	12.14538	6.477047	2.283654	5.134572	5.385989	10.01892	6.203231	9.648318	5.805272	0.601688
SEZ6	1	9.974945	6.77415	20.38514	22.54075	19.48703	11.0782	21.54153	15.45614	17.47673	15.74885	15.8324	16.26029	1.027026
SEZ6L	1	57.23527	53.24611	65.81585	84.16758	54.22439	38.10096	105.5654	86.83671	75.78046	116.4949	62.93784	84.55568	1.343479
SEZ6L2	1	46.68819	45.7284	55.83858	63.32608	111.2373	53.06001	69.04971	62.7102	45.72788	104.7165	64.56371	67.05287	1.038553
SF1	1	26.68862	22.92462	38.7421	39.64643	52.35212	29.12006	20.28721	41.03621	33.25251	51.27469	36.07078	34.99413	0.970152
SF3A1	1	22.5786	24.19318	35.85595	37.98057	23.46545	26.05798	24.84448	34.29378	26.41207	53.89323	28.81475	33.10031	1.148728
SF3A2	1	5.660288	6.759564	14.42216	16.87313	9.475042	4.937024	6.106081	8.211125	7.007099	24.83908	10.63804	10.22008	0.960711
SF3A3	1	41.07142	39.61125	28.44707	30.54305	44.16222	29.46409	36.82318	35.63421	29.5375	27.50424	36.767	31.79264	0.864706
SF3B1	1	40.31018	47.07197	49.33914	41.00503	29.12293	56.84864	58.80119	100.7687	79.25099	59.79318	41.36985	71.09255	1.718463
SF3B2	1	44.15154	37.71282	43.95151	52.46321	49.63271	74.75454	70.96204	110.2335	50.03143	78.94698	45.58236	76.98569	1.688936
SF3B3	1	17.07033	17.64384	20.55157	20.3905	17.92312	9.573211	14.39918	18.58109	14.18506	17.31688	18.71587	14.81108	0.791365
SF3B4	1	8.77645	8.184637	14.75024	16.94523	33.65006	23.56356	18.57277	22.74446	11.32721	23.97543	16.46132	20.03669	1.217198
SF3B5	1	22.84808	20.70277	14.36891	21.31531	87.40358	58.53368	38.38326	22.80055	6.802509	37.48399	33.32773	32.8008	0.984189
SF3B6	1	19.84304	22.68147	11.12407	16.71408	78.47845	58.61817	36.00992	46.16736	45.92449	46.83013	29.76822	46.71001	1.569123
SFI1	1	2.158818	2.423792	3.901567	2.460742	1.612174	1.882967	4.498477	11.73176	6.012724	5.410833	2.511419	5.907352	2.352197
SFMBT1	1	4.281679	3.86826	3.426771	3.316327	3.413553	1.433519	1.491904	1.876367	1.84227	1.870022	3.661318	1.702816	0.465083
SFMBT2	1	1.751956	3.316888	1.188961	1.41968	2.869563	0.961409	1.033058	0.358984	0.822309	0.703877	2.109409	0.775927	0.367841
SFN	1	0.083843	0	0	0	0.227523	0.292519	0.920507	1.227899	0	1.022086	0.062273	0.692602	11.12199
SFPQ	1	33.25539	39.15097	39.39252	33.22724	44.85122	55.30266	51.10106	94.08831	82.6646	55.09921	37.97547	67.65117	1.781444
SFR1	1	1.81373	2.37862	2.318256	2.28279	3.674389	1.79339	0.728191	1.252875	4.580141	3.501318	2.493557	2.371183	0.950924
SFRP1	1	8.779806	2.773416	5.819348	6.623171	5.507464	5.298965	6.577482	2.215147	2.548364	2.716716	5.900641	3.871335	0.656087
SFRP2	1	2.469686	2.502704	8.449442	4.881958	3.66949	4.521179	2.234872	0.50965	3.640888	0.1561	4.394656	2.212538	0.503461
SFRP4	1	14.219	0.666397	3.172289	1.332178	1.26258	0.534489	1.012782	0.381266	1.407957	0.169777	4.130489	0.701254	0.169775
SFRP5	1	2.228796	0.049353	0.954432	1.321843	0.088944	0.571766	0.139296	0.310599	3.332362	0.236103	0.928673	0.918025	0.988534
SFRS18	1	17.12643	22.54944	21.10641	12.88891	3.715563	17.37629	20.8513	47.38806	31.38036	20.40876	15.47735	27.48095	1.775559
SFSWAP	1	6.900793	9.490863	13.39805	14.29226	7.578942	16.1862	8.023737	11.72207	23.01853	14.84599	10.33218	14.75931	1.428479
SFT2D1	1	12.36007	12.76993	17.56746	24.12125	24.05477	16.70777	9.626534	8.204924	10.14239	9.754425	18.17469	10.88721	0.599031
SFT2D2	1	2.030072	1.556988	6.828215	4.460487	0.589192	2.499772	0.830464	1.122269	2.693837	0.721852	3.092991	1.573639	0.508776
SFT2D3	1	0.936082	1.168633	1.414667	1.570803	1.08254	0.372062	0.125894	0.32665	0.775906	0.965164	1.234545	0.513135	0.415647
SFTA2	1	0	0	0	0	0	5.931082	0.860095	0.836864	0	0	0	1.525608	#DIV/0!
SFTPA1	1	1.076932	0.375085	0.021981	0.120565	0.10925	0	0.021387	0	0	0.117117	0.340763	0.027701	0.081291
SFTPB	1	0.490958	0	0	0	0	0	0	0	0	0.091959	0.098192	0.018392	0.187305
SFTPC	1	5.110726	1.736164	1.542664	2.837074	7.892831	0	0	0.107385	0.429603	0.966994	3.823892	0.300796	0.078662
SFTPD	1	0.17365	0	0	0	0	0	0	0	0	0.066615	0.03473	0.013323	0.383615
SFXN1	1	20.53824	21.41911	19.48645	18.56964	12.07732	27.14188	32.22731	25.6076	22.82307	26.20872	18.41815	26.80171	1.455179
SFXN2	1	1.330673	1.233955	0.960837	1.166345	2.006116	1.755116	1.908064	1.724184	0.95077	0.785298	1.339585	1.424686	1.063528
SFXN3	1	5.690993	5.097879	8.053087	4.612277	10.46488	11.81207	10.88761	13.11715	11.29393	8.667788	6.783824	11.15571	1.644457
SFXN4	1	7.108462	7.693143	2.76385	4.128574	11.43519	12.8935	15.93476	13.88295	8.073463	17.16545	6.625843	13.59002	2.051063
SFXN5	1	40.43778	33.07196	32.81137	33.07362	71.10838	35.76444	28.26766	29.74346	61.87917	34.90063	42.10062	38.11107	0.905238
SGCA	1	1.989949	0.797844	3.240191	4.52771	1.661559	0.123243	0.050042	0	0.36523	0.84167	2.443451	0.276037	0.11297
SGCB	1	35.20496	34.96638	35.60511	30.58893	24.60831	7.422973	12.89236	13.23259	19.11404	9.524895	32.19474	12.43737	0.386317
SGCD	0.998004	2.190552	1.092207	1.074161	0.757508	0.471069	0.930088	0.606004	0.096136	0.512801	0.21986	1.117099	0.472978	0.423398
SGCE	1	13.19566	9.322682	8.310445	8.888036	17.91666	12.83238	15.0139	14.85717	22.39463	14.28153	11.5267	15.87592	1.377318
SGCG	1	1.9444	0.53309	0.245462	0.565467	1.43349	4.293785	2.555477	1.278083	5.287386	5.081906	0.944382	3.699327	3.917195

SGF29	1	2.236602	1.956263	2.801491	3.033814	3.153709	5.622929	4.240124	6.460415	3.060642	6.889197	2.636376	5.254661	1.993138
SGIP1	1	8.338238	11.77888	9.671186	8.513475	6.00211	7.844348	15.99512	14.45765	15.39316	11.24244	8.860777	12.98654	1.465621
SGK1	1	17.39068	12.94482	19.35309	26.68698	11.46004	20.13318	12.3181	9.377709	25.8998	18.10271	17.56712	17.1663	0.977184
SGK2	1	0.613863	1.367741	1.231951	2.007286	3.87191	1.953574	1.480701	0.70749	0.943458	1.213502	1.81855	1.259745	0.69272
SGK3	1	4.806716	5.506598	5.627622	7.918645	5.042724	10.08798	15.63694	4.828198	9.811506	3.426796	5.780461	8.758285	1.515153
SGMS1	1	7.382934	6.082011	6.721132	7.714824	3.339143	10.70592	8.921471	15.81505	11.44486	7.58057	6.248009	10.89358	1.743528
SGMS2	1	0.92162	0.651243	0.741755	0.733177	0.619243	1.083123	1.00739	0.758908	1.179679	0.488136	0.733407	0.903447	1.231849
SGO1	1	0.223162	0.212226	0.141083	0.091453	0.063746	0.030734	0.062396	0.030355	0	0	0.146334	0.024697	0.168771
SGO2	1	2.7466	2.498893	1.939081	1.722931	0.750591	0.318454	0.317387	0.528987	1.372706	0.524166	1.931619	0.61234	0.317009
SGPL1	1	5.396854	6.299809	10.44542	5.858778	5.668008	5.386182	6.946988	11.85792	10.59655	15.96588	6.733775	10.1507	1.507431
SGPP1	1	5.476826	6.519167	7.705874	7.884826	4.151144	3.915098	8.351822	10.04237	14.97916	6.125226	6.347567	8.682735	1.367884
SGPP2	1	5.067239	5.189757	3.844653	4.829215	2.467758	1.247032	2.54207	2.601603	3.167629	2.691945	4.279724	2.450056	0.57248
SGSH	1	1.718281	1.413425	2.548101	2.143022	5.142566	2.516371	2.073555	3.344305	2.924408	3.984793	2.593079	2.968687	1.14485
SGSM1	1	8.599158	8.315182	25.90376	11.55406	13.99575	14.71595	25.70649	15.91244	12.21165	11.08238	13.67358	15.92578	1.164712
SGSM2	1	19.04518	14.73067	20.44045	27.8239	33.82558	29.83988	21.24265	9.3018	3.837802	7.410895	23.17315	14.3266	0.618241
SGSM3	1	9.018024	6.840383	9.343367	11.87184	8.652881	11.7583	16.66448	19.53615	13.42908	21.53992	9.145298	16.58559	1.813564
SGTA	1	21.01512	18.76116	34.75228	42.55711	49.78455	13.54478	15.2144	16.08409	8.462528	30.79107	33.37404	16.81937	0.503966
SGTB	1	24.55715	30.0803	11.77694	13.86171	3.957783	22.09438	50.34769	23.47552	17.36118	6.412028	16.84678	23.93816	1.420934
SH2B1	1	4.356705	4.628013	7.789174	9.134097	11.29635	16.18372	11.95192	20.57927	10.36076	17.32658	7.440867	15.28045	2.053585
SH2B2	1	1.214893	1.360107	1.918171	2.20502	0.770685	0.605518	0.592312	0.625246	0.108754	1.521225	1.493775	0.690611	0.462326
SH2B3	1	1.966619	2.416443	2.768218	3.690232	3.14709	5.28275	4.574648	3.613553	2.246133	2.422014	2.79772	3.62782	1.296706
SH2D1A	1	0.049619	0	0	0	0	0	0	0	0	0	0.009924	0	0
SH2D1B	1	0.012619	0.038001	0.137794	0.277125	0.068486	0	0	0	0.021745	0.006992	0.106805	0.005747	0.053812
SH2D2A	1	0.016672	0.094138	0.036411	0.019971	0.180968	0	0.035427	0	0	0.027714	0.069632	0.012628	0.181357
SH2D3A	1	0.076064	0.015618	0.060408	0.115966	0.112589	0	0.029388	0.053614	0	0	0.076129	0.0166	0.218054
SH2D3C	1	3.190132	2.549557	4.430376	4.670648	2.634087	7.676849	2.931716	4.538117	4.285056	9.173847	3.49496	5.721117	1.636962
SH2D4A	1	0.224473	0.168999	0.163413	0.298772	0.622682	0.104421	0.052999	0.051568	0.257876	0.066338	0.295668	0.10664	0.360677
SH2D4B	1	0.04013	0	0.029214	0.064095	0	1.120074	0.938019	0.656855	0	0.333548	0.026688	0.609699	22.84549
SH2D5	1	6.827547	5.54546	4.746475	8.817252	17.37321	2.226468	4.00827	0.410666	1.192431	2.249482	8.661989	2.017463	0.23291
SH2D6	1	0.044957	0.076156	0.122731	0.525076	0.152499	1.11756	0.262713	0.609994	3.718601	0.411036	0.184284	1.223981	6.641825
SH2D7	1	0	0.008154	1.025023	0.942802	0.029392	0.037788	0	0	0.018664	0.018005	0.401074	0.014891	0.037129
SH3BGR	1	4.085403	4.241872	5.458	5.95153	8.487421	30.54322	9.571662	17.17205	9.979806	6.418154	5.644845	14.73698	2.610697
SH3BGRL	1	39.22564	38.5594	19.73589	21.11304	27.38869	9.124742	9.400181	4.918186	15.24602	6.277143	29.20453	8.993254	0.30794
SH3BGRL2	1	9.69665	9.694667	12.43642	11.01708	6.356064	10.03669	14.05242	11.55141	22.13416	11.18065	9.840176	13.79107	1.401506
SH3BGRL3	1	62.0949	51.24669	57.2838	80.83199	197.123	141.512	53.5943	31.95638	33.54955	65.62757	89.71608	65.24795	0.727272
SH3BP1	1	0.953511	0.631231	1.752114	3.06426	0.963626	4.095271	1.187751	0.59483	1.631771	0.77613	1.472949	1.65715	1.125056
SH3BP2	1	1.181315	1.186032	1.966484	1.901118	1.003634	0.955507	0.679786	0.358944	0.839003	0.500663	1.447717	0.66678	0.460574
SH3BP4	1	2.671543	2.402015	4.890104	7.313702	3.80739	3.285716	2.620628	0.654019	0.712073	0.479244	4.216951	1.550336	0.367644
SH3BP5	1	14.94509	17.98096	22.42879	27.23108	21.50552	15.71827	9.165866	15.16933	42.615	75.51773	20.81829	31.63724	1.519685
SH3BP5L	1	9.785098	9.982075	15.59345	16.52848	18.00212	22.38801	16.09397	13.04939	6.94615	7.131442	13.97825	13.12179	0.938729
SH3D19	1	3.332039	2.790995	6.723818	6.718517	2.185605	7.257191	5.168841	4.89326	7.907584	2.58053	4.350195	5.561481	1.278444
SH3D21	0.148789	6.444253	9.195196	9.345579	4.210653	29.62982	1.955066	0.956215	1.84322	3.906438	6.365398	11.7651	3.005267	0.255439
SH3GL1	1	10.2661	8.349685	19.7802	17.75749	24.49826	11.31273	7.053654	6.704055	7.727832	12.5465	16.13035	9.068955	0.562229
SH3GL2	1	107.3623	119.1223	68.74067	71.30072	157.2189	99.05497	160.8506	257.7188	179.9853	165.1687	104.749	172.5557	1.647326
SH3GL3	1	12.32612	17.73172	11.97648	15.34442	33.17766	25.73288	13.22016	5.083202	7.755165	10.57756	18.11128	12.47379	0.688731
SH3GLB1	1	10.44686	11.95678	11.74103	12.73921	6.529908	24.44877	22.32377	18.74785	30.82619	14.40027	10.68276	22.14937	2.073376

SH3GLB2	1	32.54384	28.98065	47.60701	52.46003	46.20963	53.32613	38.45523	60.49038	31.11134	79.49257	41.56023	52.57513	1.265035
SH3KBP1	1	11.08496	9.577512	8.616955	12.33333	6.232578	14.8234	12.91155	3.134261	6.226494	2.968739	9.569066	8.012888	0.837374
SH3PXD2A	1	17.88663	14.01552	12.67186	19.19953	18.81456	11.53652	7.804918	1.480123	3.53131	4.35858	16.51762	5.742291	0.347646
SH3PXD2B	1	3.088099	2.67651	5.027752	3.551013	2.876746	1.333	2.324813	1.15358	1.216451	1.79449	3.444024	1.564467	0.454255
SH3RF1	1	7.409888	5.550464	5.185079	8.322429	4.340344	26.3972	12.84256	1.065707	1.808736	1.073212	6.161641	8.637483	1.401815
SH3RF2	1	0.419379	1.256088	0.39822	0.538775	1.121563	0.095424	0.632852	0.596909	4.430337	0.388988	0.746805	1.228902	1.645546
SH3RF3	0.006245	3.509699	3.278915	2.595663	3.802933	6.3747	0.60529	0.355947	0.061845	0.247416	0.364643	3.912382	0.327028	0.083588
SH3TC1	1	0.211887	0.095714	0.471166	0.632237	0.104544	0.665324	0.286522	0.238957	0.497899	0.486713	0.30311	0.435083	1.435398
SH3TC2	1	0.868853	1.645332	6.040642	7.65824	4.890594	5.778055	4.676139	1.51988	0.863025	0.674858	4.220732	2.702392	0.640266
SH3YL1	1	20.32991	18.02123	12.75141	13.80154	19.25184	22.97669	2.668352	3.742812	5.78088	4.327235	16.83119	7.899194	0.469319
SHANK1	1	21.89372	22.44413	46.4226	53.5793	3.225443	29.95398	12.15644	10.68435	14.60084	36.54813	29.51304	20.78875	0.704392
SHANK2	1	9.476416	9.622964	9.426294	9.899483	9.002442	7.571687	6.141461	8.959778	8.305612	8.309573	9.48552	7.857622	0.828381
SHANK3	1	8.441475	8.884467	24.3704	25.32192	14.93161	25.61924	10.72492	9.73779	14.79587	29.14004	16.38998	18.00357	1.09845
SHARPIN	1	1.652891	2.266027	4.870931	5.39525	3.310187	12.57856	9.003169	6.41703	5.746316	14.25421	3.499057	9.599857	2.743555
SHB	1	3.323266	3.989249	6.150749	5.744863	3.886801	3.031974	1.812465	1.414135	3.411058	5.618011	4.618986	3.057529	0.661948
SHBG	1	0.548792	0.275446	1.617078	1.189571	2.600262	0.091175	0.148083	0.135078	0.045033	0.405456	1.24623	0.164965	0.132371
SHC1	1	5.083447	2.897863	5.768427	6.031132	7.923908	16.60104	9.044029	5.922908	5.557823	8.354775	5.540955	9.096115	1.641615
SHC2	1	6.545061	5.850857	9.509376	11.00942	21.55642	6.165441	7.173561	3.756986	1.068493	30.17789	10.89423	9.668475	0.887486
SHC3	1	36.86057	26.51122	16.8929	22.67879	15.09926	17.70547	12.84545	2.885604	4.363807	3.496851	23.60855	8.259436	0.349849
SHC4	1	5.718833	3.555381	2.093809	2.582749	3.999048	7.2959	4.545966	2.585959	5.151027	4.015602	3.589964	4.718891	1.314468
SHCBP1	1	0.464195	0.154687	0	0.091157	0.247805	0	0.501281	0.373673	0.078679	0.493348	0.191569	0.289396	1.510665
SHCBP1L	1	0.166039	0.583362	0.080583	0	0.075096	1.110309	0.744853	0.238399	3.385764	0.398685	0.181016	1.175602	6.494467
SHD	1	1.3699	1.584464	5.790594	5.042087	6.565508	6.937871	1.408533	5.424848	1.656247	4.793202	4.070511	4.04414	0.993522
SHE	1	0.438414	0.473261	1.126446	0.942223	0.244941	2.867955	0.822007	0.683166	0.56661	0.332243	0.645057	1.054396	1.634579
SHF	1	2.455539	2.547603	15.2709	7.252051	11.18714	3.578329	5.663327	34.917	30.13594	38.42983	7.742647	22.54489	2.91178
SHH	1	0.969829	1.849627	0.993119	1.171393	1.998419	0.252719	0.735403	0.301608	0.332857	0.347856	1.396477	0.394089	0.282202
SHISA2	1	0.269718	0.38475	0.573552	0.391113	0.654881	1.671539	2.760106	0.78879	1.284264	2.241805	0.454803	1.749301	3.846285
SHISA3	1	1.382376	0.146356	0.919869	1.681814	0.117229	0.113038	0.045898	0.307027	3.014882	0.448822	0.849529	0.785933	0.92514
SHISA4	1	26.45314	28.0294	60.48478	90.9274	82.95684	94.1022	48.69262	10.72763	11.25685	54.4372	57.77031	43.8433	0.758924
SHISA5	1	19.29418	17.17719	14.60643	19.72148	75.30058	12.40433	6.287823	3.706689	3.941369	11.65734	29.21997	7.599509	0.260079
SHISA6	1	1.863657	1.365626	15.91109	6.265202	2.045898	4.557535	2.62778	8.835635	9.647293	8.557812	5.490295	6.845211	1.246784
SHISA7	1	9.250543	9.902695	9.726585	15.5938	12.40666	3.351191	6.27649	0.782753	1.178028	1.433698	11.37606	2.604432	0.22894
SHISA8	1	0.149153	0.056147	8.849402	0.476453	0.269835	0.390284	0.052824	2.762593	11.50177	60.12605	1.960198	14.9667	7.635302
SHISA9	0.627659	11.43324	10.79996	7.277777	13.03928	8.844137	2.147333	4.739437	1.666415	3.590889	3.629676	10.27888	3.15475	0.306916
SHISAL1	1	5.146197	2.785255	14.33582	18.50691	2.310182	10.8873	3.001421	0.396172	0.778308	0.468688	8.616872	3.106377	0.360499
SHISAL2A	1	0.894806	0.090832	0.219576	0.120436	0.190983	0.105232	0.064093	0.077952	0	0.183844	0.303327	0.086224	0.284262
SHISAL2B	1	0.975973	0.56598	0.345646	0.758343	0.429481	0.276086	0.168153	0.136343	0	0.087697	0.615085	0.133656	0.217297
SHKBP1	1	2.721295	2.627787	6.132695	7.662945	3.0395	13.12688	4.676376	4.07712	2.854399	3.31738	4.436845	5.610432	1.264509
SHLD1	1	1.171996	1.094782	1.295597	0.953284	1.609839	2.498809	2.162475	1.383598	1.421199	2.629735	1.2251	2.019163	1.648163
SHLD2	1	2.710249	2.711043	2.899329	3.317721	1.818539	1.775727	1.77551	3.047334	2.806587	1.706247	2.691376	2.222281	0.825704
SHMT1	1	1.481603	2.537268	10.2086	11.68204	2.718141	3.858655	1.936298	1.869616	2.660995	4.763954	5.72553	3.017904	0.527096
SHMT2	1	5.813956	4.277913	7.303307	7.52964	10.56204	8.64137	7.828361	11.24248	6.491819	15.86954	7.097371	10.01471	1.411046
SHOC2	1	17.32423	18.57832	11.44125	9.801558	11.95247	15.9249	19.34342	15.41602	22.43469	10.39712	13.81957	16.70323	1.208665
SHOX	1	0	0	0.53442	0.048855	0	0	0	0	0	0	0.116655	0	0
SHOX2	1	0	0.013548	3.759756	5.360312	0	0	0.038239	0.403063	0.062019	0	1.826723	0.100664	0.055106
SHPK	1	0.883439	0.70424	1.248433	1.518924	0.676903	1.577371	2.14229	4.029174	1.182063	0.691092	1.006388	1.924398	1.912183

SHPRH	1	3.411316	3.931362	4.926076	3.815643	1.814763	3.30467	6.837907	14.4169	15.32245	7.839883	3.579832	9.544363	2.666148
SHQ1	1	4.119358	3.734379	3.163441	3.978113	4.92778	2.810299	6.336101	4.200063	3.141373	1.456468	3.984614	3.588861	0.90068
SHROOM1	1	1.651313	1.548405	3.214757	2.779182	1.82489	1.583689	1.254333	2.732502	2.472163	3.850498	2.20371	2.378637	1.079379
SHROOM2	0.000598	3.597569	4.214195	4.847475	5.176392	3.413152	0.435592	1.041559	0.723023	1.099632	1.287545	4.249756	0.91747	0.215888
SHROOM3	1	1.591284	0.891945	2.35079	2.715552	0.594309	0.682799	0.351507	1.547487	3.97467	3.783901	1.628776	2.068073	1.26971
SHROOM4	1	1.404403	1.307318	2.944475	3.198822	1.464547	9.071631	1.816151	1.011103	1.38982	0.550295	2.063913	2.7678	1.341045
SHTN1	0.484142	85.9237	104.1427	88.62064	107.7468	91.62286	43.04017	37.29099	31.27743	32.49258	19.09019	95.61133	32.63827	0.341364
SI	1	0.025054	0.049513	0.013679	0.02626	0	0.196671	0.212951	0.048562	0.064759	0.010412	0.022901	0.106671	4.65788
SIAE	1	9.79872	7.346768	8.544331	12.82347	14.92672	27.89402	22.99549	14.37823	2.96884	4.877673	10.688	14.62285	1.368156
SIAH1	1	7.492254	6.998332	6.31589	6.560656	13.54424	11.48234	8.48232	10.08566	10.44789	8.9187	8.182275	9.883382	1.207901
SIAH2	1	5.190434	5.43269	5.220604	5.646676	14.42867	7.365642	7.80129	4.445799	2.848805	4.666921	7.183815	5.425691	0.755266
SIAH3	1	0.045863	0.207173	0.651059	0.961432	1.057884	0	0.730924	0.059265	0.118547	0.495557	0.584682	0.280859	0.480361
SIDT1	1	7.363607	6.077833	2.376727	1.778965	3.565754	0.907757	1.181499	7.700759	3.390301	3.890661	4.232577	3.414196	0.806647
SIDT2	1	8.598425	7.517	13.46982	14.11519	12.28971	14.81573	11.42287	27.65519	15.74615	24.18191	11.19803	18.76437	1.675685
SIGIRR	1	0.337381	0.21167	0.982436	0.995398	1.034223	3.302374	1.301073	1.098001	1.195058	2.357605	0.712222	1.850822	2.59866
SIGLEC1	1	0.323013	0.186988	0.515747	0.256873	0.228345	0.085232	0.138431	0.119258	1.347113	0.879884	0.302193	0.513984	1.700845
SIGLEC10	1	0.720281	0.786528	1.131047	1.269273	1.679992	2.928346	0.910747	0.723072	0.523149	1.385361	1.117424	1.294135	1.158141
SIGLEC11	1	0.938311	0.786452	2.289379	0.904466	0.696245	4.910489	3.349068	1.326178	0.416859	0	1.122971	2.000519	1.781453
SIGLEC15	1	0.007761	0.008764	0.050847	0.032538	0	0	0	0.010029	0.04012	0.167711	0.019982	0.043572	2.180565
SIGLEC5	1	0.366319	0.270487	0.384628	0.371302	0.535268	0.3318	0.089816	0.109238	0.473434	1.229598	0.385601	0.446777	1.158653
SIGLEC8	1	0.014164	0.023992	0.216529	0.144215	0.07687	0	0	0	0.109831	0	0.095154	0.021966	0.230848
SIGLECL1	1	0.015001	0	0	0	0	0	0	0	0	0	0.003	0	0
SIGMAR1	1	5.884191	4.041835	6.650642	6.569038	14.35452	8.127049	9.873984	9.782876	7.651824	13.77476	7.500045	9.842098	1.312272
SIK1	1	3.746108	5.031123	6.449802	5.562817	5.578047	3.336955	4.831442	1.647932	3.730074	5.634539	5.273579	3.836189	0.727435
SIK2	1	11.25692	11.18506	6.349277	6.040375	9.698197	3.477276	7.018473	7.36908	2.690161	1.687186	8.905965	4.448435	0.499489
SIK3	1	23.07521	23.45113	33.5802	39.04675	26.80204	18.39025	22.41382	20.42501	15.18566	24.90168	29.19107	20.26328	0.69416
SIKE1	1	3.253481	6.77201	6.631777	5.578524	3.600798	7.678633	9.814436	15.56385	12.92779	10.4986	5.167318	11.29666	2.186175
SIL1	1	6.061452	4.4657	5.043038	4.806075	7.310573	11.12772	10.57001	4.823973	6.86397	6.173645	5.537367	7.911864	1.428813
SIM1	1	0	0	0.053477	0.078218	0	0	0	0	0	0	0.026339	0	0
SIM2	1	0	0.007271	0.084368	0.015425	0	0	0	0	0	0	0.021413	0	0
SIMC1	1	7.011114	7.13411	5.462109	6.333043	6.885281	3.983489	4.632326	5.179005	5.112837	2.255215	6.565132	4.232574	0.644705
SIN3A	1	7.239397	6.35992	7.517868	7.297521	4.180598	6.841249	8.265581	19.57715	10.37657	14.37739	6.519061	11.88759	1.823513
SIN3B	1	15.77083	14.65935	18.17108	23.10554	14.29451	7.07752	13.07904	10.37547	10.01915	18.40988	17.20026	11.79221	0.685583
SINHCAF	1	0.505614	0.458296	0.624767	0.573794	0.722141	2.541592	1.116814	1.237954	1.513275	0.265421	0.576923	1.335011	2.314022
SIPA1	1	2.036354	2.9848	12.54696	19.43253	8.475101	7.978876	2.331728	2.331466	2.699985	6.884205	9.09515	4.445252	0.48875
SIPA1L1	1	23.95944	22.74183	12.61077	18.80588	16.95336	23.16199	31.58674	16.32944	16.07611	6.04525	19.01426	18.63991	0.980312
SIPA1L2	1	3.997815	3.117911	8.166766	7.207798	3.817516	6.711027	7.630897	4.254041	6.938559	5.663364	5.261561	6.239578	1.18588
SIPA1L3	1	3.519175	2.345849	9.847489	6.801736	1.324121	2.084549	2.450369	7.94728	4.056585	13.17335	4.767674	5.942428	1.2464
SIRPA	1	70.73055	51.55205	55.76042	61.8254	29.93514	28.1773	62.39182	40.94979	24.68991	38.37287	53.96071	38.91634	0.721198
SIRPB1	1	0.009495	1.238464	2.581689	1.325055	0.012883	1.391316	2.542195	1.803616	1.693436	2.888411	1.033517	2.063795	1.996866
SIRPB2	1	0.413547	0.448151	0.884925	0.800623	0.215378	0.065583	0.488204	0.367059	0.064784	0.020832	0.552525	0.201292	0.364314
SIRPD	1	0	0.052891	0	0	0	0	0	0	0	0	0.010578	0	0
SIRT1	1	5.555992	5.359821	4.742958	4.623071	3.437783	6.771848	9.537258	26.05226	11.81176	5.904064	4.743925	12.01544	2.532805
SIRT2	1	42.33073	44.51744	84.05204	113.1118	185.1288	145.8345	93.41914	64.90385	29.53377	68.4717	93.82817	80.4326	0.857233
SIRT3	1	5.510871	4.664642	2.260943	3.294456	13.90474	6.950103	5.19965	6.026726	1.838013	3.407092	5.927131	4.684317	0.790318
SIRT4	1	0.903104	0.915811	0.861391	0.816887	1.040309	0.424397	0.587465	0.790709	0.19056	0.269614	0.9075	0.452549	0.498676

SIRT5	2.83E-08	66.53892	53.35398	36.06022	49.00594	82.57958	3.959001	5.521481	6.358408	5.373127	8.496676	57.50773	5.941738	0.103321
SIRT6	1	1.394354	1.259722	2.459597	1.773075	3.812926	1.740081	1.754968	2.051297	2.384286	5.955174	2.139935	2.777161	1.297778
SIRT7	1	3.568367	3.168928	4.222308	4.525968	9.98317	16.47744	10.68137	23.81223	12.45041	15.35294	5.093748	15.75488	3.092983
SIT1	1	0.063989	0.072264	0	0.038326	0.347292	0	0	0	0.0827	0.292522	0.104374	0.075045	0.718994
SIVA1	1	0.713893	0.806204	1.619081	1.874792	0.596083	1.293243	0.116691	0	4.116404	25.33209	1.122011	6.171686	5.50056
SIX1	1	3.807948	0.015386	0.059509	0.048961	0.110914	0	0	0.035211	0.105648	0	0.808544	0.028172	0.034843
SIX2	1	1.193434	0.040534	0.195971	0.09674	0.02435	0	0	0	0.139164	0	0.310206	0.027833	0.089724
SIX3	1	0.010853	0	0.888834	2.203598	0.029451	0	0	0	0.476896	0	0.626547	0.095379	0.15223
SIX4	1	0.942691	0.516451	0.526955	0.329363	0.403518	0.132145	1.11486	0.188526	0.696196	0.055967	0.543796	0.437539	0.804601
SIX5	1	0.714027	0.207137	1.044374	1.914681	0.817718	0.925614	0.306238	0.423248	0.745025	0.686036	0.939587	0.617232	0.656919
SIX6	1	0	0	0.106954	0	0	0	0	0	0.316461	0	0.021391	0.063292	2.958866
SKA1	0.192269	0.123785	0.062129	0.105133	0.049427	0.149294	3.16705	4.851555	1.617345	0.604371	0.274362	0.097953	2.102936	21.46874
SKA2	1	20.53959	18.69361	12.03498	12.65325	26.9288	4.629841	2.332899	3.305661	5.730645	3.224777	18.17004	3.844764	0.211599
SKA3	1	1.052377	2.852293	5.639797	8.708084	5.777513	0.466014	0.481653	0.899629	0.418493	0.982356	4.806013	0.649629	0.13517
SKAP1	1	4.560908	2.323606	0.699007	2.985061	3.753367	2.392855	2.841927	0.059085	0.295467	0.038004	2.86439	1.125467	0.392917
SKAP2	1	3.331463	4.293942	4.162657	3.142804	3.075178	2.378996	1.290262	1.787451	9.601605	4.431482	3.601209	3.897959	1.082403
SKI	1	12.45907	13.37947	27.56576	22.86596	24.00959	12.27161	10.47308	44.34831	64.48371	87.70499	20.05597	43.85634	2.186698
SKIDA1	1	0.603009	0.451077	0.320795	0.376605	0.587414	0.202291	0.498308	0.59274	0.572844	0.719673	0.46778	0.517171	1.105587
SKIL	1	7.073352	9.96702	6.588003	6.087487	5.245599	7.959822	15.09537	7.566004	11.61034	4.38874	6.992292	9.324057	1.333476
SKINT1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SKOR1	1	0	0	0.96265	0	0	0	0.050629	3.556075	1.693615	3.624026	0.19253	1.784869	9.2706
SKOR2	1	0.004398	0	0.451472	0.010537	0	0	0	0.409221	1.159627	0.321706	0.093282	0.378111	4.053435
SKP1	1	60.97487	76.87024	61.03828	67.2139	246.2526	172.9396	185.2097	152.8775	187.9685	155.2305	102.47	170.8452	1.667271
SKP2	1	2.976434	2.925755	2.30719	1.858053	2.809908	1.382154	1.0957	1.831014	1.517037	0.641127	2.575468	1.293406	0.502202
SLA	1	1.469808	1.653032	2.37778	0.833241	2.002495	2.37407	2.13359	13.69385	1.969949	3.680049	1.667271	4.770301	2.861143
SLA2	1	0.258904	0.327467	0.361879	0.316342	0.519909	0.162591	0.649186	4.389441	0.856601	0.774692	0.3569	1.366502	3.828808
SLAIN1	1	8.470648	11.82285	17.4985	21.93378	16.65115	25.811	19.24643	16.77432	24.89658	13.91849	15.27539	20.12937	1.317765
SLAIN2	1	6.46797	5.518907	4.184255	4.676374	3.752754	6.916807	8.999484	11.39226	16.55097	7.938224	4.920052	10.35955	2.105577
SLAMF1	1	0.238832	0.429091	0.047418	0.078026	0.76595	0	0	0	0.056122	0.072185	0.311863	0.025661	0.082284
SLAMF6	1	0.017972	0.108246	0.03925	0.050234	0.065027	0.031351	0.08911	0.185792	0.526487	0.358508	0.056146	0.23825	4.243408
SLAMF7	1	0.192296	0.082728	0.079994	0.021938	0.099396	0.095843	0.077832	0.118328	0.899423	0	0.09527	0.238285	2.501151
SLAMF8	1	0.215459	0.135178	0.13071	0.157726	0.519721	0.125286	0.915681	0.773393	0	0.019898	0.231759	0.366851	1.582902
SLAMF9	1	0	0	0	0.043057	0	0	0	0	0.371638	0.059751	0.008611	0.086278	10.01893
SLBP	1	12.94978	15.86941	7.935068	10.50415	23.69537	71.33323	27.83212	18.87593	10.17574	16.01598	14.19076	28.8466	2.032774
SLBP2	1	0	0	0	0	0	0	0.103524	0.031477	0	0	0	0.027	#DIV/0!
SLC10A1	1	0	0	0.278214	0.217999	0	0	0	0	0.564479	0.030252	0.099243	0.118946	1.198539
SLC10A2	1	0	0	0.118374	0	0	0	0	0	0	0	0.023675	0	0
SLC10A3	1	1.112069	1.311272	2.300136	1.900259	2.369852	0.907207	0.757579	1.208804	0.980711	1.941061	1.798718	1.159072	0.644388
SLC10A4	1	0.262353	0.674286	3.299514	1.072858	0.343696	1.657046	7.170444	0.140284	0	0.240617	1.130541	1.841678	1.629024
SLC10A5	1	0.566574	0.574667	0.52703	0.603285	1.466315	0.960902	0.457052	0.501651	0.298322	0.148252	0.747574	0.473236	0.633028
SLC10A6	1	0.049229	0.166784	0.053757	0.117942	0.200387	0	0	0	0.508993	0.286423	0.11762	0.159083	1.352518
SLC10A7	1	0.775473	0.524738	0.157704	0.300869	0.306711	0.854379	1.187512	1.898683	0.568065	0.182665	0.413099	0.938261	2.271274
SLC11A1	1	0.0583	0.018811	0.363785	1.24709	0.090404	0	0.017698	0	0	0.110759	0.355678	0.025691	0.072232
SLC11A2	1	6.715635	7.360495	7.79737	8.293324	10.44683	3.706434	6.502282	7.642534	2.106517	2.838483	8.12273	4.55925	0.561295
SLC12A1	1	0.147301	0.227634	0.507947	0.320398	0.094672	0.202862	0.4448	0.060109	0.440864	0.154651	0.25959	0.260657	1.004109
SLC12A2	1	8.20251	15.0277	26.2088	25.33693	4.779384	9.794032	17.85747	10.28603	21.11651	6.62522	15.91106	13.13585	0.82558

SLC12A3	1	0.243437	0.023397	0.339355	0.161317	0.252998	0.623439	1.551872	2.262256	1.231703	1.782283	0.204101	1.490311	7.301837
SLC12A4	1	8.553717	6.672607	20.40654	22.53277	7.364442	15.15261	8.415495	10.42549	13.82656	10.69494	13.10601	11.70302	0.89295
SLC12A5	1	45.30291	54.6962	57.50757	58.59828	72.30733	46.47305	88.40653	76.82062	51.00405	113.4167	57.68246	75.22419	1.304109
SLC12A6	1	13.8587	15.21521	16.65116	15.41109	12.72493	7.077525	11.62028	24.28636	15.32568	10.75987	14.77222	13.81394	0.93513
SLC12A7	1	2.912808	1.932853	4.41897	4.809371	2.07707	3.004229	0.880997	0.998237	0.934266	1.101539	3.230214	1.383854	0.428409
SLC12A8	1	0.337534	0.611324	0.278174	0.259381	0.743134	6.032505	4.506445	1.415489	4.214163	10.18438	0.445909	5.270596	11.81988
SLC12A9	1	2.445457	1.884129	4.916514	5.75613	3.752225	2.870552	3.703094	3.484939	2.983306	1.880614	3.750891	2.984501	0.795678
SLC13A1	1	0.101747	0.076603	0.055553	0.020314	0.138055	0.621224	0.486468	0.460181	0	0.479225	0.078454	0.40942	5.218574
SLC13A2	1	0	0	0	0	0	0	0	0	0.071839	0.057751	0	0.025918	#DIV/0!
SLC13A3	1	13.4957	2.763234	8.573846	6.71538	7.702316	1.024411	1.710031	5.185456	6.408976	7.240096	7.850095	4.313794	0.549521
SLC13A4	1	27.44424	0.111335	6.863032	4.28102	0.117046	0.322462	0.052373	0.159246	1.943081	0.153642	7.763335	0.526161	0.067775
SLC13A5	1	6.618274	5.942433	6.349867	6.634549	6.942252	1.08141	5.714456	4.678554	6.875917	12.00326	6.497475	6.07072	0.93432
SLC14A1	1	3.514848	1.9751	9.630525	19.48078	4.093031	5.144033	3.658812	3.022135	0.665843	3.329917	7.738857	3.164148	0.408865
SLC14A2	1	0.02503	0	0.018222	0.044975	0	0.13099	0.035458	0	0	0	0.017645	0.03329	1.886606
SLC15A1	1	0.078994	0.104077	0.057507	0.228681	0.14291	0.241152	0.251788	0.204156	0	0.032829	0.122434	0.145985	1.192359
SLC15A2	1	2.109919	1.872856	1.270513	1.144117	1.507984	2.181115	5.535149	2.019617	1.526154	0.072168	1.581078	2.266841	1.433731
SLC15A3	1	0.923485	0.668815	2.564914	3.102274	1.71609	2.468982	2.02635	1.504656	0.830276	1.318219	1.795116	1.629696	0.90785
SLC15A4	0.671635	8.97918	12.48565	15.17918	17.59567	21.14867	5.416519	5.068661	9.583621	8.397962	5.742673	15.07767	6.841887	0.453776
SLC15A5	1	0.021513	0.036442	0	0.064426	0.058379	0	0	0	0	0.053643	0.036152	0.010729	0.296762
SLC16A1	1	6.170088	7.297975	8.900744	8.058903	6.154003	7.222783	15.29631	16.10011	6.463364	3.670835	7.316343	9.75068	1.332726
SLC16A10	1	0.20625	0.561747	0.92738	0.595864	0.197539	0.25397	1.237471	2.633851	0.815358	0.847057	0.497756	1.157541	2.32552
SLC16A11	1	2.109534	2.545667	1.73755	3.277877	5.266615	0.37851	0	0.124616	0.249269	0.460887	2.987449	0.242657	0.081225
SLC16A12	1	1.346395	0.051688	0.907965	0.141637	0.020701	0.359293	0.283671	0.492873	0.8873	0.380424	0.493677	0.480712	0.973737
SLC16A13	1	1.639968	0.596415	1.396227	1.465057	1.609161	6.158059	2.146038	1.604368	1.00587	0.677693	1.341366	2.318405	1.728392
SLC16A14	1	6.578044	8.236007	5.418182	3.509859	4.717612	1.439041	4.025252	1.642416	6.191544	5.15002	5.691941	3.689654	0.648224
SLC16A2	1	11.05103	6.35975	7.982588	10.09739	9.637088	28.00764	11.29556	3.988476	7.558211	9.436538	9.025568	12.05728	1.335903
SLC16A3	1	0.142279	0.306747	0.889825	0.852178	0.666899	1.963022	1.745306	1.604566	1.771966	6.170913	0.571586	2.651155	4.638245
SLC16A4	0.496683	0.041809	0.05115	0.030436	0.012521	0.156001	2.935558	1.006872	0.504245	0.405256	0.046333	0.058383	0.979653	16.77968
SLC16A5	1	0.16111	0.098769	0.643399	0.430099	0.349761	0.096359	0.088033	0.214139	0.07139	0.344339	0.336628	0.162852	0.483775
SLC16A6	1	2.948737	1.575616	0.86442	0.841582	0.456484	0.569627	1.850338	0.895065	0.153462	0.263183	1.337368	0.746335	0.558063
SLC16A7	1	1.082712	1.342894	1.374297	0.759339	0.99193	0.460075	0.324459	0.107623	0.597994	1.299876	1.110234	0.558005	0.502601
SLC16A8	1	0	0.005726	0.044295	0.012148	0	0	0	0	0.550458	0.413009	0.012434	0.192693	15.49774
SLC16A9	1	3.259492	1.290727	1.314836	1.566317	2.476142	1.181506	1.029443	13.77252	3.939053	3.838984	1.981503	4.752302	2.398332
SLC17A1	1	0	0	0	0	0	0.151735	0.030805	0	0	0.024099	0	0.041328	#DIV/0!
SLC17A2	1	0	0	0	0	0	0.094963	0.038559	0	0.093807	0	0	0.045466	#DIV/0!
SLC17A3	1	0	0	0	0	0	0.357405	0	0.050429	0	0	0	0.081567	#DIV/0!
SLC17A4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SLC17A5	1	6.741271	6.507767	3.877003	3.696875	9.597651	2.167734	4.903919	4.929101	2.635511	1.248501	6.084114	3.176953	0.522172
SLC17A6	1	10.98813	18.233	21.9203	25.82673	11.2255	2.748185	17.33822	134.6545	32.57688	48.4072	17.63873	47.145	2.672811
SLC17A7	1	181.3997	157.2382	94.61924	127.2996	202.4323	424.7692	309.6407	145.4077	116.5842	151.6594	152.5978	229.6123	1.504689
SLC17A8	1	0	0.072018	0.348189	0.089124	0	0.111247	0.045171	0.054938	0	0.141347	0.101866	0.070541	0.692482
SLC17A9	1	0.146345	0.183631	0.408391	0.311654	0.397131	0.085097	0.069105	0.042024	0	0.02703	0.28943	0.044651	0.154273
SLC18A1	1	0.039518	0.033471	0.129458	0.165684	0	0.62043	0.440861	1.148982	0.61288	0.229922	0.073626	0.610615	8.29345
SLC18A2	1	0.027599	0.015584	6.660318	2.710941	0	0.072216	0.087969	0.106991	1.284075	1.353406	1.882888	0.580931	0.308532
SLC18A3	1	0.031328	0.008845	0.239464	0.31898	0	0	0.033285	0	0	0.026038	0.119723	0.011865	0.099101
SLC18B1	1	3.339398	3.559255	5.455703	5.287145	9.14984	9.0429	12.1018	11.7582	7.828788	5.529678	5.358268	9.252273	1.726728

SLC19A1	1	0.960201	0.771918	2.283643	2.432031	3.069391	0.809118	0.717591	0.441638	0.883404	3.442596	1.903436	1.258869	0.661367
SLC19A2	1	3.431352	4.477431	3.599177	3.185318	1.987619	1.458257	10.92872	8.580074	2.345973	3.070395	3.336179	5.276683	1.581654
SLC19A3	1	1.829348	1.765659	1.714214	1.675749	1.73491	19.2134	5.676224	4.727845	4.646724	1.641501	1.743976	7.18114	4.117683
SLC1A1	1	21.25174	23.31554	11.64864	13.34766	1.031552	5.968061	22.86972	6.232282	2.272197	7.800086	14.11903	9.02847	0.639454
SLC1A2	1	138.4753	143.3063	105.7263	124.0802	75.03234	45.57432	91.54102	2.846657	8.900723	5.330759	117.3241	30.8387	0.26285
SLC1A3	1	378.3502	294.7867	280.0756	237.3524	260.8939	124.693	361.9613	552.9011	466.1433	302.0986	290.2917	361.5595	1.245504
SLC1A4	1	22.74634	20.12329	23.42754	20.82782	17.728	11.01926	6.995002	6.471019	7.337079	5.965129	20.9706	7.557498	0.360385
SLC1A5	1	0.677728	0.463633	1.75054	2.084258	0.247575	2.523665	1.135493	1.094718	1.212787	0.812459	1.044747	1.355824	1.297754
SLC1A6	1	9.780459	7.231123	22.59569	8.101565	24.81963	26.42207	16.90325	141.5603	64.56442	74.38104	14.50569	64.76621	4.464882
SLC1A7	1	0.178547	0.378063	0.146227	0.828785	0.121129	0	0.071138	0.05768	2.192177	0.111302	0.33055	0.486459	1.471665
SLC20A1	1	13.05121	11.18576	12.11538	10.70622	16.91565	19.28424	15.85973	16.43564	12.23327	8.531174	12.79484	14.46881	1.130831
SLC20A2	1	5.165964	4.55543	9.176981	7.499948	6.192224	4.717343	5.13138	6.806959	9.552357	7.459667	6.518109	6.733541	1.033051
SLC22A1	1	1.620575	0.00245	0.189519	0.14813	0.011774	0	0	0	0.033646	0.007213	0.39449	0.008172	0.020715
SLC22A10	1.78E-15	0	0.036929	0	0.013057	0	0	0.023162	0	0	0.01812	0.009997	0.008256	0.82587
SLC22A11	1	0	0	0	0	0	0	0	0	0	0.018146	0	0.003629	#DIV/0!
SLC22A13	1	0	0	0	0.023946	0	0	0	0	0	0	0.004789	0	0
SLC22A14	1	0.011379	0.01285	0.049702	0.040892	0.030879	0	0.060449	0.176449	0.264712	0.122951	0.02914	0.124912	4.286558
SLC22A15	1	1.83195	4.336885	4.297271	1.798933	0.822414	3.101043	5.632547	6.897276	4.32604	1.669282	2.617491	4.325238	1.652437
SLC22A16	0.006332	1.807287	2.840539	4.292919	5.401186	5.233027	0.14626	1.405505	0.625988	0.626079	0.294237	3.914992	0.619614	0.158267
SLC22A17	1	76.98932	78.68967	129.4055	162.0905	135.8723	84.42352	147.0542	119.9761	109.6732	233.6401	116.6095	138.9534	1.191614
SLC22A18	0.006727	0.433683	0.897895	0.368335	1.673964	2.680655	0	0.038398	0.015567	0.031139	0.190244	1.210906	0.05507	0.045478
SLC22A2	1	0.074453	0	0.027101	0	0	0.06494	0	0	0.320748	0.020628	0.020311	0.081263	4.000979
SLC22A20P	1	0	0	0	0	0	0	0	0	0	0.017325	0	0.003465	#DIV/0!
SLC22A23	1	5.304059	7.692639	12.99957	17.29356	8.037408	2.530259	3.820372	1.453182	12.38624	5.078325	10.26545	5.053676	0.4923
SLC22A3	1	4.910943	1.157588	2.352485	1.970179	1.870136	1.939666	0.196896	0.434044	2.48489	2.377848	2.452266	1.486669	0.606243
SLC22A31	1	0.06149	0.039681	0.134292	0.11575	0.095351	0	0	0	0.635765	0.043807	0.089313	0.135914	1.52178
SLC22A4	1	0.246769	0.457828	1.944011	0.823466	2.080698	0.599589	0.355824	1.84495	0.911219	1.772703	1.110554	1.096857	0.987666
SLC22A5	1	2.986937	3.016706	7.812706	8.850557	7.32832	2.753123	7.030242	8.641084	5.318364	5.208207	5.999045	5.790204	0.965188
SLC22A6	1	5.148597	1.408629	4.462958	4.895829	2.136551	6.157374	2.199381	7.933456	4.024471	2.455843	3.610513	4.554105	1.261346
SLC22A7	1	0	0	0.049438	0.009039	0	0.118465	0.096204	0.156008	0	0.35121	0.011695	0.144377	12.34495
SLC22A8	1	4.46166	0.216925	0.972502	0.857645	0.568649	0.319854	0.204088	0.609265	0.315961	0.087085	1.415476	0.307251	0.217065
SLC22A9	1	0	0	0.025025	0	0	0	0	0	0.059238	0	0.005005	0.011848	2.367093
SLC23A1	1	0.088772	0.125314	0.060586	0.013292	0.030112	0.116144	0.106108	1.04676	0.086048	0.073785	0.063615	0.285769	4.492134
SLC23A2	1	22.69344	20.27726	18.13969	18.07432	15.6707	13.45851	25.85894	19.54249	12.53117	12.9839	18.97108	16.875	0.889512
SLC23A3	1	0.015483	0	0.033814	0	0.168063	0	0	0	0.120062	0.064345	0.043472	0.036881	0.848393
SLC24A1	1	1.004855	0.245072	0.226669	0.593378	0.102417	0.271578	0.100247	0.182887	1.390141	0.156845	0.434478	0.42034	0.967459
SLC24A2	1	5.800905	29.16414	48.64955	33.12582	0.46443	2.215571	38.33888	7.12358	14.90116	5.675019	23.44097	13.65084	0.58235
SLC24A3	1	20.14807	14.36711	38.61752	41.8057	15.08776	32.58643	17.59437	15.91901	10.44062	17.04146	26.00523	18.71638	0.719716
SLC24A4	0.58793	6.947141	7.493824	3.17912	5.677828	4.99426	0.965221	1.753105	1.189107	2.63487	1.229682	5.658434	1.554397	0.274704
SLC24A5	1	0	0	0	0.059754	0	0	0.211997	0	0.773628	0	0.011951	0.197125	16.49463
SLC25A1	1	11.05247	7.413891	14.70068	14.87509	18.23405	13.10901	7.290477	15.43279	11.10832	29.64132	13.25523	15.31638	1.155497
SLC25A10	1	5.201506	5.712767	6.753534	11.39471	17.53565	4.35363	2.803411	7.883372	3.344947	8.744419	9.319634	5.425956	0.582207
SLC25A11	1	37.28199	40.46811	40.61823	47.23892	105.8583	40.80418	52.93553	44.2313	32.13288	49.27679	54.29311	43.87613	0.808135
SLC25A12	1	28.61652	37.65743	17.68161	18.45713	37.25175	37.70992	60.2824	38.31235	37.00713	39.2089	27.93289	42.50414	1.521652
SLC25A13	1	3.268561	4.066355	4.547336	5.741624	4.620023	6.643497	11.09268	4.50733	4.323986	1.31152	4.44878	5.575802	1.253333
SLC25A14	1	19.99732	19.95118	8.317553	10.24099	27.95061	11.24464	17.68339	11.84071	8.521853	6.44434	17.29153	11.14699	0.64465

SLC25A15	0.02686	17.08943	14.43099	7.816566	9.743412	18.99322	3.579604	2.25344	1.562209	2.82335	1.542495	13.61472	2.35222	0.17277
SLC25A16	1	12.14453	14.43935	5.958454	6.227223	9.10449	6.59874	14.03924	10.06208	10.44474	7.808087	9.574809	9.790579	1.022535
SLC25A17	1	22.83079	17.89225	9.6953	15.8602	35.35555	5.880887	13.16883	8.19512	7.822446	8.2859	20.32682	8.670638	0.426561
SLC25A19	1	2.295158	2.692454	4.193313	4.066914	5.710717	2.994511	1.553646	1.11733	1.577636	1.902375	3.791711	1.829099	0.482394
SLC25A2	1	0.008471	0	0	0.020295	0	0	0.036002	0	0.131381	0.380218	0.005753	0.10952	19.03588
SLC25A20	1	8.13735	5.974959	6.239225	8.277499	17.63209	20.72598	22.83612	32.06554	17.27473	33.22599	9.252224	25.22567	2.726444
SLC25A21	1	0.359342	0.513226	0.611673	0.424123	0.473227	0.304207	0.505312	0.259489	0.519054	0.281104	0.476318	0.373833	0.784839
SLC25A22	1	15.89639	17.87386	30.22813	40.37412	31.85711	11.87152	12.27105	16.50177	14.01887	26.52081	27.24592	16.2368	0.595935
SLC25A23	1	16.63253	14.65282	17.11533	21.35857	26.833	55.66463	27.51979	17.96391	9.328371	43.73637	19.31845	30.84262	1.596537
SLC25A25	1	8.180956	9.813908	10.63762	9.824515	9.740548	8.683085	20.14184	10.81573	7.133689	7.88524	9.639509	10.93192	1.134074
SLC25A26	0.067043	4.061172	5.479621	4.185378	5.577973	12.19357	3.072787	4.488181	3.709383	1.475537	2.060553	6.299543	2.961288	0.47008
SLC25A27	1	16.94129	18.65733	11.77682	12.5037	10.43864	4.4445	11.52105	9.425098	9.585983	3.316921	14.06356	7.658711	0.544579
SLC25A28	1	9.680994	10.87695	14.01427	18.61709	42.54364	19.34672	15.71115	19.42803	14.44531	32.51493	19.14659	20.28923	1.059678
SLC25A29	1	2.338672	2.930834	8.350322	10.94895	11.10618	0.682392	0.929558	0.750085	2.23971	5.397964	7.134991	1.999942	0.280301
SLC25A3	1	117.201	106.3767	112.5766	101.2898	130.6993	311.7396	337.6827	249.8313	252.6992	367.9843	113.6287	303.9874	2.67527
SLC25A30	1	15.10311	13.08192	11.00846	10.96921	3.520951	5.617767	9.679578	7.792153	4.391264	5.834371	10.73673	6.663027	0.620582
SLC25A31	1	0.245153	0.144445	0.349177	0.204291	0	0	0	0	0	0.088593	0.188613	0.017719	0.093941
SLC25A32	1	4.937019	6.504638	2.995071	3.12129	5.915246	5.099415	11.19645	8.413025	4.403022	3.815522	4.694653	6.585486	1.402763
SLC25A33	1	16.74245	16.858	15.50003	18.61143	31.43581	31.28776	33.46391	24.6706	27.30867	33.34826	19.82954	30.01584	1.513693
SLC25A34	1	0.685124	0.757762	3.455338	4.831167	2.932556	0.110891	0.900529	0.693662	0.620736	0.410945	2.532389	0.547353	0.216141
SLC25A35	1	1.348471	1.257995	2.560877	2.142062	1.272803	3.119395	3.446825	3.737587	2.475248	6.789801	1.716441	3.913771	2.280166
SLC25A36	1	27.16614	35.16044	25.258	24.46256	19.58091	26.8303	28.45838	38.34955	38.57729	27.96515	26.32561	32.03613	1.216919
SLC25A37_1	1	3.382892	3.930098	6.496435	4.91405	0.211036	0.813967	1.983027	0.753697	3.417259	0.840292	3.786902	1.561649	0.412382
SLC25A37_2	2.11E-06	6.006647	6.642195	9.096091	9.053604	11.04294	0.92342	1.296692	0.874047	1.273254	0.659967	8.368296	1.005476	0.120153
SLC25A38	1	6.219543	5.789861	8.176642	8.859878	13.91278	9.156879	8.735042	11.23604	4.700469	9.056112	8.59174	8.576909	0.998274
SLC25A39	1	13.74742	11.16146	20.73372	25.36806	35.8125	63.84422	28.23801	28.74357	23.65022	61.39188	21.36463	41.17358	1.927184
SLC25A4	1	102.8379	102.7017	89.29392	103.7678	331.9575	85.34105	73.55605	58.18873	72.49196	124.9065	146.1118	82.89687	0.567352
SLC25A40	1	2.106146	2.23986	1.55206	1.911552	2.656078	2.704823	1.894518	2.604729	3.540274	2.437895	2.093139	2.636448	1.259566
SLC25A41	1	1.131049	0.741658	0.478097	0.415204	5.024732	0.238675	0.174442	0.070721	0.895929	2.092459	1.558148	0.694445	0.445686
SLC25A42	1	1.265757	1.188095	2.539984	2.874954	1.951619	2.150689	2.113313	4.492697	2.188251	3.75051	1.964082	2.939092	1.49642
SLC25A43	1	1.727487	1.70075	2.015365	1.742141	1.161941	1.120404	0.721615	0.34343	0.839618	0.576786	1.669537	0.720371	0.431479
SLC25A44	1	19.34781	18.42051	18.23664	23.14785	17.37952	18.68173	26.11557	19.84239	11.12727	9.032981	19.30647	16.95999	0.878461
SLC25A45	1	0.144015	0.125674	0.257337	0.250931	0.230933	0.137032	0	0	0	0	0.201778	0.027406	0.135825
SLC25A46	1	26.38515	27.16263	19.2221	23.12205	15.40587	5.578259	11.30862	8.344204	10.44176	7.415012	22.25956	8.61757	0.38714
SLC25A47	1	0	0	0.166228	0	0	0	0	0	1.672276	1.518302	0.033246	0.638116	19.19401
SLC25A48	1	5.385772	3.336168	3.377298	2.976671	6.945845	1.395322	1.33708	0.082688	0.441069	0.744602	4.404351	0.800152	0.181673
SLC25A5	1	65.40532	69.43936	70.2939	69.27895	142.1776	123.6729	202.1539	119.8629	123.1844	190.3172	83.31903	151.8383	1.822372
SLC25A51	1	4.052422	5.245134	4.799016	5.532309	3.175841	8.40079	8.603769	10.94275	14.14998	6.788743	4.560944	9.777206	2.14368
SLC25A53	1	1.465076	1.533713	1.848698	1.766149	1.312624	2.799145	2.619052	0.73324	1.586915	1.159736	1.585252	1.779618	1.122609
SLC25A6	1	31.11106	39.63381	72.35737	78.8247	37.92139	184.3236	75.99772	126.0623	81.82095	190.6788	51.96966	131.7767	2.535646
SLC26A1	1	0.219147	0.185613	0.02393	0.013126	0.089204	0	0.139703	0.028319	0	0	0.106204	0.033604	0.316413
SLC26A10	1	0.691458	0.308568	1.303084	0.895091	1.649406	14.27022	2.393558	1.02322	2.363839	1.789037	0.969521	4.367975	4.50529
SLC26A11	1	135.8546	142.9064	149.8797	185.9805	229.1668	45.44145	121.3204	114.2007	67.72444	198.0472	168.7576	109.3468	0.647952
SLC26A2	1	6.570072	0.681394	0.050488	0.044308	0.602247	1.125141	0.805635	1.589259	0.239021	0.057644	1.589702	0.76334	0.480178
SLC26A3	1	0	0	0.175863	0.01484	0	0	0	0	0	0	0.038141	0	0
SLC26A4	1	0.296314	0.272987	0.093665	0.084068	0.095222	1.122225	7.183019	0	0.443427	0.097218	0.168451	1.769178	10.5026

SLC26A5	1	0.254748	0.373383	0.177562	0.11687	0.411839	0.113462	0.126693	0.252146	0.504365	0.369415	0.26688	0.273216	1.023741
SLC26A6	1	2.376504	2.284085	4.385633	3.651517	5.076911	16.25508	9.332432	15.71888	9.746378	10.78294	3.55493	12.36714	3.478871
SLC26A7	1	1.598305	0.711268	0.80181	1.0009	0.360724	0.231886	0.975181	0	0.425404	0.052612	0.894601	0.337017	0.376723
SLC26A8	1	0.089338	0.1121	0.054198	0.071345	0.430995	0.18182	0.189839	0.474606	1.282906	0.057754	0.151595	0.437385	2.885218
SLC26A9	1	0	0.01506	0.004854	0.021299	0.012063	0.023263	0.24559	0.040209	0.02298	0.022168	0.010655	0.070842	6.648581
SLC27A1	1	10.2129	7.76414	25.71392	22.69359	16.8692	4.199742	5.913302	6.263316	5.428309	11.69426	16.65075	6.699786	0.402371
SLC27A2	1	0.382751	0.45189	0.322966	0.343871	0.118029	0	0	0	3.192874	0.231367	0.323901	0.684848	2.114372
SLC27A3	1	0.534975	0.53092	1.115258	1.252558	2.551556	1.61195	3.031456	7.03876	2.849436	12.57158	1.197054	5.420636	4.528315
SLC27A4	1	2.65482	2.745788	5.554047	5.974669	7.150811	3.542166	5.850815	3.2438	2.717715	4.052713	4.816027	3.881442	0.805943
SLC27A5	1	0.727749	0.971278	4.280475	3.962572	4.196601	0.129837	0.105438	0.085492	0.897797	0.096231	2.827735	0.262959	0.092993
SLC27A6	3.67E-06	2.128815	4.621183	20.46961	10.09412	4.58943	0.123787	0.753937	0.320938	0	0.06881	8.380632	0.253494	0.030248
SLC28A1	1	0.024964	0.103369	0.145385	0.069775	0.316133	0	0	0.021506	0.17207	0.076079	0.131925	0.053931	0.4088
SLC28A2	1.21E-06	0.005581	0	0.012188	0.011142	0.010096	0.214174	0.051388	0.278844	2.154144	1.419376	0.007801	0.823585	105.57
SLC28A3	1	0.00485	0	0	0.081344	0	0	0	0	0.225675	0.096756	0.017239	0.064486	3.740733
SLC29A1	1	3.498265	3.470341	9.812251	6.630929	8.3763	11.12813	5.39303	6.860574	9.361525	11.84721	6.357617	8.918094	1.402742
SLC29A2	1	1.786939	1.733038	2.665467	2.732765	6.009051	1.266648	1.893106	1.610395	1.304477	2.225726	2.985452	1.660071	0.556053
SLC29A3	0.002711	4.960987	4.12	9.401128	14.52401	8.315709	1.454067	1.300618	0.603604	1.16575	0.388243	8.264366	0.982456	0.118879
SLC29A4	1	0.482614	0.521827	2.309853	2.607693	0.557301	0.75233	0.370937	0.159228	0.106168	2.014199	1.295857	0.680572	0.525191
SLC2A1	1	33.06148	31.56664	66.00949	71.24653	50.13889	135.8289	40.52386	33.70223	40.88621	53.50252	50.40461	60.88875	1.208
SLC2A10	1	0.16635	0.131502	0.308806	0.378612	0.203138	0.609394	1.201848	1.91315	1.246953	1.368817	0.237681	1.268032	5.335007
SLC2A11	1	2.839368	3.155005	6.46256	3.940819	6.931506	1.581416	2.09598	3.728034	3.035916	2.682236	4.665851	2.624716	0.562537
SLC2A12	1	3.42858	1.754366	1.958278	1.338554	1.138968	1.882719	6.422644	2.70478	4.874948	1.354637	1.923749	3.447946	1.792305
SLC2A13	1	5.961266	9.48811	8.258115	7.522277	0.314115	4.54329	18.8781	6.132705	1.695466	2.196791	6.308776	6.68927	1.060312
SLC2A2	1	0.003546	0	0.015487	0	0	0	0.015068	0	0.091647	0.047151	0.003806	0.030773	8.084462
SLC2A3	1	20.98142	18.03045	14.31244	13.12234	19.26585	40.03331	16.28933	17.01999	20.07406	13.72429	17.1425	21.4282	1.250004
SLC2A4	1	0.29924	0.112645	0.357885	0.512083	0.27068	0.559293	0.211957	0.147308	0.478822	0.461906	0.310506	0.371857	1.197583
SLC2A4RG	1	2.682983	2.046319	4.569559	4.59304	5.623552	0.523915	0.489282	0.776196	4.864869	14.82788	3.90309	4.296428	1.100776
SLC2A5	1	0	0.019387	1.049788	0.452418	0.675498	1.662066	0.455992	0.488043	0.22187	0	0.439418	0.565594	1.287144
SLC2A6	1	3.082164	3.528518	9.838092	10.91403	2.918202	1.506646	4.102399	3.960955	2.232465	10.27532	6.056201	4.415558	0.729097
SLC2A8	1	2.571695	3.59319	5.391002	4.261146	14.49233	4.027733	12.82415	9.072092	7.132575	10.50031	6.061873	8.711371	1.437076
SLC2A9	1	0.35112	0.208855	0.544392	0.690304	0.160016	0.028054	0.056955	0.817397	0.055425	0.0802	0.390937	0.207606	0.531047
SLC30A1	1	11.40645	9.376936	6.807944	6.667487	1.069332	10.01646	9.450028	7.037936	5.456558	2.058725	7.065629	6.803941	0.962963
SLC30A10	1	1.581142	1.204912	0.982604	1.016314	0	0.269094	0.409737	0.166113	0.332274	0.235059	0.956994	0.282455	0.295148
SLC30A2	1	0.021108	0.017878	0.046099	0.012643	0	0	0.044854	0.027276	0.245522	0	0.019546	0.06353	3.250372
SLC30A3	1	6.170158	7.416137	4.080196	7.378574	32.3154	5.256159	11.28301	0.326734	0.472017	1.313485	11.47209	3.730281	0.325161
SLC30A4	1	2.311819	2.574823	1.308551	0.946394	0.402886	2.303156	7.999712	3.535526	2.192893	2.018464	1.508895	3.609951	2.392447
SLC30A5	1	21.05184	21.93993	11.14089	11.26086	8.503332	6.206826	20.07593	16.89342	14.21344	8.827209	14.77937	13.24337	0.896071
SLC30A6	1	4.206784	4.750746	4.784375	6.328978	6.542669	6.243521	7.269729	8.497931	9.111623	5.611047	5.32271	7.34677	1.380269
SLC30A7	1	1.047327	1.212822	1.589494	0.978152	0.433541	3.530139	3.526879	4.381276	3.487177	1.68199	1.052267	3.321492	3.15651
SLC30A8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SLC30A9	1	46.20127	48.88603	25.51948	28.41718	32.15167	25.96097	29.7379	22.45574	47.58447	23.54746	36.23513	29.85731	0.823988
SLC31A1	1	10.16154	8.003531	8.730902	8.077099	4.157932	15.90659	12.04783	10.21584	7.63719	6.471345	7.826201	10.45576	1.335994
SLC31A2	1	1.275294	0.429375	1.245552	1.186077	2.128025	3.896639	2.979246	2.33376	0.982779	1.264078	1.252865	2.2913	1.828849
SLC32A1	1	8.926493	12.57453	16.10192	12.71785	8.861804	4.630119	9.308399	9.369288	7.585765	15.77147	11.83652	9.333007	0.788493
SLC33A1	1	8.733078	9.59693	8.197793	8.650544	9.410539	10.13777	28.55807	24.90102	20.19296	11.33932	8.917777	19.02583	2.133472
SLC34A1	1	0	0	0.168314	0	0	0.031025	0	0	0	0	0.033663	0.006205	0.184327

SLC34A2	1	0.100017	0.031375	0.242702	0.013312	0	0	0	0.028721	0.315975	0.489546	0.077481	0.166848	2.153403
SLC34A3	1	0.362633	0.825652	0.766429	0.903824	1.587204	0	0.049715	0.408137	0.181421	0.495866	0.889148	0.227028	0.255332
SLC35A1	1	9.829246	10.02751	3.089219	3.129119	17.5394	17.23661	20.09682	22.9482	9.660998	4.359485	8.7229	14.86042	1.70361
SLC35A2	1	0.538989	0.874613	1.417128	1.479356	2.030653	2.519465	3.069023	2.785972	2.218281	2.461768	1.268148	2.610902	2.058831
SLC35A3	1	1.614497	2.120936	1.679047	1.3288	1.281579	2.399685	3.121492	3.533916	5.053241	3.80666	1.604972	3.582999	2.232437
SLC35A4	1	5.264703	4.181251	8.461856	10.2801	15.81805	5.906554	5.92265	4.357581	3.273108	5.983183	8.801192	5.088615	0.578173
SLC35A5	1	29.59861	27.85429	20.23808	20.60393	25.78257	6.890936	14.71233	14.27742	16.05377	10.66453	24.8155	12.5198	0.504515
SLC35B1	1	17.96432	13.2789	14.94759	15.38367	39.52316	30.84565	33.63034	21.71745	17.88305	24.55651	20.21953	25.7266	1.272364
SLC35B2	1	4.180621	6.342986	16.72729	19.98397	19.8318	6.221193	7.137403	5.773438	6.599175	9.124648	13.41333	6.971171	0.519719
SLC35B3	1	2.076077	2.217795	1.960679	1.785973	3.980631	7.634718	8.635754	6.608476	5.17981	2.931464	2.404231	6.198044	2.577974
SLC35B4	1	7.426741	7.238977	6.608247	6.082658	5.227193	1.82012	6.929967	3.706044	4.259805	2.828487	6.516763	3.908885	0.59982
SLC35C1	1	2.593224	2.65762	4.603152	5.576479	7.951677	2.062582	2.512483	1.74194	2.03748	3.418258	4.67643	2.354548	0.503493
SLC35C2	1	6.359349	6.756568	12.11464	13.94228	19.46137	12.33765	14.86042	22.29784	27.80594	37.31262	11.72684	22.92289	1.954737
SLC35D1	1	2.952629	2.95378	3.975058	2.228755	0.621972	3.880659	4.354688	4.564604	3.484937	3.182522	2.546439	3.893482	1.528991
SLC35D2	1	1.071662	0.574861	0.195039	0.385121	0.48469	1.869453	0.2467	0.184643	0.230838	0.059382	0.542275	0.518203	0.95561
SLC35D3	1	0	0.033348	0.322458	1.07889	0	0.386346	0.313745	0	0	0	0.286939	0.140018	0.487972
SLC35E1	1	19.32499	20.68863	17.69368	19.39325	20.54622	7.987437	10.26861	8.055921	5.315775	7.918083	19.52935	7.909164	0.404989
SLC35E2	1	9.216371	8.439326	11.48027	12.50144	8.401639	5.131982	7.409064	6.153977	6.883015	5.959516	10.00781	6.307511	0.630259
SLC35E3	1	9.256252	11.34382	3.696169	3.772547	9.229906	3.726231	8.880177	5.8744	3.199536	1.757211	7.459739	4.687511	0.628375
SLC35E4	1	1.022488	1.167975	4.081137	4.575524	4.273672	2.460238	1.048907	1.640212	2.430297	5.23591	3.024159	2.563113	0.847546
SLC35F1	1	23.54713	28.69417	11.76139	16.64073	31.71368	23.81156	40.07963	3.890502	6.444923	3.855811	22.47142	15.61649	0.694949
SLC35F2	1	1.316649	1.627173	1.220735	1.562326	2.157254	3.380224	2.586657	0.83465	1.476904	0.392316	1.576828	1.73415	1.099772
SLC35F3	1	3.610256	4.560083	3.104413	2.252764	11.6404	1.843283	5.145594	4.762782	2.080972	2.551139	5.033582	3.276754	0.650979
SLC35F4	1	0.848983	0.673724	1.528417	0.316092	1.33873	0.360244	1.170192	0.593013	11.9213	6.770392	0.941189	4.163027	4.423156
SLC35F5	1	3.93895	2.580098	3.56667	3.203068	2.4455	2.701274	4.675013	5.467236	10.52049	4.346478	3.146857	5.542098	1.761153
SLC35F6	1	10.19375	9.566109	9.715757	10.39929	8.659563	2.464411	3.625898	3.135648	3.494107	2.403671	9.706894	3.024747	0.311608
SLC35G1	1	4.154972	0.54295	0.994746	0.751735	0.645476	1.059407	0.967868	0.601658	1.151166	0.445881	1.417976	0.845196	0.596058
SLC35G2	1	12.10589	12.22578	0.44413	0.200615	16.84771	8.51399	24.02131	61.77016	2.040753	2.227166	8.364825	19.71468	2.356855
SLC35G6	1	0.055544	0.047045	0	0.049902	0	0.07267	0	0.035888	0.430715	0.911788	0.030498	0.290212	9.515716
SLC36A1	1	5.14583	4.886625	7.811735	6.070932	2.965152	1.498816	4.782661	1.810223	3.395668	3.932914	5.376055	3.084056	0.573665
SLC36A2	0.001903	0	0	0	0	0	0.609718	2.946093	5.570441	0.361379	0.135571	0	1.92464	#DIV/0!
SLC36A3	1	0	0	0.080543	0.066267	0	0.337754	4.741207	6.648078	0	0.183918	0.029362	2.382191	81.13182
SLC36A4	1	7.078655	8.875253	9.207832	7.118624	5.491004	2.800958	3.543991	4.524513	3.730812	2.864281	7.554274	3.492911	0.462375
SLC37A1	1	2.821735	2.443235	4.011193	3.959119	4.621838	3.830283	3.981061	2.90277	0.904273	0.864674	3.571424	2.496612	0.699052
SLC37A2	1	0.587896	0.460553	1.445879	1.471918	0.776119	4.213071	2.633551	4.736094	0.273802	0.202499	0.948473	2.411803	2.542828
SLC37A3	1	7.216613	8.421607	5.278635	5.066793	8.86524	3.445041	8.601763	7.300397	6.17132	6.304449	6.969778	6.364594	0.91317
SLC37A4	1	1.548634	0.985834	3.15596	4.383704	5.634538	6.994654	6.927381	6.704582	5.660205	8.083773	3.141734	6.874119	2.188002
SLC38A1	1	16.44669	21.89458	31.57836	18.4529	13.97901	14.32175	17.42814	32.92591	38.31335	33.78631	20.47031	27.35509	1.33633
SLC38A10	1	8.905002	8.919613	21.36866	27.88355	13.05442	4.352093	9.968651	8.370768	9.853026	18.40795	16.02625	10.1905	0.635863
SLC38A11	0.000189	0	0	0.019024	0	0	5.698429	1.925082	2.048687	2.251632	0.217208	0.003805	2.428207	638.1808
SLC38A2	1	35.22089	33.50539	70.09333	60.15937	16.46598	32.68157	57.71095	57.66265	87.79532	41.68439	43.08899	55.50698	1.288194
SLC38A3	1	5.653699	4.236551	8.57891	8.846618	12.84916	26.0433	14.46665	4.41394	3.683893	3.260047	8.032987	10.37357	1.291371
SLC38A4	0.047711	0.31977	0.071206	0.137706	0.134877	0.073331	0.730667	0.401955	5.051689	3.189779	4.829007	0.147378	2.840619	19.27435
SLC38A5	1	2.74338	2.121997	4.124241	3.184989	7.903548	83.33948	11.93859	12.43197	7.188281	7.246684	4.015631	24.429	6.083478
SLC38A6	1	1.061687	0.799313	0.599659	0.635894	1.606114	3.576377	4.213852	3.516569	6.781815	2.545888	0.940534	4.1269	4.387829
SLC38A7	1	2.997843	2.910882	3.620321	4.681852	5.030621	5.27844	6.022977	5.454806	2.896778	5.480205	3.848304	5.026641	1.306197

SLC38A8	1	0.139201	0.131709	0.649103	0.414617	0.061256	0.078755	0.055961	0.097232	0.077797	0.056286	0.279177	0.073206	0.262221
SLC38A9	1	2.81317	2.480178	2.57127	2.274838	2.496032	1.792144	2.002638	2.267453	5.193954	1.966546	2.527098	2.644547	1.046476
SLC39A1	1	11.60184	7.365366	9.519236	11.81503	8.175295	9.728016	11.90102	9.608228	7.414323	8.337788	9.695353	9.397875	0.969317
SLC39A10	1	71.15423	72.638	21.9387	23.47406	32.50467	50.79707	90.80124	32.29036	19.52541	7.902728	44.34193	40.26336	0.90802
SLC39A11	1	6.153975	6.278761	10.36686	10.22614	13.30558	4.287556	5.368966	5.204553	8.535416	6.362536	9.266263	5.951805	0.642309
SLC39A12	1	17.33571	14.73798	16.75524	10.97402	11.59461	0	0.080111	0.227345	18.70995	8.596231	14.27951	5.522728	0.386759
SLC39A13	1	4.678077	4.353726	6.539378	7.885534	4.589963	2.312624	1.926614	2.520438	2.717742	6.193356	5.609336	3.134155	0.558739
SLC39A14	1	1.944047	2.06213	4.344283	3.647007	3.504442	2.634296	2.500731	3.651574	3.24831	3.439404	3.100382	3.094863	0.99822
SLC39A2	1	0.98102	0.852209	0.556229	0.644077	4.172434	0.493654	1.403109	7.630553	1.804291	0.831072	1.441194	2.432536	1.687861
SLC39A3	1	4.41069	4.867238	6.650036	7.321857	9.447739	1.269347	2.957648	1.176565	1.909784	2.971274	6.539512	2.056924	0.314538
SLC39A4	1	0	0	0	0	0	0	0	0.04488	0	0.11547	0	0.03207	#DIV/0!
SLC39A5	1	0.022811	0.02576	0.16606	0.191274	0.288871	0.955011	0.145415	0.9236	1.100619	1.175493	0.138955	0.860028	6.189243
SLC39A6	0.008982	6.19311	5.711008	8.27337	6.908379	2.759576	17.8354	27.78016	37.98996	32.70287	29.00422	5.969088	29.06252	4.868838
SLC39A7	1	20.86169	18.47072	20.41646	23.16647	30.70364	22.65994	25.13174	25.64315	20.72316	27.65935	22.7238	24.36347	1.072157
SLC39A8	1	1.374343	1.09377	0.768103	0.95279	1.497679	5.040333	2.32253	1.817907	0.783212	0.152907	1.137337	2.023378	1.779049
SLC39A9	1	11.1135	11.41496	9.714684	10.17595	9.46536	12.46168	15.89214	15.70112	17.50839	9.094977	10.37689	14.13166	1.36184
SLC3A1	1	0	0.008808	0.221436	0.046714	0	2.816349	0.76237	2.741355	3.144953	2.268902	0.055392	2.346786	42.36723
SLC3A2	1	26.09107	20.00671	37.50831	45.01662	53.29175	66.12259	35.63184	34.31022	27.06026	60.06979	36.38289	44.63894	1.226921
SLC40A1	1	7.304587	3.902275	4.716623	4.080333	4.955562	23.80622	12.28041	14.59676	18.51359	2.790267	4.991876	14.39745	2.884176
SLC41A1	1	10.07117	5.048858	14.50532	13.46147	5.172402	8.684799	11.43927	11.90629	7.570917	7.315679	9.651846	9.383391	0.972186
SLC41A2	1	8.447727	7.608997	4.215238	4.650834	3.142576	4.324139	7.958636	3.957584	11.64359	4.878968	5.613074	6.552582	1.167379
SLC41A3	0.0032	1.461271	2.036992	3.601359	3.403647	4.013599	0.716935	0.641511	0.557306	0.511485	1.480245	2.903374	0.781496	0.269168
SLC43A1	1	0.638082	0.294241	1.265804	1.216598	1.284229	4.007151	0.440665	0.439756	0.21991	0.123749	0.939791	1.046246	1.113276
SLC43A2	1	7.893591	8.282275	12.91613	10.31928	10.4583	2.570668	4.216739	7.07387	5.344076	7.820257	9.973915	5.405122	0.541926
SLC43A3	1	0.366325	0.59027	1.239087	1.10775	1.272916	4.629098	1.452424	1.489395	0.346421	0.601529	0.91527	1.703773	1.861499
SLC44A1	1	8.919578	14.14534	14.92074	17.16585	12.07816	19.29936	21.56215	10.77086	16.96673	3.389707	13.44593	14.39776	1.070789
SLC44A2	1	28.30108	24.24314	44.88957	74.04372	47.53529	24.24467	32.92343	45.03562	34.55801	55.3861	43.80256	38.42957	0.877336
SLC44A3	1	0.240418	0.159709	0.15443	0.211761	0.633226	0.518076	2.494277	2.174712	3.289959	1.821956	0.279909	2.059796	7.358807
SLC44A4	1	0.008358	0	0.073016	0.040049	0	0	0.106565	0.064804	0.086418	0.097259	0.024285	0.071009	2.924032
SLC44A5	1	5.251575	5.883659	7.585593	3.944744	9.453666	8.163331	5.863253	19.44033	23.09883	9.041034	6.423847	13.12136	2.042601
SLC45A1	1	11.00592	11.15449	16.70633	18.14115	23.6009	10.38455	13.19831	8.998425	10.79205	30.70507	16.12176	14.81568	0.918987
SLC45A2	0.000242	0.375128	0.267074	0.463063	0.380982	0.221299	6.060219	3.500435	4.278436	8.515958	6.479897	0.341509	5.766989	16.88677
SLC45A3	1	0.354046	0.37503	1.852135	2.728763	2.018347	1.149046	0.798985	0.751869	1.23438	0.844033	1.465664	0.955662	0.652034
SLC45A4	1	1.83466	1.925024	3.322115	3.126894	1.941049	1.70151	1.539684	0.534177	1.056504	0.799129	2.429948	1.126201	0.463467
SLC46A1	1	1.24444	0.996653	5.920938	5.407614	1.481745	2.159778	0.63411	2.051137	1.608326	1.878694	3.010278	1.666409	0.553573
SLC46A2	1	0.987168	0.76179	1.581021	1.625969	1.584987	0.473566	0.891515	0.744124	0.893078	1.490578	1.308187	0.898572	0.686884
SLC46A3	1	6.438251	7.687047	11.00719	8.938093	4.208289	5.754167	11.65515	12.9435	14.81819	3.507638	7.655774	9.735729	1.271684
SLC47A1	0.000651	14.17675	0.065461	0.325529	0.148793	0.089886	0	0	0	0.042809	0.027531	2.961284	0.014068	0.004751
SLC47A2	1	0.013531	0.022921	0.206857	0.089147	0	0	0.028752	0.03497	0	0	0.066491	0.012744	0.191672
SLC48A1	1	10.16335	11.09413	23.26909	28.26897	41.00733	15.80145	12.21812	9.74496	8.775475	16.51062	22.76057	12.61012	0.554034
SLC49A3	2.86E-10	0.871867	0.879688	2.387959	1.793465	1.83265	0	0.007593	0	0	0.01188	1.553126	0.003895	0.002508
SLC4A1	1	0.02115	0.011942	0	0.012668	0	0	0	0	0.191338	0.290052	0.009152	0.096278	10.52002
SLC4A10	1	36.10067	46.74686	23.1084	19.27159	13.54463	11.42789	53.61257	69.70567	80.97994	52.72491	27.75443	53.6902	1.934473
SLC4A11	1	0.244175	0.172758	0.366221	0.260779	0.39118	0.431081	0.106272	0.577835	0	0.029342	0.287023	0.228906	0.79752
SLC4A1AP	1	14.96958	11.96887	8.972699	9.858455	8.531197	6.220379	8.236089	5.776492	6.077888	7.008591	10.86016	6.663888	0.613609
SLC4A2	1	2.708312	2.03734	9.603156	11.01247	3.644663	3.873931	2.938737	3.597113	3.758041	4.310539	5.801187	3.695672	0.637054

SLC4A3	1	8.83706	8.156854	11.78812	15.62383	13.75088	13.54447	15.50748	12.10153	11.26706	25.32139	11.63135	15.54838	1.336765
SLC4A4	1	33.19135	24.55102	52.18911	28.71506	11.7644	7.386156	41.07629	67.29884	129.7076	49.86882	30.08219	59.06755	1.963539
SLC4A5	1	0.196316	0.270967	0.786034	0.581381	0.281167	0.199769	2.850602	1.902627	6.145673	5.429975	0.423173	3.305729	7.811765
SLC4A7	1	3.427806	4.068402	4.352438	3.294467	1.281304	1.90941	5.987404	5.519027	9.01876	5.270031	3.284883	5.540926	1.686795
SLC4A8	1	8.443341	9.923873	9.151448	9.547472	10.6394	6.700344	12.47521	12.65716	14.1318	9.598592	9.541107	11.11262	1.16471
SLC4A9	1	0.008691	0	0.056941	0.031232	0	0	0.027701	0.022461	0.202178	0.173365	0.019373	0.085141	4.394864
SLC50A1	1	0.927451	0.845957	1.285424	1.281909	2.952396	5.413692	2.652982	2.212564	4.333568	2.312599	1.458627	3.385081	2.32073
SLC51A	1	0	0	0	0	0	0	0	0	0.06503	0.041822	0	0.02137	#DIV/0!
SLC51B	1	0.004016	0.018143	0.175435	0.091414	0	0	0.034139	0	0	0.086797	0.057802	0.024187	0.41845
SLC52A2	1	3.902134	3.338666	14.60468	9.901755	12.40785	5.650889	2.452738	3.079341	4.773673	12.24293	8.831016	5.639914	0.638648
SLC52A3	1	0	0.007082	0.02739	0.030047	0	0	0	0	0.194505	0.406539	0.012904	0.120209	9.31584
SLC5A1	0.033048	0.016709	0	0.036492	0	0	0.131165	0.568091	1.27391	0.475086	1.694329	0.01064	0.828516	77.86704
SLC5A10	2.46E-06	0.018413	0	0	0	0	2.071725	1.760666	1.475178	3.045972	13.98782	0.003683	4.468273	1213.372
SLC5A11	1	2.921104	4.472975	11.10118	15.10377	11.06185	15.28709	5.049924	3.41217	3.625958	2.098714	8.932177	5.894772	0.659948
SLC5A12	1	0.064164	0.028984	0.098093	0.015372	0	0	0	0	0	0.031999	0.041323	0.0064	0.154872
SLC5A2	1	0.207259	0.153039	1.845404	1.594687	1.038339	0.083435	0	0	1.071456	2.318979	0.967746	0.694774	0.717931
SLC5A3	0.336427	0.023209	0.005616	0	0.007943	0	0.06073	0.221929	0.325615	0.419934	0.101963	0.007354	0.226034	30.73747
SLC5A4	1	0	0	0	0	0	0	0	0	12.33826	0.078719	0	2.483396	#DIV/0!
SLC5A5	1	2.658189	0.087685	0.618443	0.404867	0.223096	0.095609	0	0.035412	0.070834	0.015185	0.798456	0.043408	0.054365
SLC5A6	1	4.95202	3.376184	7.288139	7.61548	6.476386	2.727952	6.569958	6.154765	5.86505	8.384824	5.941642	5.94051	0.99981
SLC5A7	1	0.160216	0	1.516257	0.757025	0	0.046581	0.037828	0.138023	0.598187	0.133166	0.4867	0.190757	0.39194
SLC5A8	1	0.143135	0.085076	0.213886	0.198534	0.081773	0.23655	0.288147	0.058409	0.194726	0.025046	0.144481	0.160576	1.111399
SLC5A9	1	0	0	0	0	0	0	0	0	0.292221	0.015661	0	0.061576	#DIV/0!
SLC6A1	1	55.79488	48.74041	63.52009	56.54583	48.83517	32.17952	71.44197	45.02487	39.90322	49.94215	54.68728	47.69835	0.872202
SLC6A11	1	16.9185	13.4402	44.63323	46.37119	11.89795	8.877491	14.47574	6.703711	7.261477	5.565158	26.65222	8.576716	0.321801
SLC6A12	1	3.743145	1.177276	1.885417	1.822434	2.669813	2.591422	0.664564	0.429392	0.50524	0.167879	2.259617	0.871699	0.385773
SLC6A13	1	17.63562	1.563129	4.066378	2.987884	6.139459	20.70157	6.031801	5.393124	3.959165	1.401575	6.478494	7.497447	1.157283
SLC6A14	1	0.146539	0.165488	0.104198	0.061234	0.12947	0	0	0	0	0.028325	0.121386	0.005665	0.04667
SLC6A15	1	14.40539	18.14429	8.334466	8.118214	14.68581	5.48786	16.49816	25.0821	20.19615	21.36255	12.73763	17.72537	1.391574
SLC6A16	1	0.216564	0.312502	0.525518	0.915177	0.081623	0	0	0	0.310988	0.13	0.410277	0.088198	0.214971
SLC6A17	1	39.42728	38.33733	50.14856	53.96878	68.7946	16.75599	40.89635	27.41652	23.61126	42.07397	50.13531	30.15082	0.601389
SLC6A18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SLC6A19	1	0	0.022836	0.055204	0.012112	0	0	0	0	0	0.016808	0.01803	0.003362	0.186435
SLC6A2	1	0.394083	0.016954	0.131149	0.116893	0	0.019642	0.015951	0	0.058208	0.024956	0.131816	0.023751	0.180185
SLC6A20	0.022232	5.520784	0.79455	2.094207	1.974479	1.016223	0.074235	0.162768	0.175969	0.645314	0.29711	2.280049	0.271079	0.118892
SLC6A3	1	0	0.017823	8.651423	0.406467	0	0	0.167682	0	0	0.052471	1.815143	0.044031	0.024257
SLC6A4	1	0.1844	0.063104	0.451538	0.120486	0.030327	0.204703	0.439337	0.433247	0.375535	0.185779	0.169971	0.32772	1.928092
SLC6A5	1	0.247045	0.226871	2.347877	0.263414	0.132607	0.071037	0.807629	2.231154	1.03855	0.473852	0.643563	0.924444	1.436448
SLC6A6	1	1.831422	2.048349	4.749708	3.712668	1.425654	16.66524	4.727393	2.343847	5.113213	2.654122	2.75356	6.300763	2.288224
SLC6A7	1	13.10993	13.30142	11.05528	14.307	28.9267	2.130821	8.192139	7.223837	4.475259	14.97589	16.14007	7.399588	0.458461
SLC6A8	1	11.15895	11.23705	34.27737	42.11887	12.30947	55.02526	33.16286	29.90165	18.61836	41.03747	22.22034	35.54912	1.599846
SLC6A9	1	8.55372	9.139039	38.25586	43.42483	17.63042	9.869321	16.53585	8.475759	12.72218	11.87655	23.40077	11.89593	0.508356
SLC7A1	1	5.719	7.119163	13.82502	12.62362	6.691888	7.386246	3.316876	2.942526	7.12005	3.196581	9.195737	4.792456	0.521161
SLC7A10	1	2.543995	2.938058	6.846611	5.602793	8.605011	2.82866	6.018423	5.196521	4.731572	11.51286	5.307293	6.057607	1.141374
SLC7A11	1	7.180812	5.978841	5.79173	5.355999	3.88266	2.183921	1.724489	3.016858	9.414762	2.151456	5.638009	3.698297	0.655958
SLC7A14	1	4.658736	6.116865	12.52812	7.75915	0.335097	2.819936	9.971143	7.717357	6.760924	7.315167	6.279593	6.916905	1.10149

SLC7A2	1	7.084833	6.05106	9.370731	9.103035	3.303685	2.23194	2.674842	2.839072	2.071154	1.821816	6.982669	2.327765	0.333363
SLC7A3	1	0.215396	0.112268	0.271394	0.525967	0.494589	0.823751	1.355513	5.031521	0.385449	0.371832	0.323923	1.593613	4.91973
SLC7A4	1	0.435078	0.573226	3.705757	6.340994	0.59033	0.075897	0.123269	0.543477	0.33738	0.53038	2.329077	0.322081	0.138287
SLC7A5	1	10.93918	11.21904	28.63249	34.34509	21.7586	29.21407	5.592595	4.192619	3.496469	6.134845	21.37888	9.72612	0.454941
SLC7A6	1	2.48349	2.80462	3.175371	2.004078	2.890427	1.97748	5.003826	5.335725	5.831933	5.161624	2.671597	4.662118	1.745068
SLC7A6OS	1	16.38665	20.80175	7.882775	7.523187	42.77023	15.4891	12.73184	10.63423	2.736692	6.820019	19.07292	9.682375	0.50765
SLC7A7	1	1.27735	0.856834	1.321428	1.357558	1.237967	6.182173	3.775535	3.115077	2.06047	1.772145	1.210227	3.38108	2.793756
SLC7A8	1	10.02509	8.501465	23.30563	14.9283	22.00682	7.053246	7.973839	34.86776	26.24709	47.07182	15.75346	24.64275	1.564275
SLC7A9	1	0.065471	0.073937	0.020427	0.039214	0.152286	0.244737	0.158998	0.084603	0.193407	0.715201	0.070267	0.279389	3.976111
SLC8A1	1	14.43615	14.05492	8.555	8.513467	8.889706	2.31006	11.24987	2.288789	4.16204	1.236805	10.88985	4.249513	0.390227
SLC8A2	1	35.53154	36.06973	21.44402	25.82395	20.90804	6.881885	16.29408	20.2197	14.94324	22.51974	27.95546	16.17173	0.578482
SLC8A3	1	3.083653	3.104916	3.375522	2.474635	3.014397	3.774686	6.376376	4.001001	5.469696	2.627785	3.010625	4.449909	1.478068
SLC8B1	1	1.149407	1.144962	3.919322	3.34475	3.001411	0.5391	0.610608	0.658571	0.672681	0.739044	2.51197	0.644001	0.256373
SLC9A1	1	8.846397	9.538782	12.9317	16.86555	5.411011	3.787381	10.53901	7.494568	3.924428	5.510417	10.71869	6.25116	0.583202
SLC9A2	1	1.565708	1.010994	0.607347	0.87617	0.475537	0.518347	0.995687	0.905782	2.008766	4.135237	0.907151	1.712764	1.888069
SLC9A3	1	0.032589	0.051524	0.597849	0.062461	0.106122	0.034109	0	0.505342	0.572804	0.281701	0.170109	0.278791	1.638901
SLC9A3R1	0.022759	18.04879	13.83219	40.44276	52.57287	36.24357	4.911869	6.800986	4.196449	10.33496	8.862074	32.22804	7.021267	0.217862
SLC9A3R2	1	9.579569	9.199	16.04166	18.81992	20.83961	26.10232	18.48685	9.457544	8.503933	34.14469	14.89595	19.33907	1.298277
SLC9A4	1	0.407788	0.26096	0.049477	0.02171	0.295094	0.023712	0.009628	0.09368	0.07027	0.052724	0.207006	0.050003	0.241554
SLC9A5	1	7.747737	8.749565	13.28774	10.12288	27.41238	10.35969	18.42539	22.85032	7.309726	7.404056	13.46406	13.26984	0.985575
SLC9A7	1	17.90345	21.61546	3.743547	2.593215	14.93043	5.921781	14.9924	11.19586	3.036397	3.255912	12.15722	7.680471	0.631762
SLC9A8	1	2.887665	2.825324	4.283085	4.919304	3.681334	0.835988	1.848676	1.683146	2.871293	1.323647	3.719342	1.71255	0.460444
SLC9A9	1	4.978006	4.393839	5.398616	5.414118	2.857858	3.291526	5.024815	5.027702	4.688164	2.220744	4.608488	4.05059	0.878941
SLC9B2	1	3.769117	4.131654	2.914624	2.480345	2.414369	1.693135	2.079638	2.208812	16.57198	1.331089	3.142022	4.776931	1.520337
SLC9C1	1	0.02031	0.055702	0.012673	0.020854	0	0	0	0	0.014999	0	0.021908	0.003	0.136931
SLC9C2	1	0.092908	0.15301	1.479527	2.548156	0.141818	0.151942	0.37017	0.535255	0.940585	1.640961	0.883084	0.727783	0.824138
SLCO1A2	1	2.235935	2.690451	3.198599	2.210568	0.715393	16.01914	6.50444	5.501071	4.366164	1.533818	2.210189	6.784927	3.069839
SLCO1B3	1	0.024975	0.042306	0.040908	0.014958	0	0	0.398023	0.032273	2.58219	0.041516	0.024629	0.6108	24.79974
SLCO1C1	1	12.90957	7.911609	5.097118	7.57385	12.20339	5.894211	69.67342	2.795224	16.33237	3.257866	9.139106	19.59062	2.143603
SLCO2A1	1	1.085936	0.459883	1.10112	0.534272	0.473605	10.14832	1.813083	0.62646	0.701737	0.225649	0.730963	2.70305	3.69793
SLCO2B1	1	3.753392	2.755959	5.05616	4.829626	3.424535	29.93756	10.38132	8.081692	10.14556	3.262376	3.963935	12.3617	3.118543
SLCO3A1	1	2.66699	3.324188	7.607938	9.418659	4.94998	3.032683	4.785653	2.944283	1.804274	3.15266	5.593551	3.14391	0.56206
SLCO4A1	1	0.18033	0.083855	0.498085	0.559102	0.474965	0.388594	0.123974	0.041122	0.329027	0.573088	0.359267	0.291161	0.81043
SLCO4C1	1	0.30885	0.407571	0.333469	0.290988	0.037668	0.272413	0.117985	0.044843	0.161458	0.017306	0.275709	0.122801	0.445401
SLCO5A1	1	0.106908	0.111445	0.130212	0.128065	0.050212	0.204427	0.327655	0.031881	0.201939	0.020506	0.105368	0.157282	1.492686
SLCO6A1	1	0.014888	0.016813	0	0.035668	0	0	0	0	0.384821	0.173239	0.013474	0.111612	8.283702
SLF1	1	3.436757	3.422552	2.690401	2.007831	2.226165	3.637071	3.428499	7.846679	4.762232	3.393389	2.756741	4.613574	1.673561
SLF2	1	5.374133	6.660879	8.698622	7.392634	1.361828	3.523886	5.912359	10.16239	13.85832	5.438304	5.897619	7.779052	1.319016
SLFN11	1	0.191921	0.024082	0.146369	0.065686	0.016534	0.414509	0.595552	0.417278	0.913421	0.369678	0.088919	0.542088	6.096453
SLFN14	1	0.003293	0	0	0	0	0.017231	0.006997	0	0.476601	0	0.000659	0.100166	152.1081
SLFNL1	1	0.098007	0.199223	0.550396	0.107339	0.197569	0	0.00595	0	0.086856	0.125681	0.230507	0.043697	0.189571
SLIRP	1	43.1466	32.26055	23.31476	23.20795	149.4083	156.9998	59.02246	48.66585	27.3386	49.78783	54.26763	68.3629	1.259736
SLIT1	1	9.086933	6.359504	6.053478	9.492228	1.815931	4.879879	12.13726	0.226814	0.491501	0.176282	6.561615	3.582347	0.545955
SLIT2	1	20.16784	26.82794	4.504129	6.312751	17.49122	13.74586	32.39569	0.876373	0.402328	0.138612	15.06077	9.511773	0.631559
SLIT3	1	6.217925	4.065455	5.319053	5.756374	3.321273	1.662963	5.732943	11.42853	9.739771	13.01831	4.936016	8.316502	1.684861
SLITRK1	1	15.79901	17.57694	10.92142	12.24421	9.643845	5.55132	27.63051	11.1428	5.15524	6.842091	13.23709	11.26439	0.850972

SLITRK2	1	13.84436	15.0895	11.37372	11.61115	9.962374	7.891067	14.72969	12.3362	7.819857	3.532316	12.37622	9.261826	0.748357
SLITRK3	1	6.347995	6.115383	4.011823	4.177452	1.389014	2.979137	8.304937	0.667615	2.027868	0.834974	4.408333	2.962906	0.672115
SLITRK4	1	10.51208	13.13415	3.905402	3.807564	4.374823	3.279009	12.14794	10.57874	6.017167	6.830939	7.146804	7.770761	1.087306
SLITRK5	1	6.804839	5.504437	4.33974	5.671519	2.90976	3.497464	11.28519	1.512258	4.560468	3.347655	5.046059	4.840607	0.959285
SLITRK6	1	0.120952	0.017074	1.010394	1.695191	0	0.822878	0.668246	0.468892	1.203664	0.025133	0.568722	0.637763	1.121396
SLK	1	7.157605	8.164773	11.13183	8.409498	5.6112	10.80861	11.68626	18.77247	27.94478	14.53439	8.094981	16.7493	2.069097
SLMAP	1	14.27744	13.5246	9.692885	10.26097	9.785104	14.44959	17.47602	12.52182	18.65702	9.566864	11.5082	14.53426	1.262948
SLN	1	0	0.125685	0	0	0	0.291219	0.059124	0.143817	0	0.555024	0.025137	0.209837	8.347715
SLPI	1	0.031671	0	0	0	0	0	0	0	0	0.052648	0.006334	0.01053	1.662334
SLTM	1	34.71222	35.71326	22.8384	24.17457	14.73249	19.50653	19.61941	34.53047	34.00024	31.33982	26.43419	27.79929	1.051642
SLU7	1	37.97754	37.98017	19.06917	18.90767	7.451043	14.73887	24.35514	25.08005	24.86065	23.0434	24.27712	22.41562	0.923323
SLURP1	1	0.126046	0	0	0.339727	0	0	0	0	0	0.157148	0.093155	0.03143	0.337392
SLX1A	1	8.302278	7.609881	3.696785	5.426436	25.54819	24.3818	12.60627	12.2491	6.50047	6.485203	10.11671	12.44457	1.2301
SLX4	1	7.59862	7.346532	10.56374	10.048	6.007157	1.717849	2.052203	4.024394	2.019502	4.423936	8.312809	2.847577	0.342553
SLX4IP	0.030616	9.629992	7.308752	5.563065	7.240905	5.818086	0.668616	1.094427	0.980255	3.116633	0.822979	7.11216	1.336582	0.187929
SMAD1	1	5.275624	3.968666	4.764427	4.209702	2.925456	5.086465	7.341346	22.36593	12.76985	9.157893	4.228775	11.3443	2.682644
SMAD2	1	6.496216	6.987969	5.35124	5.285021	5.79218	3.97618	3.87242	4.133662	3.178725	2.235741	5.982525	3.479346	0.581585
SMAD3	1	9.772873	9.08797	2.533362	2.779077	1.455866	5.330729	7.333106	2.819914	1.517915	1.633014	5.12583	3.726935	0.727089
SMAD4	1	6.869255	7.044467	8.515137	8.563917	6.364754	8.277595	11.0283	16.72143	16.28641	11.57048	7.471506	12.77684	1.710076
SMAD5	1	6.638518	7.669828	9.010658	6.615949	4.778213	7.268823	6.954489	12.90298	11.42073	6.226747	6.942633	8.954755	1.289821
SMAD6	1	0.488425	0.875105	0.717972	0.82699	0.802902	1.5484	0.708552	0.339852	0.971146	0.608944	0.742279	0.835379	1.125425
SMAD7	1	3.592405	4.720648	7.542805	6.4708	4.390456	5.04565	4.378139	5.444325	4.062501	6.301101	5.343423	5.046343	0.944403
SMAD9	1	1.706665	1.282049	2.132241	3.028074	0.790714	3.782535	2.315863	2.190719	4.519015	7.919825	1.787948	4.145591	2.31863
SMAGP	1	1.457831	0.987802	1.185708	2.252159	6.329717	1.315398	0.555471	0.6496	0.155927	0.417828	2.442643	0.618845	0.25335
SMAP1	1	36.26526	34.9243	11.32599	14.44262	38.36299	47.45659	42.36768	26.21891	10.03469	13.95406	27.06423	28.00639	1.034812
SMAP2	1	47.92296	45.24808	28.65992	35.09334	31.49023	77.56284	70.01335	30.33839	12.8195	17.67115	37.6829	41.68105	1.1061
SMARCA1	1	27.24919	24.18834	20.93674	19.24036	10.60907	23.81058	34.56175	35.22947	37.55404	22.11267	20.44474	30.6537	1.499344
SMARCA2	1	60.9867	50.74469	36.37454	37.15699	26.84129	59.47454	62.76459	43.85567	51.31697	58.21732	42.42084	55.12582	1.299498
SMARCA4	1	24.2205	22.51948	21.88778	24.52413	15.53964	18.04505	22.41939	18.63071	20.27436	33.49142	21.73831	22.57218	1.03836
SMARCA5	1	48.6174	42.91265	41.99494	41.25173	14.04258	37.11943	50.88212	57.62199	68.56802	43.81675	37.76386	51.60166	1.36643
SMARCAD1	1	7.122462	8.161377	7.002111	6.100805	5.819189	5.265023	8.292371	12.9375	16.89858	9.120085	6.841189	10.50271	1.535217
SMARCAL1	1	8.626651	8.970536	9.317016	7.851834	12.05919	5.755909	6.704521	10.78146	8.385207	10.35129	9.365045	8.395678	0.896491
SMARCB1	1	20.25499	16.27872	23.24854	27.98371	22.01669	36.21702	31.53937	62.73021	34.90366	59.40983	21.95653	44.96002	2.047683
SMARCC1	1	11.27905	9.32202	9.65648	11.39642	6.423052	7.759008	8.215002	9.660045	8.769232	5.377309	9.615405	7.956119	0.827435
SMARCC2	1	35.80743	29.81428	41.42644	40.54755	34.42335	58.10031	30.52932	62.84606	43.8489	51.22371	36.40381	49.30966	1.354519
SMARCD1	1	8.577988	8.601336	18.34886	20.40518	15.16535	17.82033	14.26639	29.83038	21.8144	23.19346	14.21974	21.38499	1.503895
SMARCD2	1	4.835994	3.942621	16.01605	13.51437	12.51208	11.16341	7.362295	25.44185	18.4934	36.40692	10.16422	19.77357	1.945409
SMARCD3	1	46.55006	32.47683	46.80842	57.37644	96.35596	165.2328	54.22742	37.49907	40.84762	64.62631	55.91354	72.48664	1.296406
SMARCE1	1	20.8847	18.66019	11.04672	12.67735	19.90365	26.53769	26.10285	22.12889	14.38008	14.99882	16.63452	20.82967	1.252195
SMC1A	1	9.462532	11.01175	15.64555	10.93539	4.460427	13.28021	18.8206	25.77556	20.23159	14.67529	10.30313	18.55665	1.801069
SMC1B	1	0	0.090681	0	0	0.024211	0	0	0	0.092247	0.059326	0.022979	0.030315	1.319255
SMC2	1	3.474554	3.469496	1.701375	2.317659	0.466477	1.14843	1.678719	1.881029	1.493698	0.918059	2.285912	1.423987	0.62294
SMC3	1	24.65055	23.68785	15.67031	14.3888	8.605771	12.07735	10.9	28.54636	22.47905	13.9354	17.40065	17.58763	1.010746
SMC4	1	2.985947	3.503839	1.801677	2.207811	0.644299	4.864834	5.318843	4.472121	6.698756	1.110464	2.228714	4.493004	2.015962
SMC5	1	11.31505	13.28913	8.044675	6.057607	5.914515	6.770329	6.412161	14.74096	10.16368	5.943152	8.924196	8.806058	0.986762
SMC6	1	6.12491	6.257559	4.902364	4.713224	2.588112	8.672897	15.09569	15.37025	14.13519	7.239878	4.917234	12.10278	2.461299

SMCHD1	1	4.53472	5.829868	6.612898	5.288634	2.164718	11.34557	6.322227	11.15634	13.49853	9.692563	4.886168	10.40305	2.129081
SMCO1	1	0.040324	0.159383	0.198148	0.144911	0.437704	0.211028	0	0	0.156345	0.033516	0.196094	0.080178	0.408875
SMCO2	1	0	0.293217	0	0	0	0.301955	0.030652	0.03728	0	0	0.058643	0.073977	1.261478
SMCO3	1	0.051419	0	0	0	0	0.269094	0.054632	0.033223	0	0.128214	0.010284	0.097032	9.435414
SMCO4	1	0.706258	0.598186	1.96864	1.335824	1.714809	0.534959	0.098734	0.528371	0.144122	1.591128	1.264743	0.579463	0.458166
SMCP	1	0	0.908567	0	0	0	0	0	0	0	0	0.181713	0	0
SMCR8	1	2.417148	2.65117	3.784569	3.515234	1.637949	0.873399	1.578132	1.732477	1.43795	1.960503	2.801214	1.516492	0.54137
SMDT1	1	42.8694	42.09325	26.95983	28.22257	163.7141	379.8233	83.79748	55.80021	50.40753	120.5287	60.77183	138.0714	2.271965
SMG1	1	3.742494	5.319988	20.53025	9.299664	2.480561	5.117095	7.288432	30.41901	25.90824	23.6028	8.274591	18.46712	2.231786
SMG5	1	13.92126	13.34868	24.51428	28.42285	19.56226	27.6397	23.93099	21.21739	13.21335	24.83307	19.95387	22.1669	1.110908
SMG6	1	5.468419	4.50509	7.73346	8.51934	6.39801	4.832224	5.822757	10.32545	5.885668	5.066745	6.524864	6.386569	0.978805
SMG7	1	16.76854	16.02165	22.62165	20.96027	16.55945	19.63559	20.85163	30.63026	26.13794	28.33308	18.58631	25.1177	1.351409
SMG8	1	2.882523	2.381155	2.302454	2.744247	1.110562	1.676132	3.138228	3.644383	1.931689	2.026126	2.284188	2.483311	1.087175
SMG9	1	4.092366	3.418941	8.995229	8.170367	11.46357	5.112372	5.685174	7.050992	8.462421	25.45593	7.228095	10.35338	1.43238
SMIM1	1	1.96562	0.41621	0.335378	0.809395	1.541872	0.562556	0	0	0.079387	0.10211	1.013695	0.148811	0.1468
SMIM10	1	1.321166	1.262462	0.665856	0.94957	2.923325	1.914672	1.14456	0.998078	1.891371	1.858339	1.424476	1.561404	1.096125
SMIM10L1	1.07E-08	40.46468	37.52292	36.78456	49.22475	111.4706	3.567495	5.598898	1.920146	3.84085	5.984275	55.09351	4.182333	0.075913
SMIM11A	1	12.22555	11.21378	8.336238	10.83458	33.85166	2.895037	12.04894	12.00943	5.576618	5.057746	15.29236	7.517554	0.491589
SMIM12	1	20.97561	18.35243	15.84321	19.68782	61.64917	37.52598	27.62617	19.13813	19.22753	39.603	27.30165	28.62416	1.048441
SMIM13	1	7.586182	9.07768	7.744983	9.375615	28.11637	8.335251	9.836087	4.888114	6.153916	3.868037	12.38017	6.616281	0.534426
SMIM14	1	27.87084	27.05588	19.15215	19.54867	20.77744	34.26865	49.29196	38.24146	32.21771	24.5528	22.881	35.71452	1.560881
SMIM15_1	1	0.578377	0.850346	0.381329	1.634043	2.132185	0.913762	0.695673	0.535865	2.933584	1.850348	1.115256	1.385846	1.242626
SMIM15_2	1	5.459902	2.186016	3.388477	3.336569	6.355605	4.833129	6.264147	5.212788	6.302088	4.740737	4.145314	5.470578	1.319702
SMIM17	0.15607	0.397033	0.421198	1.234968	0.821497	0.32649	0.094446	0.063915	0.279848	0.093296	0.16	0.640237	0.138301	0.216015
SMIM18	1	2.48595	2.091417	0.20648	0.652874	8.149592	2.997782	4.975258	2.213465	0.747512	0.258858	2.717263	2.238575	0.823835
SMIM19	1	15.70101	13.51631	8.764123	7.866141	20.90389	1.872474	3.637525	4.786725	11.60587	8.548497	13.3503	6.090218	0.456186
SMIM2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SMIM20	1	3.429205	3.985198	4.746095	5.612434	31.97494	1.66941	0.762581	1.185113	1.752161	1.358836	9.949575	1.34562	0.135244
SMIM23	1	0	0.067331	0	0	0	0	0	0	0	0	0.013466	0	0
SMIM24	1	0.327141	0.067171	0.389707	0.338442	0.403524	0.07782	0.031598	0.576462	0.153746	0	0.305197	0.167925	0.550218
SMIM26	1	5.205623	4.425446	2.704863	3.175845	11.08052	7.393008	3.844861	3.250879	3.401414	3.506429	5.318459	4.279318	0.804616
SMIM27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SMIM28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SMIM3	1	3.331442	3.409865	4.418198	6.221174	7.811376	7.374121	2.823104	4.448027	2.705626	12.64865	5.038411	5.999906	1.190833
SMIM30	1	0.488303	1.039259	0	0	6.319677	0	0.079817	0	0.873813	1.529784	1.569448	0.496683	0.31647
SMIM32	1	2.079351	0.075344	0.461408	2.224442	0.422446	1.862148	0.401683	0.114951	0.402388	1.811468	1.052598	0.918528	0.872629
SMIM33	1.97E-10	0.02875	0.016234	0	0	0	1.429348	1.084385	2.424119	2.025038	2.580765	0.008997	1.908731	212.1584
SMIM35	1	0.128116	0.03751	0.051815	0.011368	0	0	0	0.024527	0.04906	0.094654	0.045762	0.033648	0.735289
SMIM37	1	3.377988	3.296469	4.570777	4.068463	10.66133	2.305842	0.546156	1.470852	1.803242	5.401716	5.195005	2.305562	0.443804
SMIM4	1	5.268682	4.573774	8.453825	8.887371	39.48825	11.62932	6.092889	2.13049	5.929182	6.732576	13.33438	6.502891	0.487679
SMIM5	1	1.441857	1.970552	1.444109	2.310257	10.31764	0.384495	0.624484	0.213615	0	0	3.496882	0.244519	0.069925
SMIM6	1	0.047277	0.080086	0	0	0.128295	0	0	0	0	0	0.051132	0	0
SMIM7	1	24.5735	27.20194	19.53754	19.08627	34.49194	37.51171	22.04999	23.83825	52.56667	53.48057	24.97824	37.88944	1.516898
SMIM8	1	7.721312	6.187262	4.452288	4.945177	13.62297	6.934733	5.198384	4.346697	5.006016	0.677777	7.385802	4.432721	0.600168
SMIM9	1	0	0	0.078276	0	0	0	0	0	0	0	0.015655	0	0
SMKR1	1	2.497458	3.407035	1.745392	2.321551	7.861643	0.941041	0	0.103273	0	0.23249	3.566616	0.255361	0.071597

SMLR1	1	0	0	0.025627	0.035141	0	0	0	0	0.090994	0	0.012154	0.018199	1.497377
SMN2	1	6.446306	5.454456	3.95038	4.656245	4.229688	9.667525	13.33007	9.996067	14.42428	12.12337	4.947415	11.90826	2.406967
SMNDC1	1	9.067667	8.570208	6.311524	5.260207	5.9276	7.581653	12.50528	12.68742	12.61166	12.02884	7.027441	11.48297	1.634019
SMO	1	3.381485	1.912272	6.047407	5.450203	4.958241	5.494778	3.01856	2.899783	3.911286	4.389122	4.349922	3.942706	0.906386
SMOC1	1	11.83352	7.887045	13.25331	21.53243	19.56266	12.7307	1.789765	22.18692	7.76182	11.27054	14.81379	11.14795	0.752538
SMOC2	1	5.120932	5.307584	9.709857	3.434337	3.679975	15.81398	31.53989	3.552741	10.69178	5.465832	5.450537	13.41285	2.46083
SMOX	1	4.278599	4.63052	10.68161	15.45949	11.84208	26.04207	12.55065	5.629059	8.895608	15.83553	9.37846	13.79058	1.470453
SMPD1	1	6.51695	6.292886	14.71817	13.47378	13.03208	6.895841	15.36626	8.287996	12.35173	10.54305	10.80677	10.68898	0.9891
SMPD2	1	1.348316	1.031094	1.159319	2.683422	4.379141	8.278513	4.579655	4.115725	13.72108	10.69495	2.120258	8.277985	3.904234
SMPD3	1	5.259656	4.647114	5.206285	8.744411	6.691527	4.967132	8.268468	2.982698	1.809441	2.290661	6.109799	4.06368	0.665109
SMPD4	1	4.411436	4.161676	11.2793	13.97797	7.533088	6.897792	5.361516	10.12196	3.921438	6.483691	8.272693	6.557279	0.792641
SMPD5	1	0.165059	0.032418	1.097122	0.515801	0.155797	0.262899	0.030499	0	0.0371	0.059649	0.393239	0.078029	0.198427
SMPDL3A	1	0.440551	0.389361	0.899397	0.401536	0.41583	0.751809	0.590181	0.841558	1.287277	1.432844	0.509335	0.980734	1.925518
SMPDL3B	1	0.014452	0.065285	0	0.017312	0.039219	0	0	0	0	0	0.027254	0	0
SMPX	1	0.070693	0.106446	2.315874	0.931515	0.255785	0.246641	0	5.907399	4.629151	1.096816	0.736063	2.376002	3.227988
SMS	1	27.56361	24.24097	14.44933	15.82548	34.04368	44.02704	50.01467	28.16139	39.01098	26.70486	23.22461	37.58379	1.618274
SMTN	1	1.013554	0.569213	2.716101	2.447949	1.442129	7.511979	2.211961	2.364605	2.69066	5.646574	1.637789	4.085156	2.494311
SMTNL1	1	0.046116	0	0	0.082864	0	0	0.073496	0.059593	0	0.114991	0.025796	0.049616	1.923397
SMTNL2	1	2.473338	2.467287	3.889205	4.858986	4.452178	4.573472	2.697936	0.745757	2.94084	9.360545	3.628199	4.06371	1.120035
SMU1	1	14.94128	15.87758	16.08783	13.94595	11.57714	36.31788	46.83851	41.31008	33.32733	30.84185	14.48595	37.72713	2.604394
SMUG1	1	2.851242	2.433051	3.775676	3.712332	4.477843	2.685257	2.47182	2.622053	2.908792	2.786643	3.450029	2.694913	0.781128
SMURF1	1	3.380207	4.487892	4.964978	5.151907	4.061955	4.358073	5.891066	4.413382	3.287812	3.101565	4.409388	4.21038	0.954867
SMURF2	1	5.121433	5.150955	3.663278	3.067467	4.579773	7.195205	9.19559	9.664984	5.881572	3.71967	4.316581	7.131404	1.652095
SMYD1	1	0.221547	0.160839	0.055297	0.083408	0.154596	0.016563	0.221938	0.130875	1.538	0.105224	0.135138	0.40252	2.978593
SMYD2	1	35.23324	30.29446	12.31752	14.64395	20.04421	118.8627	85.55571	10.65471	27.92334	16.33978	22.50668	51.86726	2.304528
SMYD3	1	7.204488	6.63681	4.486593	4.126598	6.0096	6.258952	6.469007	3.623351	5.354465	5.041635	5.692818	5.349482	0.93969
SMYD4	1	3.479569	3.047365	4.024866	3.451183	3.844867	3.733967	6.129256	7.157493	3.880817	3.080412	3.56957	4.796389	1.343688
SMYD5	1	5.110495	4.664369	4.46118	5.960493	10.55851	23.72973	20.30401	8.141254	8.703319	8.657045	6.15101	13.90707	2.260941
SNAI1	1	0.044009	0.02485	0	0.026359	0.059713	0	0.023379	0.398086	0	0.493815	0.030986	0.183056	5.907661
SNAI2	1	0.774275	0.213267	0.329948	0.316707	0.691834	0.642395	0.401291	0.292839	1.269155	0.831908	0.465206	0.687518	1.477878
SNAI3	1	0.139808	0.255625	0.058159	0.135575	0.234862	0	0.113175	0	0	0.011067	0.164806	0.024848	0.150774
SNAP23	1	1.250266	1.421042	2.589602	2.415623	1.904352	2.434297	1.771168	2.404322	4.447948	1.546478	1.916177	2.520843	1.315558
SNAP25	1	879.9022	1099.619	601.5098	470.0891	1760.434	1209.094	2151.271	1965.617	1678.946	2358.867	962.3109	1872.759	1.946106
SNAP29	0.857952	3.604643	4.018888	6.501833	7.792533	9.387221	2.162784	1.675048	1.918581	1.305616	2.429925	6.261024	1.898391	0.303208
SNAP47	1	8.967046	8.898468	9.071564	8.734198	7.087226	3.731808	6.26943	6.242919	3.870712	0.903856	8.5517	4.203745	0.491568
SNAP91	1	76.09563	81.92626	77.83032	74.67737	77.48367	106.7517	123.8984	115.1204	110.5186	125.1159	77.60265	116.281	1.498415
SNAPC1	1	6.851394	9.029907	3.820011	4.721578	5.118387	3.332461	6.046212	7.811929	4.958692	6.565598	5.908255	5.742978	0.972026
SNAPC2	1	8.458876	7.218246	8.999321	10.76817	30.99979	5.053108	3.959054	2.179119	6.186786	21.67999	13.28888	7.811611	0.587831
SNAPC3	1	5.436147	6.248211	5.17106	5.933089	5.747783	6.743499	10.26803	8.07581	9.700709	6.881272	5.707258	8.333865	1.460222
SNAPC4	1	3.361118	3.257891	8.559712	8.594971	2.605991	1.695652	1.194515	2.804738	2.522614	3.822206	5.275937	2.407945	0.456401
SNAPC5	1	5.652498	5.339779	2.73324	3.296192	8.38923	7.395344	4.649525	4.990901	3.38488	1.467317	5.082188	4.377593	0.86136
SNAPIN	1	23.83957	23.79587	13.48375	18.48946	62.42283	15.73835	10.07233	11.11796	19.76813	25.95604	28.4063	16.53056	0.581933
SNCA	1	111.4077	87.17531	51.68838	44.15721	107.5481	206.7725	137.3413	173.3539	171.5231	273.5246	80.39534	192.5031	2.394455
SNCAIP	1	7.428689	5.478813	2.866759	3.899336	6.184709	3.170532	3.719065	0.795299	3.206517	14.88269	5.171661	5.154822	0.996744
SNCB	1	167.9623	156.8222	129.8701	152.5717	313.6625	291.9938	142.5256	66.5917	63.0437	171.4276	184.1778	147.1165	0.798774
SNCG	1	9.188805	7.937244	16.23054	10.55864	29.85994	11.00447	6.304552	10.4223	1.340204	15.89735	14.75503	8.993773	0.609539

SND1	1	14.03448	14.99744	21.41435	18.69629	15.19012	19.59527	20.57242	24.22729	23.98015	37.04139	16.86653	25.0833	1.487164
SNED1	1	1.084992	0.153523	3.55157	1.465625	0.626449	1.798742	0.218019	2.227371	1.803372	2.733144	1.376432	1.75613	1.275856
SNF8	1	9.979958	6.958113	13.83836	15.83664	22.04567	48.80488	20.99678	14.99983	18.24622	27.30019	13.73175	26.06958	1.89849
SNHG12	1	3.529058	3.018634	2.912504	3.160114	2.528503	2.011445	0.395991	0.586973	0.903166	0.987426	3.029763	0.977	0.322467
SNHG3	0.004823	3.355153	3.171433	2.62497	2.401917	7.636268	0.119244	0.242089	0.61832	0.471169	0.151508	3.837948	0.320466	0.083499
SNHG4	1	0.744139	0.684532	0.957882	1.233791	0.414568	0	0	0.025473	0.305716	0.049153	0.806982	0.076068	0.094263
SNIP1	1	3.021743	3.51959	3.935947	3.441176	2.500454	3.19112	3.455275	6.198591	3.572589	7.07295	3.283782	4.698105	1.430699
SNN	1	16.7907	16.48182	19.78394	21.04517	14.15353	9.696963	31.79063	9.281954	15.96492	62.13596	17.65103	25.77409	1.460203
SNORC	1	0.027989	0.094826	0.122255	0.134113	0	0	0	0	0	0.325694	0.075837	0.065139	0.858934
SNPH	1	9.451396	11.28179	18.52602	18.92626	19.41644	4.929985	6.05715	6.066549	7.940944	14.59492	15.52038	7.91791	0.510162
SNRK	1	11.60214	12.43445	18.26918	12.06541	6.93887	10.21231	16.25536	28.85011	34.95106	28.75333	12.26201	23.80444	1.941316
SNRNP200	1	30.1966	28.13333	38.49697	35.08854	16.12745	36.60405	40.708	61.55217	26.16062	48.27432	29.60858	42.65983	1.440793
SNRNP25	1	51.54645	53.47951	37.65378	45.23691	128.7144	111.1007	27.94663	25.44337	49.58916	78.93144	63.3262	58.60227	0.925403
SNRNP27	1	7.943168	6.765709	6.223563	4.89193	21.55515	32.17503	21.02702	17.91909	29.3475	46.28928	9.475903	29.35159	3.097497
SNRNP35	1	5.590539	4.643956	4.228995	4.177751	12.62828	3.65033	9.357685	6.834081	1.184029	2.83819	6.253904	4.772863	0.763181
SNRNP40	1	15.1019	19.90165	18.59846	15.46071	39.86868	19.7583	12.4057	11.97087	10.60075	13.11364	21.78628	13.56985	0.622862
SNRNP48	1	6.785081	6.901957	6.268132	6.998481	8.35556	2.430428	3.266491	3.744781	4.46558	2.146188	7.061842	3.210693	0.454654
SNRNP70	1	16.06504	25.92117	29.32156	33.43798	40.56409	76.22219	61.54973	142.4445	52.36652	46.94846	29.06197	75.90628	2.611877
SNRPA	1	5.543578	6.243876	10.31807	10.49533	8.097264	17.29965	8.018982	12.58816	9.603174	15.48847	8.139623	12.59969	1.547945
SNRPA1	1	8.449746	7.548146	7.352731	9.034585	25.66171	55.18899	29.49296	17.70063	19.28156	22.82523	11.60938	28.89788	2.489183
SNRPB	1	15.63426	11.85119	17.30617	16.65604	43.49919	57.76487	32.94195	36.70163	45.6495	93.6055	20.98937	53.33269	2.540938
SNRPB2	1	16.45517	14.04963	8.697351	11.18196	26.23905	35.17973	22.50984	20.99613	21.49329	21.18411	15.32463	24.27262	1.583896
SNRPC	1	8.467587	9.891606	10.57241	11.73361	32.73192	41.77176	23.91065	29.20656	16.82342	28.79784	14.67943	28.10205	1.914383
SNRPD1	1	5.329999	4.996842	4.036156	3.882198	18.02532	2.551076	1.434245	1.342897	1.800021	2.39538	7.254103	1.904724	0.262572
SNRPD2	1	67.78062	67.09652	32.30451	41.95023	260.4778	185.1186	89.0438	74.90563	38.69014	116.6645	93.92194	100.8845	1.074132
SNRPD3	1	37.11174	31.06866	30.40216	35.68693	113.3282	81.48673	66.7478	67.53466	49.63085	88.67303	49.51954	70.81462	1.430034
SNRPE	1	19.52429	14.44888	11.36505	9.13961	52.55779	68.80055	34.0053	39.63946	40.25204	40.39099	21.40712	44.61767	2.084244
SNRPF	1	17.50858	12.55581	7.60972	6.11364	24.32516	18.53749	9.093837	11.54602	7.623723	14.63667	13.62258	12.28755	0.901998
SNRPG	1	3.669827	2.762905	3.509731	4.108739	27.53289	61.50752	26.91143	27.7095	12.64779	14.67304	8.316818	28.68985	3.449619
SNRPN	1	106.8691	115.8183	109.3153	134.7791	249.2665	340.9664	228.7657	144.3926	76.42811	207.8482	143.2097	199.6802	1.394321
SNTA1	1	9.674153	9.601463	9.893579	9.560602	29.96316	19.13155	13.34234	5.769761	6.299572	8.75214	13.73859	10.65907	0.775849
SNTB1	1	4.64409	4.641836	3.943705	7.54697	3.627797	1.514108	0.529992	0.67038	4.899646	0.447778	4.88088	1.612381	0.330346
SNTB2	1	0.933553	1.922486	2.422624	1.3288	0.268238	1.724325	1.563663	0.624467	0.397446	1.095442	1.37514	1.081069	0.786152
SNTG1	1	12.14253	13.01796	3.834383	5.20413	6.329345	9.791763	8.891232	6.458501	0.761883	1.416674	8.10567	5.464011	0.674097
SNTG2	1	0.187061	0.359123	0.040853	0.291302	0.812193	0.978949	0.556492	0.120862	0.725277	0.186574	0.338106	0.513631	1.519139
SNTN	1	0.074824	0	0.081707	0.089631	0	0	0	0	5.99562	0.062191	0.049232	1.211562	24.60901
SNU13	1	62.56314	56.30366	63.17616	66.72987	137.1308	239.4692	115.8359	91.62598	90.02799	132.95	77.18072	133.9818	1.735949
SNUPN	1	5.543971	6.308424	5.205967	6.821358	7.64477	11.75028	12.26672	7.762987	8.713237	8.885718	6.304898	9.875789	1.566368
SNURF	0.156012	10.89378	19.63465	23.79159	21.97552	24.71395	123.5993	121.6698	75.45369	59.69593	105.0328	20.2019	97.09029	4.805998
SNW1	1	17.13211	13.70007	10.0257	11.5796	7.642499	20.19166	17.45549	17.488	14.71066	14.80311	12.016	16.92978	1.408937
SNX1	1	10.00584	10.78603	12.37516	17.05777	11.55956	18.12123	18.53194	17.28614	13.13768	10.80291	12.35687	15.57598	1.260511
SNX10	1	45.75375	49.74057	32.46074	30.01666	36.12224	40.12028	52.70146	10.98213	22.25864	19.14194	38.81879	29.04089	0.748114
SNX11	1	5.599961	5.607406	4.832105	6.461611	8.750178	4.128931	4.810879	5.09761	3.945681	4.333748	6.250252	4.46337	0.71411
SNX12	1	11.26198	9.534557	9.06451	9.06349	16.47507	25.94703	21.40353	19.30055	11.26421	13.30316	11.07992	18.2437	1.646554
SNX13	1	13.11902	16.18265	12.56619	10.98748	5.04095	11.75587	21.32569	17.33997	20.541	10.02851	11.57926	16.19821	1.398899
SNX14	1	31.10475	35.29012	18.51185	20.70241	38.2788	63.04144	93.61144	61.71189	60.15056	43.06949	28.77759	64.31696	2.234967

SNX15	1	4.409741	4.252847	3.820444	5.442474	5.834947	20.28033	8.725128	7.001294	5.966096	12.84345	4.752091	10.96326	2.307039
SNX16	1	5.747382	6.189976	3.405949	3.357687	3.295354	2.285226	4.259491	3.095433	7.481719	5.178	4.39927	4.459974	1.013799
SNX17	1	23.72733	23.46802	25.61147	29.74345	41.30162	56.21477	37.21331	34.14058	29.85844	47.30857	28.77038	40.94713	1.423239
SNX18	1	4.690971	5.263952	6.941289	8.123532	5.407839	4.425116	5.841799	5.172274	11.57616	4.301591	6.085516	6.263388	1.029229
SNX19	1	17.96351	14.5161	25.53763	27.31712	19.37526	9.121581	11.65846	11.55578	12.54148	19.48153	20.94192	12.87177	0.614641
SNX2	1	17.81846	15.88373	13.16678	13.62861	9.32744	24.67955	35.78903	22.45687	22.85106	14.70727	13.96501	24.09676	1.72551
SNX20	1	0.037109	0.033526	0.121567	0.088905	0.080561	0.155363	0.165595	0.057544	0.019184	0.012338	0.072334	0.082005	1.133699
SNX21	1	3.629018	3.896584	4.586882	5.048888	5.544324	2.056203	2.155571	2.030884	1.772665	5.438874	4.541139	2.690839	0.592547
SNX22	1	3.546193	3.488155	6.022634	8.767293	9.942398	0.524377	0.860933	0.574216	0.923383	4.547951	6.353335	1.486172	0.23392
SNX24	1	11.3417	9.253271	5.959408	6.071769	11.06589	15.63649	9.539798	9.199391	11.15121	4.878139	8.738407	10.081	1.153643
SNX25	1	9.635453	10.11245	5.182006	6.456987	6.186924	7.369463	12.91187	10.31818	15.03954	9.03762	7.514765	10.93534	1.45518
SNX27	1	17.9908	16.93888	17.95304	18.654	24.76244	23.26177	21.83814	22.55448	21.01442	14.73781	19.25983	20.68132	1.073806
SNX29	0.007335	4.182451	5.474636	17.93291	39.18237	3.704404	1.500832	2.02321	2.709739	1.577451	2.471368	14.09535	2.05652	0.145901
SNX3	1	103.6357	114.203	81.17824	107.3626	217.4381	202.1894	201.2679	114.2801	127.3795	99.97661	124.7635	149.0187	1.194409
SNX30	1	11.38187	12.24067	12.882	9.991453	1.624473	7.978207	10.10855	15.7393	9.077721	12.18021	9.624094	11.0168	1.14471
SNX31	1	0.023225	0	0	0.009273	0	0	0.115152	0	0	0.038607	0.0065	0.030752	4.731336
SNX33	1	1.902577	1.084932	2.098147	2.121128	0.306711	1.823772	0.820584	2.653287	1.363355	4.055167	1.502699	2.143233	1.426256
SNX4	1	30.97673	30.32508	15.59723	13.3546	24.60797	18.2083	20.56124	19.55533	29.3846	22.0635	22.97232	21.9546	0.955698
SNX5	1	23.2053	23.69351	21.80036	24.97282	44.11401	21.06139	23.3891	20.3929	15.63611	17.74309	27.5572	19.64452	0.712863
SNX6	1	9.758341	8.572918	6.486636	8.050945	10.32452	14.8862	14.77737	14.2043	19.80773	10.62796	8.638672	14.86071	1.720254
SNX7	1	2.92124	2.760843	1.470538	0.943083	1.574213	7.535479	6.559686	1.151207	0.856837	0.482164	1.933983	3.317075	1.715151
SNX8	1	2.368558	2.271079	3.782028	3.506452	1.879737	6.197721	2.065457	3.262824	2.77236	4.234492	2.761571	3.706571	1.342196
SNX9	1	8.776524	8.997344	10.52173	12.94711	9.159082	8.039265	6.294557	6.517285	10.9586	6.68152	10.08036	7.698245	0.763688
SOAT1	1	7.387002	6.355485	6.881744	7.254085	6.263609	6.130182	4.785337	6.099381	7.329261	3.362716	6.828385	5.541375	0.811521
SOAT2	0.316666	0	0	0.018576	0	0.046164	0.222569	0.16267	0.175863	0.087944	0.29693	0.012948	0.189195	14.61182
SOBP	1	16.35774	19.57305	17.66708	20.44422	4.785302	27.8145	19.35152	14.93113	17.62671	30.21563	15.76548	21.9879	1.394687
SOCS1	1	0.030073	0.101886	0.755312	0.558385	1.020119	1.10169	0.223666	0.233169	0.077734	0.57491	0.493155	0.442234	0.896744
SOCS2	1	4.765053	6.581148	2.129185	2.014212	10.93915	7.280482	7.995651	6.015952	7.106935	21.4052	5.285749	9.960844	1.884472
SOCS3	1	0.750386	0.047967	0.60296	0.788642	0.153683	0.40752	0.255727	0.219547	1.244279	1.412141	0.468727	0.707843	1.510137
SOCS4	1	4.01721	4.967354	5.830444	3.472087	1.586911	3.814368	5.654894	7.775736	9.507494	4.226546	3.974801	6.195808	1.558772
SOCS5	1	8.142588	9.543815	10.04366	6.390667	6.886666	10.01576	17.13128	23.76175	21.20114	17.03761	8.201479	17.82951	2.173938
SOCS6	1	2.667633	3.236591	2.211265	2.096532	1.861638	1.762647	2.700372	4.651414	3.642624	2.030044	2.414732	2.95742	1.224741
SOCS7	1	13.94109	14.05557	13.52026	13.87446	10.80901	6.81865	8.805653	9.661733	9.104934	14.47923	13.24008	9.77404	0.738216
SOD1	1	117.9667	95.87521	109.6491	138.3189	461.5407	96.22214	98.21105	63.66026	59.13788	105.0627	184.6701	84.45881	0.45735
SOD2	1	71.28875	58.96079	57.44115	57.76956	56.00281	33.75496	53.49917	37.71685	96.4599	63.22856	60.29261	56.93189	0.94426
SOD3	1	0.901145	0.361415	1.269127	1.89665	1.142716	0	0.178962	0.195894	1.349687	4.452013	1.114211	1.235311	1.108687
SOGA1	1	9.196018	9.593412	44.3423	28.14483	6.970447	10.18217	6.854454	35.05205	25.90495	33.35034	19.6494	22.26879	1.133306
SOGA3	1	11.34247	13.19481	13.93227	14.53667	1.258398	3.427074	7.217339	6.664476	6.738336	7.797209	10.85292	6.368887	0.586836
SOHLH1	1	0.214884	0.24267	0.312866	0.29173	1.360625	0	0	0	0.074058	0.166698	0.484555	0.048151	0.099372
SOHLH2	1	0.311471	1.150306	2.132648	4.810089	2.375784	1.762196	2.253905	2.806552	3.002795	0.349844	2.15606	2.035058	0.943879
SON	1	27.13717	27.62563	29.07391	26.15256	10.92486	26.13294	26.30555	41.56474	42.81251	40.92257	24.18283	35.54766	1.469955
SORBS1	1	27.26544	21.34691	10.80637	7.646805	15.23937	18.54183	26.0618	16.22809	6.487682	2.827343	16.46098	14.02935	0.852279
SORBS2	1	12.23801	12.99367	10.048	7.94844	0.773783	5.485008	12.08552	1.274698	1.434244	2.011307	8.800381	4.458156	0.506587
SORBS3	1	6.104077	4.457071	14.34612	27.23455	24.01636	26.73539	17.46457	8.578504	6.587488	8.666166	15.23164	13.60642	0.8933
SORCS1	1	3.297641	4.624279	2.708159	2.628041	2.329623	3.333861	20.53695	3.319222	14.70532	1.353456	3.117549	8.649762	2.77454
SORCS2	1	4.85468	4.911258	5.037386	9.230535	3.96007	2.495095	8.303417	3.147068	2.881069	2.688248	5.598786	3.902979	0.697112

SORCS3	6.89E-05	7.458528	6.291169	3.467738	4.329099	1.846638	1.247444	6.968656	5.623864	2.007395	1.936476	4.678634	3.556767	0.760215
SORD	1	5.795556	4.733772	6.487844	6.353006	6.330458	8.059398	3.620997	2.873193	4.569512	5.968324	5.940127	5.018285	0.844811
SORL1	1	29.40907	27.9479	31.75524	23.8733	17.85146	21.73973	44.73693	57.44294	19.29202	27.62195	26.1674	34.16671	1.305698
SORT1	1	84.04033	83.68517	74.27119	106.3012	74.78002	38.37503	82.97758	26.84872	23.29791	17.02638	84.61559	37.70512	0.445605
SOS1	1	5.964316	7.329848	6.512916	5.541359	3.890558	7.106277	7.906212	8.238942	10.32257	5.518957	5.847799	7.818591	1.337014
SOS2	1	7.183422	8.300009	7.793947	6.92296	3.733604	14.08588	13.88903	27.71517	29.56593	13.79916	6.786788	19.81104	2.919059
SOST	1	0.05869	0.066279	1.602215	1.863074	0.238899	0.307145	0	0	0	0	0.765832	0.061429	0.080212
SOSTDC1	1	0.993583	0.475656	0.589659	0.711537	0.996443	3.165063	2.271957	0.055823	1.45161	0.12567	0.753376	1.414025	1.876919
SOWAHA	1	3.691585	2.320011	2.586198	6.566025	5.830499	5.586861	1.953959	0.881036	2.550738	5.87567	4.198863	3.369653	0.802515
SOWAHB	1	1.494624	1.79338	1.30568	1.516245	1.280149	6.453031	4.376925	6.458068	1.690208	10.41964	1.478016	5.879574	3.978019
SOWAHC	1	0.924059	1.50421	2.672631	3.410525	1.366751	1.285218	1.89282	1.635149	2.34549	0.539709	1.975635	1.539677	0.779333
SOWAHD	1	0.05503	0.04439	0.051507	0.094171	0.128	0	0	0	0.081281	0.182956	0.074619	0.052847	0.708226
SOX1	1	0.559635	0.638795	1.195937	1.153348	0.979785	0.818792	0.52427	0.279938	1.244349	0.970314	0.9055	0.767532	0.847634
SOX10	1	6.270766	9.288407	31.15019	45.79284	14.47621	20.58459	7.557099	2.419598	5.132244	3.436403	21.39568	7.825988	0.365774
SOX11	1	3.77276	4.693682	2.123271	2.997184	3.459554	2.91822	2.885212	0.551813	1.200234	0.551348	3.40929	1.621365	0.475573
SOX12	1	2.968615	4.097948	4.908338	5.978613	6.761526	6.210301	3.162187	10.12772	10.07988	12.71131	4.943008	8.45828	1.71116
SOX13	1	1.019669	0.690316	3.049783	4.393451	0.564849	1.434034	0.727847	0.783093	1.511929	1.020522	1.943614	1.095485	0.563633
SOX14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SOX15	1	0.422773	0.47744	0.852295	1.090788	1.676775	0.25529	0.034553	0.714414	1.933401	4.97359	0.904014	1.582249	1.750248
SOX17	1	0.548347	0.103209	1.164302	0.985292	0	0.318853	0.064734	0	0.393716	1.417944	0.56023	0.439049	0.783695
SOX18	1	0.5162	0.297675	3.04627	4.381092	1.311384	0.517297	0.210044	0.397388	0.397446	0.328633	1.910524	0.370162	0.193749
SOX2	1	0.012698	0.028681	0	0	0	0	0	0	0.065646	0	0.008276	0.013129	1.586454
SOX21	1	3.251854	3.111823	3.438825	4.332751	1.610077	2.80648	3.721715	2.993086	3.303196	3.27185	3.149066	3.219265	1.022292
SOX30	1	0.013358	0.033941	0.072932	0.032002	0	0.454383	0.354805	0.578246	0.517907	0.08882	0.030446	0.398832	13.09945
SOX4	1	4.518169	4.945476	5.305741	5.852572	6.081758	8.139718	3.333639	5.12025	7.391843	3.546721	5.340743	5.506434	1.031024
SOX5	1	3.421729	2.983929	1.89729	2.254069	1.574752	3.288496	5.468757	1.109291	3.514744	0.422394	2.426354	2.760736	1.137813
SOX6	1	2.929532	3.591791	2.700837	2.532642	2.098067	4.410476	2.612287	1.647768	2.604609	0.746163	2.770574	2.404261	0.867784
SOX7	1	0.316265	0.17858	0.897924	0.67562	0.343296	6.151527	3.584254	1.048957	0.70849	1.375682	0.482337	2.573782	5.336066
SOX8	1	7.111923	8.544777	24.04936	32.65007	18.18279	19.50945	9.461611	4.491919	9.016894	6.911707	18.10778	9.878317	0.545529
SOX9	1	5.87684	4.415086	15.34713	11.91279	2.329964	4.449722	5.11919	10.96578	10.21323	12.08341	7.976362	8.566266	1.073957
SP1	1	2.78393	2.539773	5.652767	4.828522	2.455629	5.160511	4.589483	5.81577	5.654947	2.751916	3.652124	4.794525	1.312805
SP100	1	0.533013	0.354079	0.273901	0.888883	0.283612	2.187791	0.732876	0.486191	0.810437	0.138988	0.466698	0.871257	1.866854
SP110	1	0.718503	0.323061	0.363237	0.183295	0.036107	2.994204	1.880206	1.513055	1.58206	2.256074	0.324841	2.04512	6.295761
SP140	1	3.110488	1.657675	1.497935	1.842084	1.979804	5.53276	4.808691	1.953267	6.120374	16.80467	2.017597	7.043953	3.491258
SP140L	1	0.822586	0.413989	0.410069	0.187435	0.194107	0.421128	0.123497	0.150201	0.647115	0.104042	0.405637	0.289197	0.712944
SP2	1	0.825063	0.821319	2.45593	2.284159	2.222365	3.006486	2.155808	3.885577	3.822953	5.983935	1.721767	3.770952	2.190163
SP3	1	9.464984	7.908411	7.963325	7.347789	4.415668	9.273573	15.17045	21.74252	30.76326	13.09275	7.420036	18.00851	2.427012
SP4	1	2.882814	2.748745	3.090741	2.464404	0.960097	3.103062	5.742971	13.49551	10.87249	6.061043	2.42936	7.855016	3.233368
SP5	1	0.030025	0.022605	0.131149	0.035967	0	0	0.021267	0.349195	0.569141	0.557353	0.043949	0.299391	6.812203
SP6	0.01986	0	0	0	0	0	0.125485	0.229286	0.464776	0.309896	0.079719	0	0.241832	#DIV/0!
SP7	1	0.473565	0.117395	0.113515	0.221378	0.094032	0.362681	0.269983	0.134331	0	0.115203	0.203977	0.17644	0.864998
SP8	1	0.359363	0.362126	0.19319	0.72188	0.330066	0.144667	0.234963	0	0	0	0.393325	0.075926	0.193036
SP9	1	0.324704	0.498699	0.538947	0.964623	0	0	0	0	0	0.129544	0.465395	0.025909	0.055671
SPA17	1	8.857993	8.664132	4.651379	4.029836	31.91889	22.79842	4.628554	5.879617	9.383733	4.868081	11.62445	9.51168	0.818248
SPAAR	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SPACA1	1	0	0.352185	0	0	0	0.725362	0	0	0.089567	0	0.070437	0.162986	2.313922

SPACA3	1	0	0.049267	0	0.052259	0	0	0	0	0	0	0.020305	0	0
SPACA4	1	0	0.048701	0	0	0	0	0	0	0	0	0.00974	0	0
SPACA5	1	0	0	0	0	0	0	0	0	0	0.05093	0	0.010186	#DIV/0!
SPACA7	1	0	0.086805	0	0	0	0	0	0	0	0	0.017361	0	0
SPACA9	0.005562	0.183292	0.384415	1.129425	7.990573	2.025105	0.274065	0.097372	0.067673	0.033841	1.273179	2.342562	0.349226	0.149079
SPADH1	1	0	0.111923	0	0	0	0	0	0	0	0.027458	0.022385	0.005492	0.245333
SPADH2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SPAG1	1	2.056443	1.414324	1.798605	2.095642	2.03649	5.457528	4.949722	15.45311	5.063612	2.981057	1.880301	6.781005	3.606341
SPAG11B	1	0	0.046107	0.13375	0.073361	0.110794	0	0	0	0	0	0.072803	0	0
SPAG16	1	0.077208	0.069027	0.147542	0.08478	0.104759	0.286206	0.170899	0.39908	0.033262	0.160432	0.096663	0.209976	2.172243
SPAG17	1	0.037599	0.194108	0.129039	0.183377	0	0	0	0.027764	0.055536	0.04018	0.108825	0.024696	0.226933
SPAG4	0.601738	0.015592	0.132063	0.119185	0.074712	0.126937	0.407997	0.397593	0.362676	4.554259	4.833995	0.093698	2.111304	22.53312
SPAG5	1	0.4784	0.818744	1.023263	0.927549	1.432056	0.180674	0.524008	2.064909	1.504289	4.140269	0.936002	1.68283	1.79789
SPAG6	1	0.27853	0.415649	0.434499	0.738795	0.242948	0.104117	1.141449	0.051417	0.2057	0	0.422084	0.300537	0.71203
SPAG7	1	30.04941	32.87989	29.77355	34.32867	66.74622	66.65521	41.36701	59.6255	105.7644	73.24835	38.75555	69.3321	1.788959
SPAG8	1	1.788655	1.485249	4.59571	4.621335	6.852455	0.871822	0.931569	1.676854	9.881278	0.932813	3.868681	2.858867	0.738977
SPAG9	1	47.98959	54.93359	58.12791	61.00246	35.24489	49.70149	61.68345	51.50094	46.41818	35.05489	51.45969	48.87179	0.94971
SPAM1	1	0	0.069363	0.195114	0.197317	0	0	0	0	0.028866	0.023205	0.092359	0.010414	0.112758
SPARC	1	242.4545	175.8907	768.9096	531.8932	137.2193	488.9477	665.5701	351.9695	526.6334	480.7543	371.2735	502.775	1.354191
SPARCL1	1	1333.184	1181.788	734.2179	972.3279	762.799	650.8282	931.8281	247.1319	516.1921	503.2626	996.8634	569.8486	0.571642
SPART	1	19.91056	17.52508	25.83085	33.63834	16.01497	20.79383	34.24861	27.7109	33.88219	22.2434	22.58396	27.77579	1.22989
SPAST	1	10.53482	10.90754	8.888295	9.3384	11.19966	15.23473	18.2185	27.37478	23.34656	15.53177	10.17374	19.94127	1.960072
SPATA1	1	0.027258	0	0	0	0	0.927231	1.650784	1.162379	2.959213	0.181249	0.005452	1.376171	252.4327
SPATA13	1	1.680162	2.786052	6.711905	8.086692	3.725967	1.302643	0.5076	0.731496	1.805656	2.796327	4.598156	1.428744	0.310721
SPATA16	1	0.034287	0.193604	0.037441	0.041073	0	0	0	0	0	0	0.061281	0	0
SPATA17	1	0.382373	0.338256	0.041754	0.274825	0.138351	0.433568	0.52814	0.708225	0.790692	0.46613	0.235112	0.585351	2.489669
SPATA18	1	0.054108	0.146651	0.531764	0.440746	0	0.453064	0.321935	0.111871	0	0.179891	0.234654	0.213352	0.909221
SPATA19	1	0	0	0.172581	0	0.14296	0	0	0	0.136172	0	0.063108	0.027234	0.43155
SPATA2	1	9.913842	11.7598	16.13025	21.44434	11.6505	6.65985	8.875808	6.675096	8.630254	14.7286	14.17975	9.113922	0.642742
SPATA20	1	3.660215	1.478463	1.841261	4.934671	1.618236	2.582711	5.52018	12.3471	14.84703	36.14238	2.706569	14.28788	5.278964
SPATA21	1	0.054415	0.061451	0.594199	0.372475	0.105474	0	0	0	0	0	0.237603	0	0
SPATA22	1	0.053469	0.060383	0.058387	0.048037	0	0	0.056809	0.034547	0	0	0.044055	0.018271	0.414735
SPATA24	1	11.69803	11.85495	5.738843	6.24753	19.72727	5.305237	2.522621	2.240751	2.55138	2.439069	11.05333	3.011812	0.27248
SPATA25	1	0.03557	0.120508	0.893356	0.809569	0.096525	0	0.037792	0.045964	0	0.147822	0.391106	0.046316	0.118423
SPATA2L	1	3.155361	3.624384	6.607985	9.928414	10.87921	0.735169	2.594736	0.977465	0.893812	8.442717	6.83907	2.72878	0.398999
SPATA3	1	0	0.124495	0	0.084035	0	0.262237	0.085183	0	0.259046	0.233234	0.041706	0.16794	4.02676
SPATA32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SPATA33	1	1.975231	2.742589	0.353592	1.086086	4.217804	0.508378	2.477075	1.087923	0.334794	0.807416	2.075061	1.043117	0.502692
SPATA4	1	0	0.237241	0	0	0	0.513054	0	0	0.072401	0.279374	0.047448	0.172966	3.645362
SPATA45	1	0	0.068307	0	0.036228	0	0	0	0	0	0	0.020907	0	0
SPATA46	1	0	0.136541	1.056224	0.313806	0	0	1.113325	0.156239	0.416697	0.066996	0.301314	0.350651	1.163739
SPATA48	1	0.170555	0.129899	0.060637	0.042762	0.161452	0	0.025285	0	0	0	0.113061	0.005057	0.044728
SPATA5	1	2.447961	2.617116	1.727383	1.241176	1.362934	2.524943	3.016872	2.064582	2.923546	1.025549	1.879314	2.311098	1.229757
SPATA5L1	1	2.318716	2.724587	2.965823	3.175609	4.46925	4.498498	7.705396	5.339193	5.900106	5.775717	3.130797	5.843782	1.866548
SPATA6	1	0.166387	1.009969	0.613207	0.672683	0.395079	1.904777	2.740113	1.531934	6.881266	8.142116	0.571465	4.240041	7.419602
SPATA6L	1	1.058504	0.717225	0.264198	0.398506	0.410347	0.896871	0.921128	1.328741	1.928257	2.88237	0.569756	1.591473	2.793254

SPATA7	1	4.360803	5.619573	3.943914	4.021989	11.19854	7.280482	6.21082	7.67483	14.97155	7.504829	5.828963	8.728503	1.497437
SPATA9	1	0.473468	0.835453	0.129254	0.035448	0.61565	0.774316	0.461127	0.076478	0	0.049191	0.417855	0.272222	0.651477
SPATC1	1	0	0.014497	0.196252	0.061511	0	0.302317	0.122753	0	0	0.03201	0.054452	0.091416	1.678835
SPATC1L	1	0.045242	0.063864	0.247014	0.121938	0.030693	0	0	0	0	0.338429	0.10175	0.067686	0.665216
SPATS1	1	0.034397	0.038845	0.713661	0.618063	0.093343	4.590304	2.850602	3.42256	2.756228	0.857695	0.299662	2.895478	9.662486
SPATS2	1	8.976321	7.217249	5.964289	6.663443	8.261333	10.4261	16.22023	9.791509	8.158367	9.349282	7.416527	10.7891	1.454737
SPATS2L	1	21.20302	23.25334	13.10256	20.28474	23.28679	22.78865	27.68025	7.635673	9.63198	6.955496	20.22609	14.93841	0.738571
SPC24	1	3.620936	0.098534	0.6193	0.470331	0.710315	1.598155	0.648917	0.338245	0.563823	0.725205	1.103883	0.774869	0.701948
SPC25	1	0.241881	0.330432	0.408974	0.308441	0.179977	0.530837	0.356473	0.604962	0.443703	0.252926	0.293941	0.43778	1.489347
SPCS1	1	29.90753	28.71486	21.33739	26.55272	65.15026	31.58976	54.58647	40.78617	40.72776	46.71634	34.33255	42.8813	1.248999
SPCS2	1	56.89661	61.263	42.87574	49.26791	98.08038	86.6194	110.2219	88.76539	80.18686	83.03645	61.67673	89.766	1.455427
SPCS3	1	23.40433	22.29979	12.73817	12.00422	23.2282	7.784619	15.3238	11.56686	13.82829	9.045005	18.73494	11.50972	0.614345
SPDEF	1	0.019145	0.02162	0.125433	0.022933	0.155857	0.150285	0.020341	0	0	0.015912	0.068998	0.037308	0.540709
SPDL1	1	0.751235	0.772723	0.564306	0.395497	0.129847	0.801317	1.138788	2.955569	3.01784	1.598787	0.522722	1.90246	3.639527
SPDYA	1	0.148531	0.158418	0.540642	0.434925	0.246317	0	0.140276	0.085304	0.597217	0.123454	0.305766	0.18925	0.618937
SPDYC	0.19053	0.014271	0.104757	0	0	0.096818	0.89623	0.166791	0.147532	1.807533	13.75961	0.043169	3.35554	77.72962
SPECC1	0.057532	8.349816	8.357113	13.43277	16.40102	8.612086	2.999048	3.503747	2.946079	4.139014	5.406255	11.03056	3.798829	0.344391
SPECC1L	1	4.346298	4.930499	8.019595	9.95127	1.845712	1.892895	2.431097	4.054157	3.516146	3.172986	5.818675	3.013456	0.517894
SPEF1	1	1.36829	1.329219	1.976128	2.511472	3.693126	2.001919	0.87539	3.764413	1.635286	1.027218	2.175647	1.860845	0.855307
SPEF2	1	0.671987	0.429907	0.300025	0.348952	0.08983	0.051971	0.221577	0.175382	0.162573	0.181592	0.36814	0.158619	0.430866
SPEG	1	4.006362	3.985637	8.83178	7.595916	2.257981	3.656624	4.015189	2.732969	5.495864	9.048487	5.335535	4.989826	0.935206
SPEM1	1	0.968087	1.015175	2.355893	2.103964	2.364362	0.144752	0.088163	0.428908	0	5.747439	1.761496	1.281852	0.727707
SPEM2	1	0.110152	0.202142	0.210496	0.247407	0.205505	0	0.146292	0.658325	0	0.514994	0.19514	0.263922	1.352474
SPEN	1	7.939163	9.166288	15.95131	12.61496	5.317523	6.217014	6.275135	16.12266	9.853073	8.723709	10.19785	9.438319	0.925521
SPERT	1	0	0.38293	0	0	0	0	0	0	0	0	0.076586	0	0
SPESP1	1	0.125765	0.694354	0.18311	0.43522	0.834251	0	0	0	3.828712	0.789794	0.45454	0.923701	2.032168
SPG11	1	2.833097	3.167142	4.922838	4.544027	1.053961	7.806058	10.35432	10.55498	10.8891	11.22133	3.304213	10.16516	3.076423
SPG21	1	9.096989	7.496411	7.80113	8.788086	15.45979	20.33514	12.40688	10.67002	12.13629	15.18952	9.728481	14.14757	1.454242
SPG7	1	33.98857	32.94895	41.67751	49.15449	27.11494	15.90982	13.19565	11.87853	18.69557	44.75239	36.97689	20.88639	0.56485
SPHAR	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SPHK1	1	0.326931	0.304345	1.05171	1.100795	1.162931	1.040436	0.525728	0.959116	0.365431	0.925366	0.789343	0.763215	0.9669
SPHK2	1	4.540288	4.194221	10.18458	13.22577	9.231691	5.819444	3.661152	2.805737	2.431235	4.011193	8.275311	3.745752	0.452642
SPHKAP	1	13.864	9.96142	13.8072	8.564499	4.556968	2.263824	4.196379	38.80966	34.91919	11.61709	10.15082	18.36123	1.808843
SPI1	1	1.096368	0.916019	2.569628	3.491544	0.459581	3.965046	0.852339	0.645025	1.843196	0.592693	1.706628	1.57966	0.925603
SPIB	1	0.058667	0.04969	0.208207	0.079062	0.179104	0.498916	0.529827	2.786061	0.530756	0.585148	0.114946	0.986142	8.57917
SPIC	0.074207	0	0.033114	0	0	0	2.148339	1.900401	2.235557	0	0.658035	0.006623	1.388466	209.651
SPICE1	1	4.84626	4.196386	3.816498	3.937646	3.895986	3.841707	12.38252	55.2035	13.53421	7.915713	4.138555	18.57553	4.48841
SPIDR	0.140116	0.886888	0.856262	0.973482	0.759642	0.573623	1.755546	2.714593	2.695902	1.44911	2.230552	0.809979	2.169141	2.67802
SPIN1	1	48.03491	47.61054	24.16439	25.92949	55.46272	151.2217	87.97551	48.20448	58.23269	71.82697	40.24041	83.49228	2.074837
SPIN2	1	5.740571	5.170281	3.436117	3.15814	6.500459	2.076998	1.746935	2.234585	5.642232	3.675724	4.801113	3.075295	0.640538
SPIN2B_1	1	4.091846	6.672959	1.696407	4.286821	8.469095	11.83213	11.25925	12.43924	5.736506	5.672188	5.043426	9.38786	1.861406
SPIN2B_2	1	0	0.038562	0	0.040905	0	0.62546	0.253963	0.308879	0.617848	0.255437	0.015893	0.412317	25.94266
SPIN3	2.43E-06	0	0	0.089458	0.049068	0	1.60774	5.178956	7.304537	3.282226	2.996039	0.027705	4.073899	147.0445
SPIN4	1	0.956596	0.460858	0.469584	0.783207	0.333417	0.160749	0.130542	0.045363	0.317585	0.160477	0.600732	0.162943	0.271241
SPINDOC	1	3.549536	3.531756	5.216558	6.880336	8.471578	2.587252	2.254513	2.095997	1.86657	6.039023	5.529953	2.968671	0.536835
SPINK1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

SPINK13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SPINK2	1	0	0.675696	0	0.039819	0	0	0	0	0	0	0.143103	0	0
SPINK4	1	0	0.111335	0	0	0	0	0.104747	0	0	0	0.022267	0.020949	0.940821
SPINK5	1	0.10862	0.070094	0	0.037176	0.084217	0	0.626489	0.026735	0	0	0.060021	0.130645	2.176641
SPINK6	1	0	0	0	0.064004	0	0	0	0	0	0	0.012801	0	0
SPINK7	0.162421	0.044382	0.058474	0.096928	0.062025	0.321167	0	0	0	0	0	0.116595	0	0
SPINK8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SPINK9	1	0	0.086275	0	0.030505	0	0	0	0	0	0	0.023356	0	0
SPINLW1	1	0	0.102152	0	0	0	0	0	0	0.175359	0.281939	0.02043	0.09146	4.476635
SPINT1	1	0.036243	0.049115	0.269118	0.052098	0.05901	0.075868	0.030805	0.149867	1.38647	0.120494	0.093117	0.352701	3.787735
SPINT2	1	14.83017	9.370631	15.89266	18.00951	28.87155	14.8938	9.824005	27.96218	20.92036	30.24197	17.39491	20.76846	1.193939
SPINT3	1	0	0.094055	0	0	0	1.089651	2.12373	0.860987	0.215278	0	0.018811	0.857929	45.60793
SPIRE1	1	17.48565	17.15995	11.39684	10.66896	16.07575	18.08757	21.62732	20.10236	11.66494	10.97519	14.55743	16.49148	1.132856
SPIRE2	1	5.407111	6.400857	9.257243	8.377975	8.213999	4.920013	4.411174	5.336946	5.450095	10.01825	7.531437	6.027296	0.800285
SPN	0.032006	0.253491	0.311715	0.405984	0.877227	0.061146	0	0.01197	0	0	0	0.381913	0.002394	0.006269
SPNS1	1	4.420545	4.323297	8.510779	10.07658	7.686698	20.394	16.10564	16.94841	11.71474	21.03218	7.003579	17.23899	2.461455
SPNS2	1	2.311119	2.60211	5.373766	5.382914	9.60076	8.329981	4.911011	2.389182	3.503446	3.044594	5.054134	4.435643	0.877627
SPO11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SPOCD1	1	0.009772	0.027588	0.074692	0.070232	0.066292	0	0.041528	0.025254	0.151546	0.032487	0.049715	0.050163	1.009012
SPOCK1	1	47.50458	60.51126	86.21949	78.15906	66.34684	43.59663	103.1182	101.7878	159.6108	132.4404	67.74824	108.1108	1.595772
SPOCK2	1	108.7426	105.9431	167.1295	152.6629	127.1638	56.09785	63.57577	192.1316	123.6403	235.9143	132.3284	134.272	1.014688
SPON1	1	11.47284	8.435718	29.56878	20.79759	3.938728	5.297747	11.20736	52.46847	81.46223	90.11794	14.84273	48.11075	3.241368
SPON2	1	1.65756	0.081387	0.346265	0.794233	0.273796	0.603447	0.061256	0.335259	7.749345	27.57814	0.630648	7.265491	11.52067
SPOP	1	18.53085	21.07221	16.02288	14.25669	19.81224	29.98318	44.14367	65.67139	50.0778	51.37243	17.93897	48.24969	2.689657
SPOPL	1	5.741664	6.818437	5.557857	5.493269	4.478573	3.230615	5.722238	4.395536	6.1058	7.71209	5.61796	5.433256	0.967123
SPOUT1	1	3.535318	2.853035	3.036347	2.655162	6.726363	12.22345	5.486564	5.831144	5.873063	6.603234	3.761245	7.203491	1.915188
SPP1	1	13.68952	19.92839	179.6112	331.571	33.20135	54.73956	50.72731	8.436547	21.70992	13.93317	115.6003	29.9093	0.25873
SPP2	1	0	0	0	0	0	0.785394	0.091115	0.110818	1.330005	0.035639	0	0.470594	#DIV/0!
SPPL2A	1	6.683454	4.153324	6.863299	4.849113	2.00956	5.650334	7.39853	7.639366	8.702101	2.79305	4.91175	6.436676	1.310465
SPPL2B	1	3.126129	3.112884	5.91469	4.630423	1.461131	2.397232	3.090896	4.25773	6.107096	13.27889	3.649051	5.826369	1.59668
SPPL2C	1	0	0.037639	0.036395	0.079849	0	0	0.035411	0.344547	1.163017	1.620564	0.030776	0.632708	20.55816
SPPL3	1	10.92315	12.79767	12.34439	17.65406	29.83004	14.62683	23.53536	16.57967	13.12226	13.35039	16.70986	16.2429	0.972055
SPR	1	25.9269	23.65659	15.94468	19.40718	53.80042	20.38635	12.69066	10.8344	2.600635	5.081841	27.74716	10.31878	0.371886
SPRED1	1	16.45706	17.1004	14.32303	14.72536	10.15905	11.8599	30.71352	18.15326	38.43484	19.831	14.55298	23.7985	1.635301
SPRED2	1	17.38376	14.7748	11.10092	11.68659	17.69597	8.723866	11.5341	3.73438	7.328574	3.838629	14.52841	7.03191	0.484011
SPRED3	1	6.73852	5.3425	5.086036	6.87924	9.242325	9.316055	6.857236	2.090259	1.743887	1.276909	6.657724	4.256869	0.639388
SPRN	1	0.078554	0.059141	0.071483	0.556752	0	0	0.01391	0	0.101524	0.304692	0.153186	0.084025	0.548518
SPRR4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SPRTN	1	5.607215	4.961784	6.130952	5.175564	3.313031	2.525072	2.920508	5.668134	4.346201	2.211777	5.037709	3.534338	0.701576
SPRY1	1	3.205702	1.665869	3.795224	3.163442	2.323698	3.803424	3.707967	6.574032	7.68167	1.997607	2.830787	4.75294	1.679017
SPRY2	1	19.75651	22.10915	22.58582	18.11487	31.0424	16.63637	34.06901	13.82601	21.47756	11.39331	22.72175	19.48045	0.857348
SPRY3	1	2.072935	1.749675	2.624469	1.562898	1.618865	0.808573	1.258538	3.083546	2.839937	1.626641	1.925769	1.923447	0.998794
SPRY4	1	3.931799	3.408069	0.211346	0.223258	7.372437	6.733751	4.615364	12.09748	0.741148	0.184699	3.029382	4.874488	1.60907
SPRYD3	1	62.79228	57.43254	48.61705	59.06025	62.51619	53.80923	53.87332	53.09089	38.32318	89.65616	58.08366	57.75056	0.994265
SPRYD4	1	2.188587	2.337656	2.566487	2.918734	5.441742	8.463246	5.567019	9.30639	6.075114	6.828274	3.090641	7.248009	2.345147
SPRYD7	1	26.90682	24.27605	16.29803	17.0097	12.6569	42.20028	27.26635	19.98313	12.96681	17.57422	19.4295	23.99816	1.23514

SPSB1	1	1.775625	1.65843	3.701929	4.006354	2.314347	1.503655	1.563516	1.807312	0.833056	1.6957	2.691337	1.480648	0.550153
SPSB2	1	0.153979	0.148317	0.435191	0.591326	0.405558	0.402911	1.077826	1.053395	0.327771	1.181952	0.346874	0.808771	2.331598
SPSB3	1	3.034774	3.695845	5.307879	4.975483	5.653099	3.701306	4.481329	10.28589	5.783541	16.22461	4.533416	8.095337	1.785703
SPSB4	1	0.367383	0.22175	0.996021	0.713243	0.48129	0.994467	0.094219	0	0	0.126354	0.555937	0.243008	0.437114
SPTA1	1	0.014403	0.013554	0.026212	0.017253	0.104223	0.075373	0.030605	0	0	0.023942	0.035129	0.025984	0.739673
SPTAN1	1	183.7413	151.0025	187.715	178.2382	87.89805	141.5331	219.5609	149.6018	138.5296	225.2751	157.719	174.9001	1.108935
SPTB	1	8.204991	7.384702	15.8091	9.734622	7.801899	4.712628	5.992862	15.09676	11.0669	9.883426	9.787063	9.350516	0.955395
SPTBN1	1	169.4376	136.3934	138.6715	150.7874	81.85986	195.501	166.2443	93.61632	78.94678	86.98697	135.4299	124.2591	0.917516
SPTBN4	1	10.5085	9.829624	19.21407	20.10674	12.18587	9.71994	11.06548	16.17411	21.05625	34.37189	14.36896	18.47753	1.285934
SPTBN5	1	0.042487	0.008885	0.292117	0.19604	0.051243	0.057646	0.026751	0.162675	0.089484	0.049701	0.118155	0.077251	0.653816
SPTLC1	1	19.6577	18.01518	12.49342	14.67081	10.28513	9.769442	21.95264	21.58265	27.67221	195.1961	15.02445	55.23461	3.676315
SPTLC2	1	16.49075	17.72986	20.38783	16.99983	3.294514	7.941857	10.86635	8.509621	5.03995	4.647849	14.98056	7.401125	0.494049
SPTLC3	1	4.390293	0.87825	1.41537	1.811425	1.055197	0.869638	0.607348	0.446643	0.670063	0.337007	1.910107	0.58614	0.306862
SPTSSA	1	13.36869	10.84551	8.736527	10.9933	18.15907	15.31638	12.62569	18.05451	19.38766	10.85491	12.42062	15.24783	1.227622
SPTSSB	1	11.96018	14.80449	13.38562	16.23899	18.2204	11.58277	26.74882	10.39513	4.070644	0.123819	14.92194	10.58424	0.709307
SPTY2D1	1	3.964695	3.532223	4.182217	3.177517	0.692879	1.855863	2.411385	3.57437	2.199933	1.945361	3.109906	2.397382	0.770886
SPTY2D1OS	1	0.372928	0.628272	0.614182	0.446728	0.116131	0	0.038973	0.189602	0.442469	0.07114	0.435648	0.148437	0.340726
SPX	1	20.80716	24.15795	7.485604	9.31056	25.87924	7.702539	0.856864	1.328741	3.648054	18.31646	17.5281	6.370531	0.363447
SPZ1	1	0	0.215561	0	0	0	0	0	0	0	0	0.043112	0	0
SQLE	1	48.54711	39.48018	24.97176	36.0152	26.05529	11.07296	35.61671	18.66957	29.47238	19.22056	35.01391	22.81044	0.651468
SQOR	1	2.698527	1.695766	3.833929	4.084135	3.996107	5.694467	3.514531	3.262121	6.300185	4.220561	3.261693	4.598373	1.409812
SQSTM1	1	69.71301	63.39916	59.11582	65.78348	79.67401	38.35173	37.47317	35.09896	26.6001	57.99498	67.5371	39.10379	0.578997
SRA1	1	17.81776	15.70708	11.89876	10.77935	40.07515	23.02741	12.78113	9.102422	8.542389	24.45495	19.25562	15.58166	0.809201
SRARP	1	1.637031	2.742589	5.539613	8.188745	9.958704	3.671622	0.764529	0.883357	0.092998	0.119617	5.613337	1.106425	0.197106
SRBD1	1	6.80568	5.206268	2.870864	3.769127	2.732308	3.683609	2.941872	3.421401	4.650891	2.022448	4.27685	3.344044	0.781894
SRC	1	11.05925	10.20229	7.565041	10.15737	17.86962	13.78466	15.90011	13.61492	8.160813	13.51821	11.37072	12.99574	1.142913
SRCIN1	1	21.95214	22.11176	40.29835	40.95205	28.36894	18.04632	14.997	26.67148	20.97802	37.05045	30.73665	23.54866	0.766143
SRD5A1	1.86E-15	21.65263	21.85207	14.74373	24.51922	36.33773	1.061261	0.667225	0.388846	0.439629	1.359286	23.82108	0.78325	0.032881
SRD5A2	1	0.01401	0.063288	0.015299	0.067132	0.057029	0	0.014886	0.090522	0.072428	0.058225	0.043352	0.047212	1.089053
SRD5A3	1	2.926473	3.304883	1.662207	1.84911	2.8217	7.124649	14.78343	10.19522	11.08337	8.410892	2.512874	10.31951	4.106657
SREBF1	1	3.721397	3.009569	22.38829	24.8462	2.512864	2.024884	1.487328	1.955007	6.360317	12.50249	11.29566	4.866005	0.430785
SREBF2	1	26.68519	25.01512	51.32221	64.58177	30.65365	31.48801	32.84723	33.95052	28.20742	41.99745	39.65159	33.69813	0.849856
SREK1	1	17.65025	18.9651	9.148066	7.966805	5.141541	6.72476	11.04923	19.29757	16.58735	7.931712	11.77435	12.31812	1.046183
SREK1IP1	1	11.39425	12.35366	5.714883	6.129487	7.278528	2.917485	4.055513	4.395849	3.058427	1.80616	8.57416	3.246687	0.378659
SRF	1	5.314939	4.848545	7.301567	7.958416	3.314963	9.57069	9.472369	8.825112	4.91176	9.16771	5.747686	8.389528	1.459636
SRFBP1	1	3.308797	4.289331	2.753423	2.316341	1.573488	1.280606	4.385914	6.922232	2.612543	1.388346	2.848276	3.317928	1.16489
SRGAP1	1	3.741128	3.736302	4.500609	4.348782	3.085359	3.292259	2.75353	4.267206	7.271512	2.998324	3.882436	4.116566	1.060305
SRGAP2	1	11.59726	11.01985	16.912	11.73305	11.40235	25.06993	16.05253	32.56228	25.40712	50.82364	12.5329	29.9831	2.392351
SRGAP3	1	17.61429	15.85904	18.92057	22.71114	13.63094	13.59387	23.66595	14.88517	17.3333	12.14832	17.74719	16.32532	0.919882
SRGN	1	32.93902	9.022163	8.653611	9.82095	12.36975	15.59434	7.290304	5.786276	8.65986	4.846343	14.5611	8.435425	0.579312
SRI	1	7.939675	8.027744	5.573839	5.678339	13.86148	14.9922	12.29214	13.62907	12.77555	19.83732	8.216215	14.70526	1.789785
SRL	1	0.981294	0.602464	1.828445	1.903168	1.447693	0.509468	0.297886	0.120767	1.972808	2.556901	1.352613	1.091566	0.807005
SRM	1	10.01647	8.300761	6.562673	9.387192	23.66381	51.87986	18.99954	19.07262	9.82326	41.03911	11.58618	28.16288	2.43073
SRMS	1	0.042805	0.157106	0.140228	0.076915	0.02904	0	0	0	0	0.088946	0.089219	0.017789	0.199389
SRP14	1	133.9834	115.193	65.06263	68.41023	207.4245	402.6539	206.24	181.5937	194.9728	283.6734	118.0148	253.8268	2.150805
SRP19	1	38.45609	35.15186	21.72313	26.88726	63.45485	47.60217	68.04363	54.11915	38.33998	43.8024	37.13464	50.38147	1.356724

SRP54	1	26.82877	27.64985	16.00928	18.61648	13.30834	19.27794	29.42441	26.87853	28.6797	17.01796	20.48255	24.25571	1.184214
SRP68	1	23.87988	21.13399	24.89571	27.14251	18.54595	17.67341	22.25171	29.51269	19.04544	24.2749	23.11961	22.55163	0.975433
SRP72	1	25.97668	23.13748	16.86758	14.89593	5.309282	16.79652	25.47413	26.75941	22.65315	28.35754	17.23739	24.00815	1.392795
SRP9	1	47.63496	43.29033	23.94442	25.60306	44.4938	49.45396	85.19965	56.00552	75.75912	38.0464	36.99331	60.89293	1.646052
SRPK1	1	19.71132	19.72152	11.84225	11.319	20.6343	16.51066	23.92512	23.16776	23.64607	15.76602	16.64568	20.60312	1.237746
SRPK2	1	44.352	46.26313	24.78231	29.83554	27.14573	28.73967	46.05265	38.29728	46.14537	42.38669	34.47574	40.32433	1.169644
SRPK3	1	2.118003	2.497709	4.175353	3.783262	6.205336	3.629342	2.847757	2.858033	2.81	1.54231	3.755933	2.737488	0.728844
SRPRA	1	23.98561	22.78258	28.2835	32.03113	21.17713	19.20502	33.8509	26.96932	29.84061	36.5914	25.65199	29.29145	1.141878
SRPX	1	2.847157	0.57291	1.243616	1.203009	1.517154	0.758551	1.210013	1.471663	2.140912	1.187534	1.476769	1.353734	0.916687
SRPX2	1	0.067985	0.038388	0.074238	0.101799	0.046122	0.088947	0.144465	0.043926	0.439323	0.211901	0.065706	0.185712	2.826393
SRR	1	2.799908	2.615646	0.378846	0.515098	2.506156	8.004078	5.57067	7.697146	2.702919	1.640811	1.763131	5.123125	2.905698
SRRD	1	5.555699	5.633296	2.6827	2.62919	5.296178	2.153688	2.212718	3.206868	0.934801	0.943236	4.359412	1.890262	0.433605
SRRM1	1	16.02632	16.29988	15.52461	13.82244	11.57759	14.00331	11.88326	24.27471	28.08427	21.65112	14.65017	19.97933	1.363761
SRRM2	1	46.56159	43.08651	88.31597	86.11704	24.51299	45.90481	57.56724	91.86296	58.03033	51.60245	57.71882	60.99356	1.056736
SRRM3	1	5.497349	6.59864	13.27455	9.939986	7.656029	3.437856	3.982026	12.25963	8.936889	21.64486	8.593311	10.05225	1.169776
SRRM4	1	10.11878	12.39609	11.87866	9.260605	15.56282	4.621999	7.716506	24.77003	11.43216	13.17902	11.84339	12.34394	1.042264
SRRM5	1	0.21158	0.688707	0	0	0.759918	0	0	0	0	0	0.332041	0	0
SRRT	1	19.81307	19.81609	24.6367	23.89491	20.71753	28.86267	20.84323	44.00789	29.14289	31.53483	21.77566	30.8783	1.418019
SRSF1	1	49.83974	49.39376	53.83721	54.53668	61.7267	65.21582	75.76963	126.8566	98.46179	70.95475	53.86682	87.45172	1.62348
SRSF10	1	11.22265	11.45043	8.346984	7.921795	12.38132	10.58648	10.01821	12.12024	14.42926	10.18925	10.26464	11.46869	1.117301
SRSF11	1	37.68581	41.21653	25.71262	21.3709	16.00978	29.95398	37.59729	62.79386	62.56437	49.80348	28.39913	48.5426	1.709299
SRSF12	1	3.535053	2.086436	3.63781	2.648815	1.677783	3.083349	2.457568	1.785872	9.400693	3.131682	2.71718	3.971833	1.461748
SRSF2	1	30.56602	31.12023	24.34755	25.37147	55.94239	73.36285	59.12889	85.03442	60.48442	72.07905	33.46953	70.01792	2.09199
SRSF3	8.54E-05	18.41301	19.39454	20.84664	13.52169	25.85036	324.6494	116.2693	152.2195	110.4027	142.9687	19.60525	169.3019	8.635543
SRSF4	1	21.16707	20.21984	23.8542	25.46152	34.23098	43.60598	24.00595	45.81782	43.70206	41.03133	24.98672	39.63263	1.586148
SRSF5	1	86.9707	86.12146	74.36218	88.16588	142.4269	168.5215	151.5657	215.3518	216.2753	195.674	95.60942	189.4777	1.981789
SRSF6	1	42.61657	44.36793	50.29483	52.36699	65.82532	45.19136	46.28329	74.40033	59.51299	40.96356	51.09433	53.27031	1.042587
SRSF7	1	28.21859	28.29101	29.04203	31.44365	60.20043	62.50098	51.42562	76.79773	40.80727	48.08732	35.43914	55.92378	1.578023
SRSF9	1	12.68079	9.226906	12.39383	14.26023	32.10402	23.60424	19.28645	21.30709	20.25901	19.0209	16.13315	20.69554	1.282795
SRXN1	1	7.237077	7.6464	14.23787	12.13518	18.33379	44.22505	41.85825	30.50366	21.07832	21.61296	11.91806	31.85565	2.672888
SS18	1	13.96585	9.920198	12.35057	11.41422	11.12328	14.84182	9.345113	13.14361	19.12077	14.44316	11.75482	14.17889	1.206219
SS18L1	1	4.786815	5.828526	5.12274	4.455612	2.950272	3.29289	3.698045	4.713837	6.423281	5.825632	4.628793	4.790737	1.034986
SS18L2	1	40.37997	46.06294	23.49181	29.37818	132.8713	22.1792	24.13705	14.73379	8.897169	8.72589	54.43684	15.73462	0.289044
SSB	1	65.28845	65.4649	18.79033	22.00585	43.41627	36.03706	35.72539	39.48264	37.72025	21.76941	42.99316	34.14695	0.794241
SSBP1	1	35.26581	29.92127	13.58866	13.69652	50.27978	41.93397	23.223	12.57956	15.78608	17.5947	28.55041	22.22346	0.778394
SSBP2	1	10.14998	11.05824	8.007626	6.375492	9.986912	9.079419	10.95537	9.54663	10.33898	8.951818	9.11565	9.774443	1.07227
SSBP3	1	26.13834	28.39211	18.4998	22.68305	18.54711	19.75863	30.0136	43.50917	35.0326	56.85597	22.85208	37.03399	1.620596
SSBP4	1	6.328182	7.778955	14.13821	18.38487	12.39586	23.63901	14.46719	9.042151	13.68741	36.35895	11.80522	19.43894	1.64664
SSC4D	1	0.019832	0	0.028875	0.134621	0.322905	0	0.21071	0.427122	0.102524	0.065935	0.101246	0.161258	1.592728
SSC5D	1	1.0192	0.735354	0.989286	3.226041	1.709402	0.777847	0.195519	0.759123	0.969623	4.41211	1.535856	1.422844	0.926418
SSFA2	1	16.13937	12.81466	18.52797	15.13859	6.720784	26.44732	22.11719	19.22999	24.45788	13.82859	13.86827	21.21619	1.529837
SSH1	1	2.970074	2.377443	4.279615	3.745948	2.933645	3.156316	2.258511	3.093923	1.894274	2.008951	3.261345	2.482395	0.761157
SSH2	1	3.968659	4.107982	5.275258	5.330418	3.400113	12.57036	4.23296	5.317406	3.432688	1.759689	4.416486	5.46262	1.23687
SSH3	1	2.579754	2.63115	5.988056	6.27762	7.348802	1.307659	1.162381	2.40858	1.361569	2.727969	4.965076	1.793632	0.36125
SSLP1	4.74E-07	4.772898	6.121083	3.430625	3.711674	9.392012	0	0	0.200755	0	0	5.485659	0.040151	0.007319
SSMEM1	1	0.033507	0.302721	0	0	0	0.175355	0.071201	0.216495	0.519663	0.529154	0.067246	0.302374	4.496558

SSNA1	1	23.48198	17.59925	25.00017	31.84565	97.21009	16.85263	10.83871	4.738389	8.019979	17.03624	39.02743	11.49719	0.294593
SSPN	1	4.107338	3.421293	4.322504	3.732369	2.010102	3.363728	4.072458	5.084753	7.374977	2.045724	3.518721	4.388328	1.247137
SSPO	1	0.186529	0.203897	2.50691	1.486751	0.366656	0.043802	0.076224	0.658217	1.298082	2.122815	0.950149	0.839828	0.883891
SSR1	0.108417	57.98768	55.66381	41.91488	48.11509	56.09058	15.09239	20.0675	19.66981	26.69394	16.82121	51.95441	19.66897	0.378581
SSR2	1	42.76018	36.42282	48.52778	61.8349	144.2077	39.14872	26.33619	34.12004	25.31723	31.22009	66.75067	31.22845	0.467837
SSR3	1	24.71865	23.59536	21.1811	26.59948	26.24669	12.06576	15.36422	14.90625	17.70253	20.53904	24.46825	16.11556	0.658631
SSR4	1	18.90379	20.43205	18.73669	22.14414	93.85857	132.8926	38.70699	70.71063	26.68714	44.09225	34.81505	62.61793	1.798588
SSRP1	1	35.30724	32.34254	35.49609	43.44825	45.51452	57.88499	46.92034	61.18027	45.77268	47.9715	38.42172	51.94596	1.351994
SSSCA1	1	21.43987	12.92791	15.95434	21.42459	18.91255	38.08419	22.00614	9.982504	16.92932	26.98607	18.13185	22.79764	1.257326
SST	1	168.406	131.2592	30.42299	61.90537	374.8131	173.3032	120.7825	0.803611	0	0	153.3614	58.97785	0.384568
SSTR1_1	5.47E-06	0.071155	0.035714	0.017267	0	0	0	0.042	0	0	0.013143	0.024827	0.011029	0.444215
SSTR1_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SSTR2	1	7.642011	11.24806	0.200221	0.251018	25.14493	2.364633	6.874045	19.34417	0.135412	0.816425	8.897248	5.906936	0.663906
SSTR3	1	1.324395	1.459607	5.384096	2.064342	0.324757	0.876812	2.932947	7.814761	2.72216	9.920402	2.111439	4.853416	2.298629
SSTR5	1	0.020672	0	0	0.037145	0	0	0	0	0.106869	0	0.011563	0.021374	1.848385
SSU72	1	31.90093	31.66403	21.46794	28.05455	39.20822	59.24997	46.11833	50.49232	48.91495	74.19442	30.45913	55.794	1.831766
SSUH2	1	0.030693	0.038513	0.037241	0.065364	0.092546	0.035695	0	0	0	0	0.052871	0.007139	0.135026
SSX2IP	1	42.28085	60.66546	10.40509	13.83443	21.45254	18.25283	38.43469	16.43048	12.10707	7.794579	29.72768	18.60393	0.625812
SSX5	1	0	0.0256	0	0	0	0	0	0	0.117188	0.131889	0.00512	0.049815	9.729699
ST13	1	48.63539	44.41335	42.4194	44.95521	51.10036	42.82649	49.40315	75.92667	67.32209	55.8777	46.30474	58.27122	1.258429
ST14	1	0.78499	0.626086	2.335852	2.597674	0.612434	0.385135	1.480407	2.890985	4.717557	9.721616	1.391407	3.83914	2.759178
ST18	1	2.031553	3.653232	18.12383	10.15141	3.935213	3.803383	3.361617	34.23702	33.18477	35.64799	7.579048	22.04696	2.908935
ST3GAL1	1	5.284323	5.230459	2.922159	5.629242	6.828181	4.351595	4.564087	0.896002	0.938139	0.508778	5.178873	2.25172	0.43479
ST3GAL2	1	7.588607	6.666989	12.06058	10.14622	11.93748	11.028	9.190873	9.451212	9.770499	13.32357	9.679974	10.55283	1.090171
ST3GAL3	1	13.47894	12.11518	11.85027	11.3396	19.9258	19.7006	15.3246	10.2992	6.094879	13.0886	13.74196	12.90158	0.938846
ST3GAL4	1	6.483263	4.869436	7.28187	7.112908	17.84478	13.41005	15.56975	4.760725	9.895236	12.69332	8.718451	11.26582	1.292181
ST3GAL5	1	15.90436	15.46652	9.577576	9.245127	15.05432	35.48395	25.26851	29.27222	30.70379	26.24622	13.04958	29.39494	2.252558
ST3GAL6	1	4.060731	6.066297	2.448402	2.265935	3.934116	6.344764	8.636608	2.774685	2.567429	0.613111	3.755096	4.187319	1.115103
ST5	1	4.799601	3.469285	9.846352	6.979135	5.550761	12.16804	8.432618	11.39453	8.23773	11.76723	6.129027	10.40003	1.696848
ST6GAL1	1	4.302016	4.337483	2.758499	3.541388	2.951252	9.257699	5.111964	1.245251	3.754089	0.572111	3.578128	3.988223	1.114612
ST6GAL2	0.063985	22.54766	21.30914	6.41268	11.81145	15.70433	4.223068	5.02532	1.057989	1.73566	2.442971	15.55705	2.897001	0.186218
ST6GALNAC1	1	0	0	0	0	0.025212	0.02431	0	0	0	0.015444	0.005042	0.007951	1.57683
ST6GALNAC2	1	1.960332	1.679445	3.014125	2.179572	2.751567	6.426652	2.118714	1.091889	1.689034	0.159191	2.317008	2.297096	0.991406
ST6GALNAC3	1	2.853733	4.365873	5.882725	8.268722	3.988441	9.008598	5.237677	9.089812	5.587722	2.224574	5.071899	6.229677	1.228273
ST6GALNAC4	1	1.21596	1.169358	2.821584	1.911775	4.382434	2.833753	2.563667	6.653429	5.352984	17.16552	2.300222	6.913871	3.00574
ST6GALNAC5	1	5.328681	3.610626	3.823793	4.676666	3.36423	0.284558	3.212085	0.421582	0.281095	0	4.160799	0.839864	0.201852
ST6GALNAC6	1	17.87256	14.3522	12.18582	16.10622	38.88927	79.95141	25.11611	13.00991	7.497325	20.01613	19.88121	29.11818	1.464608
ST7	1	2.927087	3.391214	3.488904	2.567682	5.391466	4.047869	5.113435	13.48354	7.422251	5.714579	3.553271	7.156334	2.014013
ST7L	1	1.672539	1.656824	1.772378	1.490112	1.96483	1.605924	1.560123	3.001885	4.732917	2.413544	1.711337	2.662878	1.556023
ST8SIA1	1	1.841263	3.901254	7.27654	3.003868	0.285519	2.661353	2.533868	3.399028	10.60651	15.88697	3.261689	7.017546	2.151507
ST8SIA2	1	0.187107	0.105651	0.342961	0.504303	0.009067	1.241477	0.731288	0.259054	0.051818	0.055542	0.229818	0.467836	2.035682
ST8SIA3	1	20.23774	28.06482	18.48816	18.17271	18.18223	6.164251	14.16832	12.83865	15.11344	12.40722	20.62913	12.13838	0.58841
ST8SIA4	1	3.277001	4.416287	2.205432	2.146572	0.483591	9.844194	6.416484	2.788959	2.456688	0.312695	2.505777	4.363804	1.741497
ST8SIA5	1	8.666889	11.32409	19.49496	9.863854	2.881195	2.099084	10.19436	4.370057	12.03465	5.268717	10.4462	6.793374	0.65032
ST8SIA6	1	0.040876	0.046162	0.154198	0.120188	0	0	0.031586	0	0	0	0.072285	0.006317	0.087392
STAB1	0.000138	0.989687	0.725039	2.0602	2.121201	1.710788	18.27937	5.619587	13.53173	10.28058	9.670792	1.521383	11.47641	7.543407

STAB2	1	0.004533	0.010239	0.029701	0.032581	0	0.047447	0.062613	0.574069	0.175761	0.105499	0.015411	0.193078	12.52873
STAC	1	0.485515	0.445087	0.299392	0.697915	0.294507	4.663228	1.699264	1.431933	1.151619	0.303845	0.444483	1.849978	4.162087
STAC2	1	2.98961	3.935551	6.361775	7.296678	8.576864	4.474582	4.999517	4.023254	0.274353	2.019259	5.832095	3.158193	0.541519
STAC3	1	0.381747	0.394677	0.270079	0.109493	0.539854	3.995615	3.164796	4.46056	2.584999	0.491585	0.33917	2.939511	8.66678
STAG1	1	5.656745	6.141176	5.818773	4.650891	3.479018	4.880938	4.105752	13.14345	12.89408	8.469118	5.14932	8.698667	1.689284
STAG2	1	10.54075	11.22252	14.48514	12.68719	5.877664	13.24386	12.91926	29.47527	30.22652	14.91979	10.96265	20.15694	1.838692
STAG3	1	2.564298	1.999667	2.28021	1.428931	2.887105	0.584034	0.210793	1.30751	1.256418	1.381055	2.232042	0.947962	0.424706
STAM	1	7.282782	8.377465	8.559907	8.177416	5.886359	3.497906	8.165755	5.721205	9.785514	5.884322	7.656786	6.61094	0.863409
STAM2	1	6.150509	6.076498	4.884534	5.560149	2.764422	8.918739	11.10014	8.660451	11.95811	4.5837	5.087222	9.044228	1.777832
STAMBP	1	7.665003	6.684661	6.596721	7.606159	8.10859	9.433465	16.21873	18.71855	10.28411	8.786977	7.332227	12.68836	1.730493
STAMBPL1	1	4.283006	5.548344	2.166478	2.609453	7.166404	9.681326	14.69861	19.57462	14.48386	10.88581	4.354737	13.86484	3.183853
STAP1	1	0.101763	0.025538	0.12347	0.135446	0.061367	0	0	0	0.058453	0	0.089517	0.011691	0.130597
STAP2	1	0.356599	0.298303	0.432666	0.332242	0.537607	0.483829	0.252585	0.068267	0.955883	2.876112	0.391483	0.927335	2.368774
STAR	1	1.756188	0.06222	0.451229	0.758992	0.093445	0	0.073173	0	2.136201	0.286213	0.624415	0.499117	0.799336
STARD10	0.597273	2.057603	3.331375	4.402017	3.873242	5.298779	41.80885	20.76844	15.65483	14.11039	22.56432	3.792603	22.98137	6.059523
STARD13	1	1.93373	1.391979	1.967189	2.429981	1.38805	2.768266	1.839806	2.689039	4.424338	2.492796	1.822186	2.842849	1.560131
STARD3	1	6.079074	4.437221	13.04259	15.54104	7.085942	6.466217	13.14527	6.684635	4.428683	10.57101	9.237173	8.259165	0.894123
STARD3NL	1	16.08783	18.21585	12.84082	13.88359	36.1577	38.14874	44.85204	19.34965	23.25212	23.90728	19.43716	29.90197	1.538392
STARD5	1	2.254941	1.517446	2.529813	3.089706	9.849348	0.727449	0.065639	3.632376	1.357349	2.105302	3.848251	1.577623	0.409958
STARD6	0.00017	0.058807	0.175084	0.046703	0.076849	0.029015	2.685882	2.66965	2.528459	4.643091	1.732968	0.077292	2.85201	36.89932
STARD7	1	17.2243	19.93731	22.85711	29.00672	21.85756	8.264597	14.98671	12.99031	4.857444	8.562472	22.1766	9.932306	0.447873
STARD8	1	0.884101	0.90545	1.657241	1.534992	1.262715	3.128234	1.642885	1.276589	2.720084	0.273704	1.2489	1.808299	1.447914
STARD9	1	0.540669	0.747258	2.598746	2.5622	0.718251	2.320423	1.136876	0.467725	1.064228	0.172985	1.433425	1.032447	0.720266
STAT1	1	16.6769	14.45556	13.06901	12.6535	8.006991	13.32986	20.57814	11.89012	25.9069	14.76262	12.97239	17.29353	1.333102
STAT2	1	13.41706	12.14302	15.37171	14.55122	5.195541	11.77241	18.11122	29.96005	10.54375	7.171397	12.13571	15.51176	1.278192
STAT3	1	15.63165	11.80094	15.93506	16.55957	15.44936	11.47247	16.37358	17.34561	20.55136	16.01117	15.07532	16.35084	1.08461
STAT4	1	0.634792	0.405505	0.140037	0.130576	0.069601	1.744929	1.689534	0.397718	0.497219	0.10659	0.276102	0.887198	3.213296
STAT5A	1	1.663761	1.329174	6.838762	2.976458	0.630903	3.26988	2.547346	6.402901	3.380322	10.96628	2.687812	5.313346	1.97683
STAT5B	1	5.927917	7.033344	11.22674	6.563704	5.621927	13.83104	9.003395	15.22029	19.53485	30.27598	7.274726	17.57311	2.415639
STAT6	1	3.746957	3.104806	3.228699	4.397741	4.73554	3.721929	1.441293	1.429594	2.008531	0.760798	3.842749	1.872429	0.487263
STATH	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
STAU1	1	26.26687	29.99184	24.72716	25.37775	24.44649	26.0464	29.45806	30.27172	19.26769	17.28741	26.16202	24.46625	0.935182
STAU2	1	32.89114	34.91141	21.98571	23.23047	22.92096	100.4267	57.39286	26.43055	33.11055	22.34168	27.18794	47.94046	1.763299
STBD1	1	6.050852	3.188208	3.195619	2.680729	2.709421	3.51345	8.138978	3.803858	2.091314	1.015869	3.564966	3.712694	1.041439
STC1	1	1.94703	0.693004	1.555293	1.805971	0.287822	0.991191	0.708338	1.253102	1.723266	0.667473	1.257824	1.068674	0.849621
STC2	1	0.743797	0.349989	0.270737	0.668243	0	0.324378	1.053688	0.213589	0.42724	0.206073	0.406553	0.444994	1.094552
STEAP1	1	5.04561	0.233253	1.643246	1.025024	0.400355	1.698588	1.097247	1.220125	0.610151	1.005517	1.669497	1.126326	0.67465
STEAP2	1	4.338383	5.970434	6.870298	3.95956	4.841688	2.850309	6.704615	7.159372	6.505054	3.762021	5.196073	5.396274	1.038529
STEAP3	1	1.347636	0.841898	2.102274	1.957798	1.60065	0.878898	0.191491	0.137622	1.037607	0.960094	1.570051	0.641142	0.408358
STEAP4	1	0.0371	0.032587	0.045014	0.09876	0	0.194157	0.043798	0	0.639313	0.123345	0.042692	0.200123	4.687575
STIL	1	0.427284	0.168223	0.239714	0.187831	0.085101	2.400234	1.216162	2.471989	1.398296	0.821067	0.221631	1.661549	7.496932
STIM1	1	7.49372	6.312505	10.37657	10.21124	9.101199	15.40345	17.58173	23.03886	20.24284	66.39895	8.699046	28.53317	3.280034
STIM2	1	13.49441	12.39569	8.892017	9.254527	9.16114	4.974996	22.19105	14.63334	14.31184	11.50133	10.63956	13.52251	1.270966
STIP1	1	34.70886	32.84421	44.33711	45.49852	43.39317	42.63762	54.73155	56.88205	41.37899	74.33355	40.15637	53.99275	1.344562
STK10	1	1.372318	1.013099	1.980409	1.231467	0.368454	3.146792	3.101584	3.484017	1.579316	2.168398	1.193149	2.696021	2.259584
STK11	1	9.850148	8.837233	15.09361	15.5057	15.36243	8.839298	4.884282	6.220782	8.010756	26.26575	12.92982	10.84417	0.838695

STK11IP	1	1.221521	1.315745	1.877576	2.441404	1.720456	2.067178	1.79863	4.117762	2.11066	2.620987	1.71534	2.543043	1.48253
STK16	1	9.722123	8.326546	8.431344	10.62997	16.85066	65.6761	17.47005	16.86327	10.68163	12.56396	10.79213	24.651	2.284165
STK17A	1	20.29771	18.68568	12.61858	11.16553	12.66273	18.60293	45.05076	42.91224	91.46367	29.39154	15.08605	45.48423	3.014987
STK17B	1	1.778095	1.129223	2.439164	1.275084	0.240711	0.696319	0.848204	7.45057	8.233296	1.588485	1.372456	3.763375	2.742074
STK19	1	11.79098	12.09995	19.1683	26.75286	21.38316	4.732174	5.078145	5.675454	3.005089	6.47784	18.23905	4.993741	0.273794
STK24	1	12.87268	10.57685	11.7652	10.96616	9.860521	32.28308	21.74239	31.30317	20.31362	35.42257	11.20828	28.21296	2.517153
STK25	1	13.86319	13.34973	18.32966	25.1007	23.05505	32.50072	34.47451	19.2942	20.58025	34.72359	18.73967	28.31466	1.510948
STK26	1	1.713733	2.245774	1.839429	1.41529	0.634882	3.336415	2.262016	1.662782	2.842259	0.894503	1.569822	2.199595	1.401175
STK3	1	3.00884	2.128275	4.130056	2.973718	1.4108	2.584697	1.947089	1.729905	9.104321	4.958485	2.730338	4.064899	1.48879
STK32A	1	1.495852	1.338455	3.421746	2.57253	1.365301	1.873134	2.841377	5.087688	1.204465	1.257335	2.038777	2.4528	1.203074
STK32B	1	0.779059	0.276507	0.947942	1.353183	0.332217	1.572584	2.766984	0.043145	0	0.092504	0.737782	0.895043	1.213155
STK32C	1	31.15181	30.10952	11.51639	25.93049	26.00103	36.395	25.02904	5.727794	5.136011	18.38905	24.94185	18.13538	0.727106
STK33	1	0.782766	0.410865	0.854766	1.096151	0.508604	1.355875	0.597396	0.62685	1.937818	1.227911	0.73063	1.14917	1.572847
STK35	1	3.547289	3.575126	5.306585	5.996308	5.044381	3.55423	3.311807	6.482471	2.224084	3.607335	4.693938	3.835986	0.817221
STK36	1	1.60093	1.628458	2.107979	2.795355	2.524589	2.454627	2.55348	3.065565	4.268369	2.461522	2.131462	2.960713	1.389052
STK38	1	5.876568	3.769038	3.973937	3.519752	6.58793	6.121651	4.616199	8.085687	11.83034	6.304205	4.745445	7.391616	1.557623
STK38L	1	8.346573	10.03252	5.11278	5.498808	4.397224	8.868643	14.2835	10.39619	13.61523	7.979274	6.677581	11.02857	1.651581
STK39	1	6.490451	5.723408	8.565254	9.081712	0.899385	3.685744	8.539229	9.172276	8.638186	4.568234	6.152042	6.920734	1.124949
STK4	1	11.22332	8.845556	6.41758	5.603773	1.22679	4.371718	8.395179	6.934017	5.995114	6.338773	6.663404	6.40696	0.961515
STK40	1	7.413043	8.24257	14.3664	13.43849	12.19872	9.267539	12.01735	5.84865	5.883576	8.904373	11.13185	8.384297	0.753181
STKLD1	1	0.052968	0.085453	0.396616	0.462277	0.041068	0.712795	0.19295	0.254229	0.078236	0.855345	0.207676	0.418711	2.01617
STMN1	1	314.7531	264.3665	121.441	187.9234	503.6923	1055.295	589.8465	282.7159	220.2457	143.7805	278.4353	458.3767	1.646259
STMN2	1	329.3079	265.7464	93.6861	90.69337	348.9045	660.1272	682.8011	766.6471	216.6166	377.0883	225.6677	540.6561	2.395807
STMN3	1	113.5896	108.5089	114.5069	128.3928	293.6726	94.54435	62.07481	52.68714	83.4274	119.7411	151.7342	82.49496	0.543681
STMN4	1	164.7423	253.0026	89.90473	110.9803	231.9572	154.9401	146.071	109.6088	75.40933	79.91297	170.1174	113.1884	0.665355
STMND1	1	0.121559	0.274555	0.243357	0.145615	0	0	0	0	0	0.050518	0.157017	0.010104	0.064347
STMP1	1	23.67299	19.71309	14.91333	16.31541	36.75926	33.16624	15.75073	19.89895	10.0587	8.471164	22.27481	17.46916	0.784256
STN1	1	2.939871	2.408544	1.726154	1.783369	3.427181	6.828187	3.687819	3.609827	5.729001	4.887046	2.457024	4.948376	2.013972
STOM	1	4.279789	2.879999	5.051173	5.362351	5.153571	9.264275	2.983403	1.823028	1.928483	1.398083	4.545377	3.479454	0.765493
STOML1	1	1.989102	2.184267	1.514694	1.683542	2.832432	1.365589	2.723793	2.443174	0.946646	1.396438	2.040807	1.775128	0.869817
STOML2	1	24.23894	23.06983	26.46845	26.94209	78.99401	47.90624	38.05151	34.4691	20.81037	39.95981	35.94266	36.2394	1.008256
STOML3	1	0.047208	0.035541	0.790435	0.16965	0	0.123527	0.016719	0.345684	0	0.026158	0.208567	0.102418	0.491055
STON1	1	1.044746	0.886858	1.630868	1.159102	0.542283	2.678706	3.203402	5.372989	5.056601	2.605074	1.052771	3.783354	3.593709
STON2	1	7.304868	5.074086	1.558635	1.052026	5.412012	2.71458	1.828186	0.711892	0.425348	0.15164	4.080325	1.166329	0.285842
STOX1	1	2.241468	1.833256	2.768082	2.363434	2.456763	0.686176	0.371488	0.516363	0.355051	1.255861	2.332601	0.636988	0.273081
STOX2	1	3.733644	4.917176	5.40341	5.202112	2.515057	2.676186	3.860296	3.598618	7.239233	2.074706	4.35428	3.889808	0.89333
STPG1	1	1.006784	0.610594	0.393608	0.629066	0.387888	0.17888	0.343355	0.09637	0.112447	0.020662	0.605588	0.150343	0.248259
STPG2	1	0.011712	0.039681	0.089528	0	0	0.551655	0.062221	0	0.393569	0.07788	0.028184	0.217065	7.701629
STPG3	1	0	0.058446	0.025117	0	0	0	0.012219	0	0	0	0.016713	0.002444	0.146229
STPG4	1	0.127513	0.034286	0.11935	0.116379	0.032955	2.06551	1.277379	0.470787	0.502246	0.74694	0.086097	1.012572	11.76087
STRA6	1	3.191436	0.182925	1.42459	1.216648	1.021679	1.237173	0.548857	0.226285	2.489496	1.229882	1.407455	1.146339	0.814476
STRA8	1	0.347335	0.154097	0.216733	0.133737	0.201975	0	0.052719	0.192357	0	0.020621	0.210775	0.053139	0.252114
STRADA	1	5.432531	4.853513	7.853754	8.490738	9.282616	4.475392	4.286719	8.146356	6.433016	10.52516	7.182631	6.773329	0.943015
STRADB	1	7.184506	6.558505	4.725616	5.161521	6.837716	11.51986	16.28184	14.83983	11.42809	4.702477	6.093573	11.75442	1.928987
STRAP	1	36.15689	43.26069	27.9904	27.57568	41.40081	25.50677	41.85933	29.31715	30.70706	37.87792	35.27689	33.05364	0.936977
STRBP	1	16.5847	23.4376	17.03489	16.93771	14.56481	10.57101	12.79039	9.141308	7.760093	4.7161	17.71194	8.99578	0.507893

STRC	0.000546	0	0	0.014252	0.035177	0.017709	2.80038	2.57921	7.429132	0.067471	0.439338	0.013427	2.663106	198.3334
STRIP1	1	17.07814	14.84209	14.22224	17.70893	26.08693	20.24153	19.63672	28.80812	21.16109	26.7025	17.98767	23.30999	1.295888
STRIP2	1	7.80931	8.285772	24.10175	18.80901	5.823415	6.702701	10.28419	21.12009	6.464878	2.110229	12.96585	9.336416	0.720077
STRN	1	5.64727	7.093836	9.602624	8.134195	4.773918	8.69306	9.541949	5.891092	11.28848	5.283633	7.050369	8.139643	1.154499
STRN3	1	14.79545	13.88068	8.309253	9.294742	6.879097	12.41271	19.76685	28.99754	23.79397	13.82918	10.63184	19.76005	1.858572
STRN4	1	11.57554	10.51998	13.25726	18.91563	15.9707	24.04827	20.80423	11.44962	8.065014	11.42077	14.04782	15.15758	1.078998
STS	1	0.497507	0.546895	1.103874	0.63083	0.344699	0.27698	0.68604	0.588175	0.738746	0.290338	0.624761	0.516056	0.826005
STT3A	1	20.92767	18.46386	22.10742	19.16801	10.30105	20.53526	32.88442	30.79102	25.83441	24.69719	18.1936	26.94846	1.481205
STT3B	1	24.76646	22.96041	18.31418	18.42648	9.130148	12.40531	34.66373	23.16567	27.34166	19.91419	18.71954	23.49811	1.255272
STUB1	1	53.96569	46.3789	34.15923	39.63427	123.9886	113.1831	58.86493	44.29103	42.40118	75.53798	59.62534	66.85563	1.121262
STUM	1	29.25271	24.07549	18.09844	39.00712	20.54176	37.53597	21.03282	0.028518	0.171135	0.531952	26.19511	11.86008	0.452759
STX10	1	2.262923	2.0819	2.908915	2.24699	4.602496	2.74961	1.018522	3.549536	1.310422	2.765755	2.820645	2.278769	0.807889
STX11	1	0.158306	0.059592	0.083814	0.109183	0.052072	0.251051	0.193681	0.06199	0.347194	0.15949	0.092594	0.202681	2.188933
STX12	1	49.57544	41.03529	25.70233	30.48244	61.44245	92.49454	118.8456	84.93625	71.75864	76.38599	41.64759	88.8842	2.134198
STX16	1	15.7726	18.42941	17.94576	18.14315	17.56474	11.18797	13.73193	18.66297	17.4957	16.22357	17.57113	15.46043	0.879877
STX17	1	2.996308	3.063511	3.134895	2.991049	2.124682	4.8723	4.585949	7.296283	7.057343	2.440373	2.862089	5.25045	1.834481
STX18	1	8.586589	7.815277	3.734595	4.595793	8.26944	7.266317	9.317142	8.158936	9.784592	6.997187	6.600339	8.304835	1.258244
STX19	1	0	0	0	0	0	0.104007	0	0	0.102741	0	0	0.04135	#DIV/0!
STX1A	1	69.37333	65.73155	24.93073	51.29986	104.6778	98.69097	42.10914	0.579261	0.679233	2.505316	63.20265	28.91278	0.457462
STX1B	1	84.85989	102.7794	94.74411	81.21502	64.99505	62.51803	73.20554	61.3364	44.80593	110.7724	85.7187	70.52766	0.82278
STX2	1	13.18727	11.30554	9.079312	10.89489	14.07608	13.55872	6.818409	11.24852	9.723046	7.874851	11.70862	9.844707	0.840809
STX3	1	6.559898	8.022065	13.43214	6.05201	12.64785	2.731234	4.08942	7.352841	5.583351	5.331876	9.342793	5.017744	0.537071
STX4	1	5.695572	6.907708	4.221256	5.023115	12.66191	6.171991	5.519356	3.640661	4.088779	4.092142	6.901912	4.702586	0.681345
STX5	1	7.905839	7.868152	8.554181	8.173047	12.53924	18.51432	10.73941	10.61261	8.817913	13.87726	9.008091	12.5123	1.389007
STX6	1	13.13233	10.83826	11.49848	12.21731	3.959646	15.15431	12.49835	10.16637	8.709748	7.876915	10.3292	10.88114	1.053435
STX7	1	53.02583	55.46539	28.26014	32.66266	30.99989	69.07107	64.16469	69.9127	59.59032	55.02183	40.08278	63.55212	1.585522
STX8	1	14.24838	13.66432	6.884641	7.843596	24.53562	41.28443	22.62866	12.03826	10.82385	21.53469	13.43531	21.66198	1.612317
STXBP1	1	184.2074	200.6125	212.2832	183.9796	182.0874	107.8329	205.6405	136.0037	198.2292	275.9217	192.634	184.7256	0.958946
STXBP2	1	1.036981	0.845772	1.404969	2.38087	1.98024	2.663182	0.999751	0.818895	0.843832	0.39903	1.529767	1.144938	0.74844
STXBP3	1	12.7328	13.00122	12.24873	13.84531	10.16012	23.71886	21.41978	27.14844	52.85508	28.56172	12.39764	30.74077	2.479567
STXBP4	0.012965	3.567261	3.829532	4.376428	3.924668	2.179613	0.611208	0.609555	0.598386	1.302871	0.739118	3.5755	0.772228	0.215977
STXBP5	1	8.550723	12.27693	9.335126	7.994258	4.411596	4.218736	13.23483	14.31589	31.08677	11.49895	8.513727	14.87104	1.746713
STXBP5L	1	10.96222	13.95856	4.325583	1.925965	7.846538	8.314333	21.43063	26.66695	10.12955	9.33856	7.803774	15.17601	1.944701
STXBP6	1	24.33019	19.99209	12.76785	18.07679	18.19475	25.12138	24.24398	2.903788	6.965383	2.968642	18.67233	12.44063	0.66626
STYK1	1	0.130919	0.362898	0.069314	0.218607	0.107658	0.581331	2.065392	0	0.082037	0.039569	0.177879	0.553666	3.112597
STYX	1	2.068543	2.112939	2.254739	2.830604	1.486778	2.106557	2.320534	4.122706	6.570314	2.050774	2.150721	3.434177	1.596756
STYXL1	1	0.241468	0.098472	0.322274	0.184801	0.327633	0.702046	1.04047	2.478911	3.432838	0.345651	0.23493	1.599983	6.810476
SUB1	1	136.3655	137.1029	53.69549	64.22306	121.2964	154.3081	169.9614	121.4754	149.6834	94.62718	102.5367	138.0111	1.345968
SUCLA2	1	51.0457	57.09067	41.59225	43.92169	28.3431	50.84419	104.3816	58.36833	91.73177	54.93451	44.39868	72.05208	1.622843
SUCLG1	1	54.66233	61.02518	44.88131	41.16526	118.6765	82.09997	84.0826	65.40924	59.96079	89.97714	64.08212	76.30595	1.190753
SUCLG2	1	15.66939	10.196	8.099048	7.409785	14.03212	8.942236	4.534688	4.956017	8.100507	5.755312	11.08127	6.457752	0.582763
SUCNR1	1	0.062051	0	0	0.049554	0	0	0.021976	0.013364	0	0.017192	0.022321	0.010506	0.470692
SUCO	1	9.895093	9.917491	8.980157	9.112518	7.952569	11.54913	14.02002	19.21563	21.65952	10.28261	9.171566	15.34538	1.673147
SUDS3	1	23.46451	18.69566	9.92503	9.387846	2.432904	10.92072	8.21161	8.509151	9.429352	3.828636	12.78119	8.179894	0.639995
SUFU	1	2.767202	2.445666	5.833254	3.343639	0.424437	3.14819	4.857528	7.929033	4.04284	4.980014	2.96284	4.991521	1.684708
SUGCT	1	1.056548	1.148561	0.905732	0.626902	0.911049	2.377066	3.420123	3.1389	3.879531	1.263905	0.929758	2.815905	3.028642

SUGP1	1	24.41875	21.06674	16.29242	18.31569	36.08194	24.50081	14.24206	25.9243	19.49268	34.23413	23.23511	23.6788	1.019096
SUGP2	1	23.34226	24.7372	28.26037	25.01468	23.15805	15.74601	21.47865	31.09041	26.26532	23.49961	24.90251	23.616	0.948338
SUGT1	1	7.517653	9.946251	11.74938	9.756677	12.41766	26.30528	37.35549	20.82162	19.86562	7.503982	10.27752	22.3704	2.176633
SULF1	1	2.23411	1.69844	2.023918	2.313666	1.414052	1.339009	14.91179	1.048339	2.677687	0.181542	1.936837	4.031673	2.081576
SULF2	1	10.54779	7.567876	7.399883	9.11286	6.726693	8.678127	8.62394	2.527199	3.057825	5.82002	8.27102	5.741422	0.694161
SULT1A1	1	7.112143	1.715263	3.527753	4.346436	8.570517	16.84371	3.381202	11.12202	3.427452	7.274	5.054422	8.409676	1.663825
SULT1B1	1	0.234317	0	0	0.017011	0	0.148637	0	0	0	0	0.050266	0.029727	0.591407
SULT1C2	1	0	0	0	0.015372	0	0	0	0	0	0	0.003074	0	0
SULT1C3	1	0	0	0	0.049175	0	0	0	0	0	0	0.009835	0	0
SULT1C4_1	1	0.018181	0	0	0.021779	0	0	0	0	0.469944	0.151114	0.007992	0.124211	15.54209
SULT1C4_2	0.001903	3.607938	3.14059	3.505015	6.831433	2.260684	0	0.026033	0	0.348335	0.010183	3.869132	0.07691	0.019878
SULT1D1	1	0	0	0.045423	0	0	0	0	0	0	0	0.009085	0	0
SULT1E1	1	0	0	0	0	0.05573	0.107476	0.04364	0	0.530838	0	0.011146	0.136391	12.23673
SULT2A1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SULT2B1	1	0.344603	0.599959	1.160259	0.687997	1.831316	3.381416	1.250952	0.705064	0.222684	1.455983	0.924827	1.40322	1.517279
SULT4A1	1	122.57	120.4553	95.83868	114.5373	151.1147	96.59116	84.84732	38.77038	37.1872	66.61022	120.9032	64.80126	0.535977
SULT6B1	1	0	0	0.091966	0.025221	0	0	0	0	0	0	0.023437	0	0
SUMF1	1	5.597473	3.679982	5.299267	6.789124	9.033	7.334814	6.161235	7.221856	6.611564	5.606219	6.079769	6.587138	1.083452
SUMF2	1	2.581472	2.051863	2.848382	2.72599	2.880214	6.731307	6.498498	6.671666	7.11438	10.7805	2.617584	7.55927	2.88788
SUMO1	1	38.71926	42.75011	25.49302	27.22354	123.033	171.0629	115.6028	112.75	91.94929	90.48948	51.44379	116.3709	2.262098
SUMO2_1	1	45.08526	28.2267	29.69756	27.00368	115.6924	150.2004	166.9759	219.9338	184.3852	199.5029	49.14111	184.1997	3.748382
SUMO2_2	1	0	0	0	0	0	0	0	0	0.264551	0	0	0.05291	#DIV/0!
SUMO3	1	39.14442	33.52191	31.62025	34.32203	87.51878	6.626056	4.533916	4.423574	12.90902	27.79017	45.22548	11.25655	0.248898
SUN1	1	6.694563	7.029668	9.224603	8.985973	3.759675	8.457078	16.481	27.53772	16.04493	17.54254	7.138896	17.21265	2.411109
SUN2	1	10.11569	9.246747	20.30714	26.54422	22.11695	12.78343	14.59795	12.41843	15.16808	54.2562	17.66615	21.84482	1.236535
SUN3	1	0	0.052326	0.033731	0.055504	0.041912	0	0	0	0	0	0.036694	0	0
SUN5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SUOX	1	8.937525	6.858699	8.666828	9.011401	14.67852	4.966245	8.267662	6.042182	3.880046	4.961943	9.630595	5.623616	0.583932
SUPT16H	1	29.77829	29.15869	16.89113	15.50025	9.684713	19.03817	33.65506	37.81132	31.11478	34.77639	20.20262	31.27915	1.548272
SUPT20H	1	7.957339	12.00268	12.8847	13.17253	15.66179	19.02696	15.1197	30.52367	22.19702	21.3294	12.33581	21.63935	1.75419
SUPT3H	1	2.033009	2.164525	2.072776	2.15031	3.371849	1.203678	0.449419	0.888226	1.626373	0.905312	2.358494	1.014602	0.43019
SUPT4H1	1	16.01242	14.22355	4.0308	4.956253	45.07607	21.59968	24.67341	40.41349	6.343376	13.75572	16.85982	21.35713	1.266747
SUPT5H	1	36.34894	32.91207	43.37489	46.04325	62.63018	41.32318	30.82844	45.78718	35.00015	58.3654	44.26186	42.26087	0.954792
SUPT6H	1	25.19363	22.91106	26.28627	28.88461	13.92509	13.16498	18.19345	19.02662	16.22761	21.2682	23.44013	17.57617	0.749832
SUPT7L	1	5.338789	6.317098	4.667418	4.931025	5.338158	7.519765	7.981685	11.67425	4.122155	5.127092	5.318498	7.28499	1.369746
SUPV3L1	1	6.06828	5.209808	3.904287	3.307406	7.142126	2.234965	4.442477	3.336835	3.799411	3.35975	5.126382	3.434688	0.670002
SURF2	1	1.849996	1.508874	1.900446	1.772879	2.993574	1.434316	1.528779	1.36353	3.896366	9.886551	2.005154	3.621909	1.8063
SURF4	1	8.858023	8.827322	9.25112	10.24653	15.06726	9.461224	11.86063	9.964679	9.225096	13.89829	10.45005	10.88198	1.041333
SURF6	1	5.621945	5.084175	7.948974	8.652885	1.732268	2.344341	2.736714	1.649775	2.547392	10.33223	5.808049	3.92209	0.675285
SUSD1	1	1.499945	1.02273	0.912856	0.803203	0.360366	0.455716	0.536615	1.153392	0.348882	0.108566	0.91982	0.520634	0.566018
SUSD2	1	0.027338	0.012349	0.620922	0.615652	0.178044	0.114453	0.069709	3.70218	0.11306	0.22722	0.290861	0.845324	2.906283
SUSD3	1	1.166823	0.981266	2.141652	2.245289	1.852665	8.25009	1.635375	0.834099	1.411757	0.268249	1.677539	2.479914	1.478305
SUSD4	1	22.58909	23.39718	37.17252	20.32268	28.08865	8.661263	12.46771	24.00441	25.18111	46.92675	26.31402	23.44825	0.891093
SUSD5	1	1.266964	1.388708	1.162605	1.842908	1.979088	0.222872	0.147055	0.110064	0.385279	0.486708	1.528055	0.270395	0.176954
SUSD6	1	3.718254	3.611107	6.920341	5.200911	6.366281	5.85279	5.886561	5.963444	5.000718	6.757942	5.163379	5.892291	1.14117
SUV39H1	1	1.889519	1.321313	1.174843	2.384268	2.609386	2.815224	1.714648	2.519881	1.042861	2.582113	1.875866	2.134945	1.138112

SUV39H2	1	0.469759	0.541219	1.295374	0.971974	0.463554	0.695306	0.524315	1.103696	2.036003	0.836112	0.748376	1.039086	1.388455
SUZ12	1	7.451492	8.163885	6.074971	4.682695	4.541762	5.737122	9.558457	16.07182	16.82039	11.25194	6.182961	11.88795	1.922695
SV2A	1	82.24129	91.97284	99.63986	91.33466	115.6725	60.99237	115.8401	155.6033	81.39588	133.2773	96.17223	109.4218	1.137769
SV2B	1	57.51799	73.8611	30.47882	36.77852	61.91022	30.17227	78.33934	49.95781	75.86863	85.27732	52.10933	63.92308	1.226711
SV2C	1	4.19265	5.64464	6.799104	3.663691	0	0.163743	2.260536	0.283021	0.849187	0.22105	4.060017	0.755507	0.186085
SVBP	1	12.30409	12.91713	6.146596	6.440207	43.18083	38.99359	18.01821	18.6972	10.53911	12.17613	16.19777	19.68485	1.215281
SVEP1	1	0.291216	0.205307	3.334423	0.348845	0.095928	1.515217	0.647434	6.48654	3.1763	2.140662	0.855144	2.793231	3.266388
SVIL	1	3.77253	1.099713	3.137336	2.73149	0.837147	3.21916	1.626981	2.660807	3.448985	2.258251	2.315643	2.642837	1.141297
SVIP	1	11.11634	13.10173	6.743792	8.547201	3.321861	8.541634	11.69366	9.83303	18.52869	20.16565	8.566185	13.75253	1.605444
SVOP	1	60.36136	52.96488	39.4198	44.75361	77.51013	27.32859	51.6901	35.16112	21.75753	32.95241	55.00195	33.77795	0.614123
SVOPL	1	0.008828	0	0	0.010575	0	0	0.037517	0.045629	0.045636	0.073373	0.00388	0.040431	10.41911
SWAP70	1	8.851261	7.8488	7.936522	10.3042	9.184888	9.199069	15.00705	10.35845	10.92387	6.299972	8.825134	10.35768	1.173657
SWI5	1	6.880609	5.779343	6.203309	7.91959	11.16316	25.8851	8.273063	9.176046	8.60775	11.68209	7.589202	12.72481	1.676699
SWSAP1	1	1.148101	1.277206	1.534384	1.909003	3.255072	1.703872	1.966291	2.790056	1.328791	5.326785	1.824753	2.623159	1.437542
SWT1	1	1.792631	2.26847	1.501658	1.523759	1.426064	1.336532	2.713439	4.544102	4.367035	1.494058	1.702516	2.891033	1.698094
SYAP1	1	19.25949	17.78623	12.81409	11.88046	22.75272	14.8427	20.1708	18.46235	16.58646	19.9343	16.8986	17.99932	1.065137
SYBU	1	32.15067	31.52217	50.06583	54.63187	51.31025	34.9091	24.96674	73.01922	47.59082	81.51458	43.93616	52.40009	1.192642
SYCE1	1	0.113365	0.618784	0	0.045267	1.179274	1.087678	0	0	4.297762	0.565354	0.391338	1.190159	3.041255
SYCE1L	1	3.480757	3.539663	2.970621	3.117063	7.588601	0	0.07181	0	0.873507	0.575809	4.139341	0.304225	0.073496
SYCE2	1	0.114143	0.218142	0.153405	0.084142	0.285919	0.137849	0.783616	0.294996	0.771639	3.38619	0.17115	1.074858	6.280198
SYCE3	1	0	0.083997	0	0	0	38.53609	0.790266	0.865036	3.460646	6.120374	0.016799	9.954483	592.5467
SYCN	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SYCP1	1	0.051493	0.126876	0	0.04486	0.076219	0.097993	0.019895	0	0	0.124507	0.05989	0.048479	0.809469
SYCP2	1	0.122135	0.2995	0.426781	0.288429	0.179922	1.49749	1.749979	1.569237	11.56353	0.545278	0.263354	3.385103	12.85384
SYCP2L	1	0.02989	0.041256	0.072532	0.079567	0.090124	0	0.57869	0.686658	0.240365	0.62385	0.062674	0.425912	6.795711
SYCP3	1	0.079244	0.298303	0.259599	0.221494	0	0.345592	0	0.170668	0.136555	0.021955	0.171728	0.134954	0.785859
SYDE1	1	1.220242	0.459342	2.001682	2.501166	1.486422	7.237383	0.944987	0.742859	0.785022	1.577683	1.533771	2.257587	1.471919
SYDE2	1	0.110638	0.369628	0.5336	0.237455	0.050039	0.554882	1.244077	0.953129	1.024763	0.084296	0.260272	0.77223	2.967008
SYF2	1	32.38114	26.02501	12.36446	14.61794	23.16821	15.00412	12.22316	14.16281	14.30558	13.89068	21.71135	13.91727	0.641014
SYK	1	0.851389	0.852542	1.584612	1.150497	0.46663	2.546055	2.949908	0.661194	0.80222	0.139438	0.981134	1.419763	1.447063
SYMPK	1	6.392355	6.344207	15.70087	16.29589	10.582	14.02429	11.40781	16.29058	13.6465	27.33515	11.06307	16.54087	1.495143
SYN1	1	76.61799	79.8939	95.05031	128.5994	147.4508	178.3136	94.35742	59.50177	48.78851	134.3383	105.5225	103.0599	0.976663
SYN2	1	27.68847	19.14181	26.7037	27.87786	12.42053	32.2445	35.4409	42.72758	25.9497	26.40414	22.76648	32.55336	1.429882
SYN3	1	4.89766	6.230998	5.976267	4.508866	0.985053	1.636647	3.797412	2.554638	1.443508	2.172317	4.519769	2.320904	0.513501
SYNC	1	2.001078	1.734287	2.018167	1.959074	1.948402	0.939375	0.805232	0.171816	1.958991	1.370369	1.932202	1.049157	0.542985
SYNCRIP	1	13.7183	13.85482	9.784194	10.30615	8.848114	13.32101	18.34679	16.00522	21.94647	13.65156	11.30231	16.65421	1.473522
SYNDIG1	1	8.966356	11.65659	12.42079	9.534223	26.30459	5.944748	8.738014	4.207942	7.477523	44.03543	13.77651	14.08073	1.022083
SYNDIG1L	1	0.95163	1.664023	8.246249	10.86999	4.731644	3.727112	5.557695	10.13921	10.09308	11.86955	5.292708	8.277331	1.563912
SYNE1	1	9.005905	7.882675	36.31601	10.91896	4.730198	9.942636	9.799961	79.00998	45.02606	42.50508	13.77075	37.25674	2.705499
SYNE2	1	1.493582	1.177112	3.608585	1.886034	0.912766	2.068815	1.095406	1.556924	4.091182	3.09223	1.815616	2.380911	1.311352
SYNE3	1	1.004342	1.004284	2.780851	2.646436	0.675035	0.764812	0.376619	0.377697	0.868026	1.284469	1.62219	0.734325	0.452675
SYNE4	3.14E-06	0.161904	0.054852	0.141437	0.135761	0.527226	8.557704	2.236248	12.009	6.026298	7.347487	0.204236	7.235347	35.42643
SYNGAP1	1	23.71645	20.37087	12.24472	17.52878	30.02242	45.79314	30.94268	11.02748	6.2127	9.086739	20.77665	20.61255	0.992102
SYNGR1	1	50.61199	53.44922	62.61279	61.90798	58.70238	22.01263	39.77988	37.58395	44.78207	101.1418	57.45687	49.06007	0.853859
SYNGR2	1	3.348334	5.131755	17.97917	24.06569	12.70712	6.192313	4.734444	3.18816	3.253698	7.993347	12.64642	5.072393	0.401093
SYNGR3	1	31.18061	27.04398	42.18465	52.83438	103.5537	42.69201	27.42741	18.78744	13.07346	26.71487	51.35946	25.73904	0.501155

SYNGR4	1	0.011087	0.075122	0.145278	0.013281	0	0	0.023559	0.057306	0.114629	0.092149	0.048953	0.057528	1.175169
SYNJ1	1	37.49764	37.72966	40.90469	43.02267	14.55948	20.53507	40.27356	28.68674	33.72905	28.6749	34.74283	30.37987	0.874421
SYNJ2	1	6.614538	9.2834	13.35418	17.48077	7.877352	5.201161	9.158488	1.393633	1.373488	1.632487	10.92205	3.751852	0.343512
SYNJ2BP	1	5.539213	6.736655	7.551942	8.362945	5.336663	14.83732	10.8303	6.607283	12.03039	6.75618	6.705484	10.21229	1.522977
SYNM	1	10.09107	10.22702	13.51857	11.50922	6.500901	7.985362	15.40676	18.41622	12.89718	24.3969	10.36936	15.82048	1.525696
SYNPO	1	25.66413	21.92134	15.06224	29.9634	40.43116	17.22753	20.03794	5.400236	1.943902	5.468475	26.60845	10.01562	0.376407
SYNPO2	1	6.208811	5.941876	0.477854	0.588956	0.866184	2.276647	4.255586	0.432426	0.212917	0.059907	2.816736	1.447497	0.513891
SYNPO2L	1	0.002833	0.012798	0.086625	0.030544	0.038441	0.563416	0.114385	0.043933	0.571206	0.291997	0.034248	0.316987	9.255601
SYNPR	1	68.03009	42.62188	17.75099	29.18595	61.1477	48.35306	84.90951	45.5159	7.373951	17.63406	43.74732	40.7573	0.931652
SYNRG	1	10.57907	10.08497	12.70211	14.98931	7.408792	7.136558	9.317165	8.259944	11.15109	9.982731	11.15285	9.169497	0.822166
SYP	1	361.0224	353.5223	164.3061	197.3672	469.9061	161.3642	351.8337	195.3607	156.7192	297.0219	309.2248	232.4599	0.751751
SYPL1	1	19.88077	19.24812	24.02123	27.14362	26.12216	25.44802	27.27339	21.95009	29.84107	11.43774	23.28318	23.19006	0.996001
SYPL2	1	0.511885	0.21927	0.925189	1.067786	0.431096	0.554247	0.862682	0.045619	1.870632	4.870803	0.631045	1.640797	2.600126
SYS1	1	13.23821	12.90796	10.2284	12.49296	28.64707	5.905097	5.387336	5.014873	7.029166	10.36746	15.50292	6.740786	0.434808
SYT1	1	344.7211	392.7788	193.8042	187.7788	331.9682	159.5727	390.1257	349.1954	276.0436	321.4594	290.2102	299.2794	1.03125
SYT10	0.557194	0.477885	0.809517	0.678393	0.901617	0.745673	0	0.152322	0.308767	0.123525	0.03972	0.722617	0.124867	0.172798
SYT11	1	151.2934	149.0026	143.4089	183.444	105.6783	95.3395	206.2366	170.6898	166.6429	140.8699	146.5654	155.9557	1.064069
SYT12	1	11.23936	11.10462	13.35375	10.2942	2.854952	3.924919	20.00955	23.55566	21.64743	69.29717	9.769376	27.68695	2.834055
SYT13	0.760537	56.17618	57.96751	41.30755	43.6346	50.91494	14.48066	27.05629	8.967649	5.813565	9.635982	50.00016	13.19083	0.263816
SYT14	1	0.689249	1.65339	1.949809	1.27726	0.163189	0.702046	1.189389	3.843597	4.543637	2.925922	1.146579	2.640918	2.303302
SYT15	1	0.190388	0.013871	0.053652	0.073569	0.033332	0.032141	0	0	0.063499	0.224605	0.072963	0.064049	0.877833
SYT16	1	0.380957	1.903795	4.042055	3.072251	0.219783	2.087862	4.621244	0.907037	2.031439	4.836845	1.923768	2.896885	1.505839
SYT17	1	18.56808	13.78711	8.41845	18.12764	23.04898	11.07274	9.082429	1.75988	2.105877	3.213981	16.39005	5.446982	0.332335
SYT2	1	2.671614	4.634733	16.71787	14.03597	3.455263	0.555291	5.725361	8.834016	3.604646	9.310592	8.30309	5.605981	0.675168
SYT3	1	8.188464	8.560097	14.19178	17.67404	38.38694	11.00809	14.59052	10.09593	6.835161	19.70612	17.40026	12.44716	0.715343
SYT4	1	39.1107	44.81843	61.57792	44.17744	24.78639	12.81778	39.93928	128.1006	157.5216	123.1665	42.89418	92.30914	2.15202
SYT5	1	21.37661	23.42636	17.26894	39.03747	31.22428	65.1248	46.25855	25.31198	12.57326	24.11308	26.46673	34.67633	1.310185
SYT6	1	1.763129	5.287753	2.29908	3.698007	7.571162	2.872886	3.760285	1.201769	2.303726	3.11342	4.123826	2.650417	0.642708
SYT7	1	20.70249	20.5175	35.05795	31.17969	24.54684	28.75012	45.9267	34.48715	23.08708	49.23981	26.4009	36.29817	1.374884
SYT8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
SYT9	1	1.065114	0.473685	12.20723	4.697094	0.383677	1.701824	2.36346	21.69295	12.35252	19.80537	3.76536	11.58322	3.076259
SYTL1	1	0.440392	0	0.24045	0	0	0	0.038992	0.047424	1.802361	0.09151	0.136168	0.396057	2.908587
SYTL2	1	17.86387	21.96963	16.35393	13.364	10.93107	14.94723	21.2113	34.0235	3.723127	5.484058	16.0965	15.87784	0.986416
SYTL3	1	1.183429	1.202311	1.104924	2.007858	2.005655	0.27628	3.879596	5.8555	2.251568	0.936091	1.500835	2.639807	1.758892
SYTL4	1	2.182565	1.836013	2.265195	2.26004	1.882161	2.747293	1.811868	0.945601	0.526324	0.951993	2.085195	1.396616	0.669777
SYTL5	1	0.162371	0.327837	0.816681	0.324171	0.106817	0.643742	0.784158	0.063581	0.050873	0.130868	0.347575	0.334644	0.962797
SYVN1	1	8.895902	8.811649	15.99235	19.06779	16.63783	21.91544	34.46357	45.5185	17.52231	27.31638	13.8811	29.34724	2.114186
SZRD1	1	2.494242	2.33651	3.808955	4.229908	3.598225	3.788425	2.766835	3.253986	2.321968	2.54177	3.293568	2.934597	0.891008
SZT2	1	2.45244	2.343179	6.541804	6.684011	2.656606	7.492575	8.051264	13.83349	12.87687	8.675641	4.135608	10.18597	2.462992
T2R10C	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
T2R12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
T2R43P	1	0	0	0	0	0	0	0	0	0	0.043603	0	0.008721	#DIV/0!
T2R45P	1	0.104921	0	0	0.062842	0	0	0	0	0	0	0.033553	0	0
T2R65A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAAR1	1	0.004582	0	0.03002	0.027443	0	0	0	0	0	0	0.012409	0	0
TAAR2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TAAR3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAAR4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAAR5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAAR6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAAR8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAAR9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAB1	1	6.137794	5.457198	10.64949	10.90708	6.445065	3.961313	5.268285	8.874083	4.905558	10.23953	7.919326	6.649755	0.839687
TAB2	1	14.54547	12.789	12.58789	14.37254	11.845	11.11654	9.88995	15.91158	15.86925	7.822965	13.22798	12.12206	0.916395
TAB3	1	3.742143	5.335355	5.567648	3.530118	0.253874	0.611996	1.838869	2.055163	3.748196	1.866207	3.685828	2.024086	0.549154
TAC1	1	2.482594	2.564736	5.908156	6.494536	8.761049	49.34717	27.86729	0.115087	1.035937	0	5.242214	15.6731	2.989786
TAC3	1	0	0.05192	1.104489	3.001503	0.374285	4.571465	0.635018	2.673458	0.118838	0.840688	0.906439	1.767893	1.950371
TAC4	1	0.050127	0	0.145967	0.020016	0	0	0	0	0	0.027776	0.043222	0.005555	0.128527
TACC1	1	19.48	20.86074	34.8647	45.29954	22.92014	16.28605	11.9378	14.59546	24.66569	19.41351	28.68502	17.3797	0.605881
TACC2	1	5.295665	4.36712	4.816295	4.944699	4.51451	3.747725	5.138775	4.522568	4.33812	8.342247	4.787658	5.217887	1.089862
TACC3	0.182784	2.617426	2.175319	2.771566	3.210051	2.967201	0.385437	0.204659	0.175704	0.732205	0.546234	2.748313	0.408848	0.148763
TACO1	1	2.145101	1.32135	1.507004	1.491448	0.081414	7.771856	10.6465	5.81527	8.530303	8.27881	1.309263	8.208547	6.269593
TACR1	1	0.272235	0.412415	0.420535	0.688009	0.333341	0.625475	1.389775	0.240245	0.034326	0.011038	0.425307	0.460172	1.081976
TACR2	1	0.068026	0.089626	0.148566	0.088279	0.076917	0	0	0	0.263753	0.028271	0.094283	0.058405	0.619462
TACR3	1	0.042395	0	0.524668	0.211602	0	0.221866	0.165159	0.255656	0.073055	0.023491	0.155733	0.147845	0.949353
TACSTD2	1	0.290633	0.022635	0.043775	0.07203	0	0.524474	1.448118	0.259008	0.051809	0.133277	0.085815	0.483337	5.632344
TADA1	1	6.919272	6.762808	7.141944	7.686646	7.220061	6.250677	6.896456	15.34912	9.496118	13.98058	7.146146	10.39459	1.454573
TADA2A	1	14.73321	15.66953	9.203749	10.05653	21.96812	18.61124	21.34349	16.96144	14.33751	18.02597	14.32623	17.85593	1.24638
TADA2B	1	7.859003	7.59354	7.487753	9.755553	7.70598	2.06265	3.70326	3.252238	1.620218	6.59924	8.080366	3.447521	0.426654
TADA3	1	18.49415	16.19035	18.62052	24.04313	42.45187	18.75697	14.92758	13.22974	9.591324	20.80405	23.96	15.46193	0.645323
TAF1	1	4.574145	5.156996	6.933281	5.965835	3.233828	10.27767	8.358485	22.82031	11.40442	5.901706	5.172817	11.75252	2.271976
TAF10	1	30.34401	27.891	26.96916	35.49606	164.1544	92.24799	29.99653	19.098	24.11394	60.80776	56.97092	45.25284	0.794315
TAF11	1	23.29232	22.80148	12.40398	17.35866	46.26486	30.61901	33.89541	17.8537	10.62007	12.99024	24.42426	21.19569	0.867813
TAF12	1	7.587226	6.679891	6.84066	6.024248	14.83238	10.44906	7.636961	5.482711	5.935092	4.563734	8.392881	6.813512	0.81182
TAF13	1	31.41182	31.53364	17.37996	18.33356	27.29658	29.5859	25.40611	26.25994	31.26639	30.33111	25.19111	28.56989	1.134126
TAF15	1	52.59441	46.89376	32.77868	31.45845	35.14763	39.89642	34.6098	41.37541	30.99502	23.48437	39.77458	34.0722	0.856633
TAF1A	1	2.573249	2.845264	2.549914	2.465984	4.252306	6.632831	4.57029	4.08951	8.696437	1.787653	2.937343	5.155344	1.755104
TAF1B	1	6.908601	7.174377	2.935622	3.535193	6.154127	7.270293	10.77097	8.966257	12.77198	10.51072	5.341584	10.05804	1.88297
TAF1C	1	0.947732	0.868115	2.495269	2.390399	2.128905	1.515491	1.040506	1.768981	2.2864	4.866378	1.766084	2.295551	1.299797
TAF1D	1	10.21238	9.676462	6.163626	6.813728	12.94854	24.74292	14.40536	25.56617	19.25262	4.498014	9.162946	17.69302	1.930931
TAF2	1	16.88773	16.19368	16.79582	16.60436	8.914899	6.462158	10.23114	10.31033	13.13954	9.854964	15.0793	9.999627	0.663136
TAF3	1	6.016503	5.290385	4.110918	4.689477	2.548779	2.377087	2.977386	4.367336	4.139126	4.722366	4.531212	3.71666	0.820235
TAF4	1	2.325883	2.87434	4.076363	4.233774	2.538149	5.956101	3.262676	7.369494	5.947801	4.313573	3.209702	5.369929	1.673031
TAF4B	1	1.156793	1.075837	1.040279	0.986303	0.240053	0.712221	2.458128	1.741041	1.301574	1.097228	0.899853	1.462038	1.624752
TAF5	1	3.308489	3.592592	2.122207	2.127112	4.206546	2.391325	2.986679	4.350044	3.498482	3.46142	3.071389	3.33759	1.086671
TAF5L	1	6.022917	6.079289	6.814151	7.243733	6.599919	3.632053	4.142166	6.270027	3.307062	5.838718	6.552002	4.638005	0.707876
TAF6	1	4.965675	5.646619	8.148241	8.114303	5.995898	14.34387	9.528309	8.3482	8.082629	22.43169	6.574147	12.54694	1.908527
TAF6L	1	3.511732	3.635335	6.936373	6.763685	6.119553	3.603538	5.102865	6.095071	8.587736	11.63242	5.393335	7.004325	1.2987
TAF7	1	35.79474	39.80556	27.32609	29.23062	49.16126	33.68691	62.61618	74.54689	34.88641	94.41559	36.26366	60.0304	1.655387
TAF7L	1	0.445984	0.727498	0.154605	0.15264	1.325516	0.815041	0.43624	1.573418	0.622139	0.282428	0.561249	0.745853	1.328918
TAF8	1	2.783486	2.493371	5.653917	4.74666	1.44127	1.571653	1.50085	2.163159	1.81128	2.130954	3.423741	1.835579	0.536133
TAF9	1	3.847988	5.62635	3.06667	3.752279	4.14023	7.136547	8.750589	6.595042	7.119494	2.42399	4.086703	6.405132	1.56731

TAF9B	1	3.109096	2.53459	2.991907	3.340291	0.922804	6.864293	6.524088	7.733958	5.926882	3.230221	2.579737	6.055888	2.347482
TAGAP	1	0.701077	0.617936	0.634856	0.355044	0.340283	4.265545	3.803109	0.854389	0.117864	0.1516	0.529839	1.838501	3.469923
TAGLN	1	13.78105	2.815262	24.62226	23.58798	14.252	94.47524	37.20025	31.70723	55.89393	236.1412	15.81171	91.08357	5.760514
TAGLN2	1	10.42833	5.204665	21.31789	22.09787	24.07432	89.49245	22.18593	18.10599	18.77932	42.16766	16.62462	38.14627	2.294565
TAGLN3	1	61.8568	72.28034	40.85773	49.92178	104.0538	213.0493	171.235	86.25863	63.31571	115.7745	65.79409	129.9266	1.974746
TAL1	1	0.544928	0.502029	1.576361	1.176695	0.499404	6.879305	1.87404	1.185966	0.852537	0.278112	0.859883	2.213992	2.574759
TAL2	1	0.060067	0.101751	0.087456	0.239845	0.027167	0.157175	0.425463	1.060801	0.569293	0.266269	0.103257	0.4958	4.80161
TALDO1	1	36.93484	33.57646	23.15929	29.63982	26.53228	30.71453	25.67971	27.71637	40.13252	58.29376	29.96854	36.50738	1.21819
TAMM41	1	1.175312	0.63982	1.237346	0.830299	0.817797	1.419414	1.613755	1.822516	0.93476	0.661273	0.940115	1.290343	1.372538
TANC1	1	2.325094	2.607037	9.382611	8.54662	2.370994	2.41626	0.932707	5.671966	7.685027	10.20134	5.046471	5.38146	1.066381
TANC2	1	11.13273	11.65546	8.861695	11.36763	12.69572	8.910997	15.89043	6.001217	3.749377	4.13539	11.14265	7.737483	0.694403
TANGO2	1	3.025421	2.982977	6.327856	8.028848	8.241574	7.916509	8.110262	5.022222	4.210858	13.25016	5.721335	7.702003	1.34619
TANGO6	1	3.454514	3.3902	3.602245	3.281371	2.310595	3.768498	6.317111	5.029857	6.740989	3.647736	3.207785	5.100838	1.590143
TANK	1	8.11986	8.784941	6.08374	7.951779	7.679953	5.001562	6.643533	3.140139	5.055593	2.50007	7.724055	4.468179	0.578476
TAOK1	1	12.66491	14.99482	12.5165	11.47555	11.84638	13.51419	15.7167	14.53897	16.72727	9.849471	12.69963	14.06932	1.107853
TAOK2	1	14.82367	12.07583	18.55277	21.44563	13.78771	13.34774	13.17187	18.0133	16.56001	19.73463	16.13712	16.16551	1.001759
TAOK3	1	17.57633	17.00964	10.21898	10.79555	11.85043	9.979587	12.89904	14.2852	12.62964	7.518768	13.49018	11.46245	0.849688
TAP	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAP1	1	0.878084	0.813275	0.951952	0.74916	2.262831	3.967165	0.993348	1.469368	2.873848	5.838671	1.13106	3.02848	2.677558
TAP2	1	0.560515	0.591889	0.763102	1.002796	1.066712	4.380988	1.670585	3.518073	4.515831	9.571741	0.797003	4.731443	5.936547
TAPBP	1	11.85403	7.912861	21.34686	22.26754	13.26222	34.78538	48.4408	17.65398	11.70212	21.20785	15.3287	26.75803	1.745616
TAPBPL	1	1.350465	0.503634	1.989105	2.219653	1.534068	2.498252	1.868622	3.490199	1.526169	1.754172	1.519385	2.227483	1.466043
TAPT1	1	8.864483	9.876312	8.116143	8.199723	11.4807	6.328751	5.066053	6.369884	9.645526	5.877699	9.307472	6.657582	0.715294
TARBP1	1	10.47079	11.81234	14.60377	10.71226	6.815855	9.432596	10.35584	30.58553	19.05141	35.85114	10.883	21.0553	1.934696
TARBP2	1	3.354101	5.022959	10.44186	8.297747	17.41238	10.90255	6.264051	17.17544	15.34706	15.86112	8.905809	13.11005	1.472078
TARDBP	1	26.524	35.18147	30.87638	25.46164	9.996862	30.26439	37.07259	71.92695	56.91752	31.03522	25.60807	45.44333	1.774571
TARM1	1	0	0.010938	0	0.179841	0.065711	0	0	0	0	0.040253	0.051298	0.008051	0.156937
TARP	1	0.012613	0	0.027546	0	0	0	0	0	0	0	0.008032	0	0
TARS	1	27.12794	30.06743	20.80876	24.87666	23.32488	15.45054	28.28807	20.53202	26.32782	25.29731	25.24113	23.17915	0.918309
TARS2	1	11.07248	10.62287	11.38739	12.12252	14.11188	10.38017	9.065207	13.51122	12.34744	17.06739	11.86343	12.47429	1.051491
TARSL2	1	18.66724	20.61788	11.10397	14.51299	22.37853	3.801135	12.36836	11.50562	8.352683	9.240358	17.45612	9.05363	0.518651
TAS1R1	1	0	0.013116	0.050732	0.027826	0	1.30684	1.061263	0.315183	0.030022	0.492339	0.018335	0.641129	34.96767
TAS1R2	1	0	0	0.195784	0.071591	0	0.078191	0	0	0	0	0.053475	0.015638	0.292441
TAS1R3	1	0.066516	0.060094	0.58834	0.258958	0.225629	0.10443	0.070672	0.403983	0.911243	1.371097	0.239907	0.572285	2.385441
TAS2R1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAS2R10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAS2R16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAS2R3	1	0	0	0	0.047313	0	0	0	0	0.102093	0.032829	0.009463	0.026984	2.85166
TAS2R38	1	0	0	0	0	0	0	0	0	0	0.059751	0	0.01195	#DIV/0!
TAS2R39	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAS2R4	1	0	0.047608	0.138103	0	0	0	0	0	0	0	0.037142	0	0
TAS2R40	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAS2R41	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAS2R42	1	0	0	0.087363	0.119795	0	0	0	0	0	0.066496	0.041432	0.013299	0.320995
TAS2R46	1	0.081834	0	0	0.049014	0	0	0	0	0	0	0.02617	0	0
TAS2R5	1	0	0	0	0	0	0	0	0	0.110581	0	0	0.022116	#DIV/0!

TAS2R60	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAS2R7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAS2R8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TAS2R9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TASP1	1	5.815845	4.868939	2.040299	2.879176	2.820817	3.443012	5.713186	3.287262	2.924955	2.632053	3.685015	3.600093	0.976955
TAT	1	0.168533	0.047581	0.172532	0.069398	0.171504	0	0.022383	0.081668	0.871254	0.113814	0.12591	0.217824	1.730002
TATDN1	1	12.52489	13.22672	6.253921	5.485311	16.8717	21.73644	24.91536	19.23523	10.26917	6.304056	10.87251	16.49205	1.516858
TATDN2	1	2.937927	2.995633	4.878522	5.453499	3.788617	2.684295	3.850247	3.066969	1.882812	3.264285	4.01084	2.949722	0.735437
TATDN3	1	7.589458	9.31719	7.55381	5.766222	14.79633	2.017611	2.293857	4.241747	16.57085	17.4686	9.004602	8.518533	0.94602
TAX1BP1	1	43.76209	45.67308	29.23924	30.96265	16.29769	28.56764	57.46002	40.80579	54.92172	28.40076	33.18695	42.03119	1.266497
TAX1BP3	1	6.063459	3.562001	9.782359	10.45513	12.74128	11.15522	6.243342	5.769485	4.095069	2.226586	8.520846	5.89794	0.692178
TAZ	1	2.786723	2.685767	4.2226	3.599165	11.67592	2.137696	2.739003	3.777012	2.346311	2.459582	4.994035	2.691921	0.539027
TBATA	1	0	0.039168	0.075746	0.041547	0	0	0	0	0	0.028827	0.031292	0.005765	0.184247
TBC1D1	0.094599	5.829539	5.896402	12.19554	7.755602	8.458767	3.798116	1.536646	1.740733	2.078387	1.00682	8.027171	2.03214	0.253158
TBC1D10A	1	2.738075	1.665827	4.590165	5.497336	2.877908	4.187772	5.080744	5.656136	4.485694	9.824392	3.473862	5.846947	1.683126
TBC1D10B	1	14.66806	15.09505	25.57985	32.95786	40.99047	25.08502	18.40791	18.4088	13.22442	23.9043	25.85826	19.80609	0.765948
TBC1D10C	1	0.152755	0.099873	0.316053	0.231139	0.218173	0.168299	0.034168	0.041557	0.540314	0.240566	0.203599	0.204981	1.006789
TBC1D12	1	5.448629	8.614436	13.41992	18.54971	8.720028	16.83199	13.99354	13.36051	13.78762	6.367062	10.95054	12.86814	1.175115
TBC1D13	1	9.578984	9.440515	20.5137	18.5553	24.57224	21.5282	10.68734	14.55511	10.20272	10.7459	16.53215	13.54385	0.819243
TBC1D14	1	10.97706	10.00742	9.458484	13.31478	12.69344	7.027054	9.34027	7.472076	5.377032	5.2701	11.29024	6.897306	0.610909
TBC1D15	1	8.820216	10.55075	8.478177	7.813221	4.4059	8.614402	17.96655	21.02399	12.28514	9.759196	8.013653	13.92986	1.738265
TBC1D16	1	3.218038	2.451389	7.049495	4.833275	3.101705	3.671143	2.387104	4.259843	5.439697	4.542142	4.13078	4.059986	0.982862
TBC1D17	1	10.68951	9.028648	16.55259	22.31076	14.50391	15.57822	11.81479	15.90439	8.17401	20.69411	14.61709	14.4331	0.987413
TBC1D19	1	9.732498	11.93117	5.468894	7.035301	12.39976	6.518658	12.4251	9.323989	7.139978	4.999506	9.313526	8.081446	0.867711
TBC1D2	1	0.598719	1.2297	1.44522	1.245667	1.168664	0.568024	0.751445	2.017897	0.796416	0.814842	1.137594	0.989725	0.870016
TBC1D20	1	8.96947	8.677708	9.095755	9.850221	11.95685	14.83404	11.77215	14.21618	8.414885	12.391	9.710001	12.32565	1.269377
TBC1D21	1	0	0.149625	0.048227	0	0	0	0	0	0	0	0.03957	0	0
TBC1D22A	1	1.365882	1.512372	2.563544	2.262533	0.723937	4.076656	3.061158	1.861547	2.123852	4.443541	1.685654	3.113351	1.84697
TBC1D22B	1	4.81561	5.325984	5.3843	5.962966	7.542499	6.382596	8.786972	7.048038	6.873175	8.48372	5.806272	7.5149	1.294273
TBC1D23	1	16.93572	21.26405	13.39019	13.85354	15.98082	12.59628	25.38785	29.42576	22.98323	10.43353	16.28486	20.16533	1.238287
TBC1D24	1	3.547525	4.289304	7.279146	7.16555	5.876586	3.072561	3.48365	6.186173	4.879616	4.864883	5.631622	4.497377	0.798594
TBC1D25	1	2.816745	2.525548	3.836338	5.246636	5.753789	6.155562	4.883726	4.099841	2.640282	6.213145	4.035811	4.798511	1.188983
TBC1D2B	1	1.957175	1.591658	3.756897	2.458763	2.196269	1.755404	1.628248	3.547108	1.51132	1.652317	2.392152	2.018879	0.843959
TBC1D30	1	7.342816	7.670998	4.818283	4.394595	7.632202	6.786484	13.05031	3.496543	4.440241	4.409354	6.371779	6.436587	1.010171
TBC1D31	1	3.581947	3.043962	2.976929	2.338758	4.950501	4.317634	2.537152	4.794215	5.404211	3.356266	3.37842	4.081896	1.208226
TBC1D32	1	1.706223	2.15849	2.205929	1.727427	1.728918	1.040929	2.245385	2.690761	3.325783	1.358743	1.905397	2.13232	1.119095
TBC1D4	1	5.591436	7.98635	4.526619	4.902327	3.622944	7.706304	4.218923	3.997016	2.091051	1.586494	5.325935	3.919957	0.736013
TBC1D5	1	8.726272	8.779981	5.076808	6.368163	8.663316	2.789409	4.993001	4.327321	2.827594	0.858205	7.522908	3.159106	0.419931
TBC1D7	1	5.517784	5.153169	4.222308	3.926993	7.608925	4.210483	2.806859	1.675868	2.421051	2.085997	5.285836	2.640052	0.499458
TBC1D8	1	4.46854	3.558617	5.070478	3.248719	5.958253	3.617386	7.344049	19.47199	14.81894	14.8091	4.460922	12.01229	2.692783
TBC1D8B	1	1.059345	0.675186	0.494406	0.737053	0.338665	1.579632	1.091607	1.680194	1.140298	0.381145	0.660931	1.174575	1.777152
TBC1D9	1	30.20453	28.59293	34.9853	29.46122	15.09677	23.13962	36.60454	57.31469	47.12124	33.49743	27.66815	39.53551	1.428918
TBC1D9B	1	18.48348	17.45313	23.63649	23.64817	19.861	13.88248	17.89124	17.35145	15.51608	20.83802	20.61646	17.09585	0.829233
TBCA	1	38.83074	42.02462	20.64692	20.21735	113.2941	209.6889	86.55814	107.079	113.8188	98.56477	47.00275	123.1419	2.619888
TBCB	1	47.14343	40.35006	32.48805	38.21923	104.2245	105.2392	54.19504	33.03505	55.67346	110.1571	52.48506	71.65997	1.36534
TBCC	1	14.642	17.92791	11.50016	12.47975	28.05967	3.746014	8.945511	5.494881	8.756451	11.86363	16.9219	7.761298	0.458654

TBCCD1	1	4.782002	4.616313	3.855936	4.767635	3.102084	6.640133	7.681545	6.202608	9.034539	4.685998	4.224794	6.848965	1.621136
TBCD	1	5.89511	7.065254	7.93165	9.921975	4.954944	12.47483	11.15389	16.90537	10.33141	25.47639	7.153786	15.26838	2.134307
TBCE	1	15.49489	14.73291	11.86353	10.57137	17.06087	18.73455	25.03501	15.604	26.28667	13.98909	13.94472	19.92987	1.429206
TBCEL	1	7.963786	8.760512	5.769713	5.218492	4.189483	7.599472	10.88658	9.14534	9.311297	7.030026	6.380397	8.794542	1.378369
TBCK	1	9.863756	8.637978	6.691452	5.561618	5.000427	3.3279	8.437737	7.498289	6.705548	3.916025	7.151046	5.9771	0.835836
TBK1	1	13.9162	15.78631	9.462766	8.994004	8.800753	9.168313	15.51133	13.31362	10.53924	7.237306	11.39201	11.15396	0.979104
TBKBP1	1	6.766828	6.743459	12.31726	14.55038	15.81677	16.73246	3.229082	6.523586	4.560584	14.68183	11.23894	9.145509	0.813734
TBL1X	1	16.06875	15.77495	20.3888	18.31275	13.53128	11.09434	10.90238	9.607306	11.13941	10.27434	16.81531	10.60356	0.630589
TBL1XR1	1	18.69498	21.74596	14.19989	13.89211	12.53731	15.74888	26.90225	33.35088	41.03719	20.70183	16.21405	27.5482	1.699033
TBL2	1	2.74819	2.212217	5.545043	4.408371	1.574113	3.135215	5.516456	6.414404	4.52269	3.287989	3.297587	4.575351	1.387485
TBL3	1	5.278384	5.082816	12.01763	15.19835	9.271921	9.625191	7.641701	9.197509	6.416003	16.69131	9.369821	9.914344	1.058114
TBP	1	3.016945	3.344621	2.91498	2.951733	5.850917	9.91958	11.32809	9.225916	7.961573	8.914399	3.615839	9.469911	2.619007
TBPL1	1	21.86296	25.52451	3.345893	2.893153	23.80329	12.57665	17.91155	15.04588	5.186849	3.245851	15.48596	10.79336	0.696977
TBPL2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TBR1	1	8.701837	13.00695	2.164824	6.231209	0.92837	6.197421	15.41535	0	0	0	6.206639	4.322554	0.69644
TBRG1	1	18.64792	17.14267	14.03522	17.66618	27.54222	37.2271	22.34401	17.23891	10.02408	10.18567	19.00684	19.40395	1.020893
TBRG4	1	8.561529	7.348124	8.958062	9.957452	16.5378	8.309344	7.492133	9.112212	9.41531	16.354	10.27259	10.1366	0.986762
TBX1	1.16E-06	0.008805	0.02983	0	0	0.047787	4.515742	1.02905	0.955744	1.228992	2.61997	0.017285	2.069899	119.7546
TBX10	1	0	0	0	0	0	0	0	0	0.461602	0.115447	0	0.11541	#DIV/0!
TBX15	1	2.786913	0.029493	0.114071	0.044691	0.030373	0.078098	0.095133	0.096421	0.347165	0.992295	0.601108	0.321822	0.535382
TBX18	1	2.056696	0.209561	0.878085	0.490888	0	0.445101	0.1643	0.239793	0.439685	0.064265	0.727046	0.270629	0.372231
TBX19	1	0.297027	0.335434	0.265859	0.600789	0.700325	0.127413	0.10347	0.390117	0.176208	0.169982	0.439887	0.193438	0.439745
TBX2	1	0.18933	0.244356	0.642386	0.583194	0.110096	1.150067	0.395133	0.279608	0.838945	0.556398	0.353872	0.64403	1.81995
TBX20	1	0	0	0.053062	0	0	0	0.051628	0	0	0	0.010612	0.010326	0.97298
TBX21	1	0.013815	0	0.120682	0	0.037488	0	0.014678	0.053554	0.035708	0.011482	0.034397	0.023084	0.671121
TBX22	1	0	0	0	0	0	0	0.258809	0.062955	0	0	0	0.064353	#DIV/0!
TBX3	1	0.580134	0.314472	0.962913	0.843193	0.451298	7.792484	0.986205	0.799639	1.419567	1.047956	0.630402	2.40917	3.821642
TBX4	1	0.016528	0	0.024064	0.013199	0	0	0	0	0	0	0.010758	0	0
TBX5	1	0.049528	0.022373	0.324499	0	0	0	0.042097	0	0.614496	0	0.07928	0.131319	1.656393
TBX6	1	0.242979	0.177552	0.468227	0.61637	0.155145	0.598396	0.698549	1.145115	1.330005	2.090843	0.332055	1.172582	3.531291
TBXA2R	1	0.492227	0.281852	0.984159	0.689292	0.997103	0.290252	0.029464	0.053752	0.10752	0.080672	0.688927	0.112332	0.163053
TBXAS1	1	0.398716	0.232899	0.585524	0.63408	0.429062	6.511661	3.315964	1.456854	1.101684	0.948487	0.456056	2.66693	5.847809
TBXT	1	0	0.03243	0	0	0	0	0	0.074217	0	0.190949	0.006486	0.053033	8.176507
TC2N	1	0.140189	0.094	0.229625	0.094461	0.047553	0.389753	0.595787	0.769907	1.449448	0.691838	0.121166	0.779347	6.432083
TCAF1	1	81.60143	86.51495	63.36065	66.82759	89.64044	43.98548	70.40771	62.73684	66.63447	49.95214	77.58901	58.74333	0.757109
TCAF2	1	0.39524	0.194292	0.477293	0.406615	0.58044	0.705697	0.187735	0.060087	0.120191	0.23189	0.410776	0.26112	0.635674
TCAIM	1	9.507005	11.05224	7.749184	8.612499	11.32418	2.732892	5.231293	4.904422	10.53339	4.782223	9.649023	5.636844	0.584188
TCAM1	1	0.069688	0.134912	0.19568	0.113292	0.270157	0	0	0	0	0	0.156746	0	0
TCAP	1	21.40496	16.29861	12.6898	36.77735	28.68696	0.392361	0.159315	0.193765	15.50345	22.68286	23.17154	7.78635	0.336031
TCEA1	1	19.71311	17.44366	17.61886	18.589	19.8295	20.15267	26.19419	33.82286	26.50615	34.36713	18.63883	28.2086	1.513432
TCEA2	1	41.08979	37.34547	29.87003	36.8666	79.11244	44.989	14.04417	15.37902	26.68921	82.39992	44.85687	36.70026	0.818164
TCEA3	1	0.523262	0.35136	0.617721	0.457404	0.460528	0.518076	3.365771	1.75439	2.339527	5.383585	0.482055	2.67227	5.543493
TCEAL1	1	12.17279	13.21377	8.436638	8.942459	27.10051	25.61169	26.92235	21.89352	13.54899	16.22949	13.97323	20.84121	1.491509
TCEAL4	1	62.05738	49.28827	34.25506	35.94372	61.21738	120.9845	98.13357	84.10454	84.61033	109.4177	48.55236	99.45012	2.048307
TCEAL7	7.24E-10	0	0	0	0	0	85.63576	50.31359	13.93669	8.010756	5.15183	0	32.60973	#DIV/0!
TCEAL8	1	17.47205	13.37383	14.80872	14.60165	25.46117	8.665057	9.951975	9.251178	7.173763	5.793148	17.14348	8.167024	0.476392

TCEAL9	1	5.363277	4.33538	4.397583	3.674441	5.515265	3.545405	13.07621	19.50279	27.92077	20.49014	4.657189	16.90706	3.630315
TCEANC	1	1.22484	0.937515	1.18889	1.891094	2.843707	0.569777	0.34703	0.738624	0.211066	1.561004	1.617209	0.6855	0.423878
TCEANC2	1	2.260477	1.675607	1.435367	1.944376	3.999385	3.543734	2.031394	1.183857	3.809484	1.589146	2.263042	2.431523	1.074449
TCERG1	1	23.4879	23.66125	16.21177	12.7419	11.23632	24.85793	31.50185	36.89429	42.12351	40.2573	17.46783	35.12698	2.010953
TCERG1L	1	1.431726	1.41475	0.689743	0.617925	3.685259	4.407466	4.451668	0.163245	1.959222	0.227501	1.567881	2.241821	1.429841
TCF12	1	13.0725	13.66475	20.73853	25.66198	11.30201	16.6539	13.12701	19.83174	19.75553	6.075597	16.88795	15.08876	0.893463
TCF15	1	0.446738	0.201802	0.546369	1.284348	1.89119	1.776825	0.41769	2.216774	1.293306	2.851692	0.874089	1.711258	1.957761
TCF19	1	0.015325	0.017307	0.033469	0.036716	0	0.160402	0.113978	0.079214	0.15845	0.063688	0.020563	0.115146	5.599593
TCF20	1	4.560715	5.327488	6.034615	6.735165	2.774994	4.661663	7.226824	8.62378	6.032459	5.526151	5.086595	6.414176	1.260996
TCF21	1	0.075365	0	0	0	0	0	0.064058	0	0.155843	0.050113	0.015073	0.054003	3.582769
TCF23	1	0.070693	0.053223	0	0.084683	0	0	0	0	0	0	0.04172	0	0
TCF24	1	0.156507	0.504242	0.331753	0.468698	0.562115	0	0	0	0	0.053564	0.404663	0.010713	0.026473
TCF25	1	18.58565	17.37315	21.34282	22.73804	25.80801	23.81995	13.15662	19.77853	15.08116	35.46684	21.16954	21.46062	1.01375
TCF3	1	1.973411	2.077372	4.852936	4.536926	3.650872	1.084472	0.51486	0.91457	1.45034	2.39543	3.418303	1.271934	0.372095
TCF4	1	38.21756	45.72503	17.74589	16.54636	15.58057	21.39384	22.16958	28.75009	37.14778	23.77845	26.76308	26.64795	0.995698
TCF7	1	0.753936	0.40665	0.860147	1.213167	0.870285	3.23892	0.526055	0.66889	0.494469	0.748235	0.820837	1.135314	1.383117
TCF7L1	1	1.41179	0.988799	3.112941	3.130299	1.676121	2.237821	0.605766	2.490933	2.947449	1.681169	2.06399	1.992627	0.965425
TCF7L2	1	2.04751	1.622333	9.86413	12.53238	2.018054	2.809061	3.05265	1.069433	2.078634	0.973397	5.616882	1.996635	0.35547
TCFL5	0.000105	9.33908	9.60898	10.63742	10.19258	9.2685	4.524584	2.455623	3.05299	7.832723	5.549606	9.809312	4.683105	0.477414
TCHH	1	0.313131	0.039291	0.045591	0.033342	0.028324	0.728318	0.621028	0.494553	0	0	0.091936	0.36878	4.011272
TCHHL1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TCHP	1	12.3128	10.91962	6.776406	5.760528	6.842836	6.03406	7.609193	7.328565	9.13478	8.710771	8.522437	7.763474	0.910945
TCIM	1	23.69968	9.676159	3.969359	5.373827	12.83914	21.58982	3.616893	2.311339	3.653938	2.062156	11.11163	6.646828	0.598186
TCIRG1	1	1.871733	1.017736	4.579842	4.511956	3.699714	3.325597	2.135978	3.150275	1.88148	10.15061	3.136196	4.128788	1.316495
TCL1A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TCL1B	1	0	0	0.056968	0	0	0	0	0.067414	0	0	0.011394	0.013483	1.183374
TCN1	1	0	0	0.282096	0.402294	0	0	0	0	0.734521	0	0.136878	0.146904	1.073251
TCN2	1	5.120979	4.89189	11.52096	14.04583	8.582754	13.47752	4.640221	4.171364	3.405065	5.514069	8.832484	6.241647	0.70667
TCOF1	1	8.37981	8.153455	9.923936	11.40466	6.056395	3.485905	2.529865	3.16596	2.256074	3.022736	8.783652	2.892108	0.32926
TCP1	1	69.19922	59.18216	47.47554	48.65156	61.77748	53.39819	81.49401	69.74743	52.0601	60.2113	57.25719	63.38221	1.106974
TCP11	1	0.164056	0.507478	0.124623	0.162344	0.077425	1.381162	0.575967	0.20278	0.036874	0	0.207185	0.439357	2.120596
TCP11L1	1	24.58894	25.69887	18.70817	20.24555	18.31548	5.971768	12.71617	14.73879	15.44094	7.102428	21.5114	11.19402	0.520376
TCP11L2	1	5.846351	7.568768	9.294276	9.204029	6.525254	6.766629	12.52203	19.82153	12.33466	8.798529	7.687736	12.04868	1.56726
TCRA	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TCTA	1	10.13495	9.64185	11.48678	15.2189	24.17911	14.51674	10.7171	11.73108	10.05667	11.41809	14.13232	11.68794	0.827036
TCTE1	1	0.193706	0.28681	2.801508	1.29942	0.175218	0.360436	0.265263	0.06675	0.044506	0.221825	0.951332	0.191756	0.201566
TCTE3	1	0	0	0	0	0	0	0.750415	0.497827	0.331933	2.881854	0	0.892406	#DIV/0!
TCTEX1D1	1	3.880628	0.919924	0.704203	1.470469	0.706143	1.717053	6.406985	6.301183	5.790329	2.473158	1.536273	4.537742	2.953733
TCTEX1D2	1	16.43327	13.59105	8.427283	7.466843	25.8487	42.78852	18.52072	14.71486	19.39017	9.105859	14.35343	20.90403	1.456379
TCTEX1D4	1	0	0	0	0.045312	0	0	0	0	0	0.06288	0.009062	0.012576	1.387714
TCTN1	1	8.009493	8.298053	4.85355	6.955452	6.239917	3.327758	3.111874	5.511168	5.976835	8.285496	6.871293	5.242626	0.762975
TCTN2	1	7.597921	7.20585	6.121897	5.29301	11.51019	8.299921	5.313808	4.461084	6.444725	3.237276	7.545774	5.551363	0.735692
TCTN3	1	2.740536	2.971332	1.835758	1.924442	2.618442	1.561756	3.847104	4.910371	6.29956	4.58049	2.418102	4.239856	1.753382
TDG	1	6.128556	5.481494	3.42819	3.360623	2.975735	4.282192	4.317301	7.466296	16.74765	6.98612	4.27492	7.959913	1.862003
TDGF1	1	0.064318	0	0	0	0	0	0	0	0	0	0.012864	0	0
TDH	1	2.228416	2.727252	2.852155	1.949287	2.840772	0.162726	1.167299	0.776824	3.054167	2.067556	2.519576	1.445714	0.573793

TDO2	1	0.009602	0	0.010485	0.023004	0	0	0.020403	0	1.861395	0.223457	0.008618	0.421051	48.85704
TDP1	1	0.42692	0.368682	0.736499	0.550082	0.311535	1.746064	1.524677	1.400049	2.095742	15.58321	0.478744	4.469948	9.336833
TDP2	1	6.080915	6.753266	4.774509	4.810533	4.764291	8.343088	9.834168	7.075578	15.19645	16.95188	5.436703	11.48023	2.111617
TDRD1	1	0	0.016448	0	0.004362	0	0	0.100583	0.094103	0.11294	0.211846	0.004162	0.103894	24.96332
TDRD10	1	0.130347	0.036801	0.047446	0.039036	0.26529	0.96638	0.461636	0.028073	0.112308	0	0.103784	0.313679	3.022431
TDRD12	1	4.566688	2.732284	1.82957	1.293335	1.616768	0.063309	0.173515	1.164602	2.001218	1.744504	2.407729	1.02943	0.427552
TDRD15	1	0	0	0	0	0	0	0	0.013333	0	0.030015	0	0.00867	#DIV/0!
TDRD3	1	6.178343	7.25488	4.190381	5.345877	4.394546	19.88665	27.5861	11.76849	9.062503	3.473835	5.472806	14.35552	2.623064
TDRD5	2.09E-05	0.005099	0.103657	0	0.024434	0.138379	0	0.021672	0.052716	1.50262	0.144106	0.054314	0.344223	6.337653
TDRD6	1	0.027586	0.112153	0.247016	0.11566	0.029944	0	0	0	0	0.059615	0.106472	0.011923	0.111983
TDRD7	1	2.98777	2.530579	2.953203	2.637993	2.190045	6.71718	8.966853	5.51393	9.986437	4.281612	2.659918	7.093202	2.6667
TDRD9	1	0.360593	0.519205	1.299409	1.504633	0	1.053631	0.114936	0.155322	2.423375	2.192899	0.736768	1.188033	1.612492
TDRKH	1	8.156349	8.682381	4.244176	4.417938	3.271931	4.379837	4.581632	7.771964	6.74646	8.465266	5.754555	6.389032	1.110256
TDRP	1	7.238132	5.307741	5.445682	5.821085	7.406817	5.172974	3.550427	2.241489	3.362722	2.353433	6.243891	3.336209	0.534316
TEAD1	1	2.573814	2.441164	4.396441	4.115112	1.569709	2.425456	2.131306	2.043566	5.834383	1.523218	3.019248	2.791586	0.924596
TEAD2	1	1.598189	0.848765	1.66029	2.328398	2.813163	15.14534	4.589285	5.737947	6.431008	6.749513	1.849761	7.730619	4.179253
TEAD3	1	1.009794	0.566551	1.938461	1.379128	0.785422	0.336598	0.30068	0.199472	0.831253	0.898112	1.135871	0.513223	0.451832
TEAD4	1	1.018825	0.602677	1.071332	1.000893	0.958156	0.578322	0.274915	0.640859	1.630249	2.016223	0.930377	1.028113	1.105051
TEC	1	0.586022	0.299082	0.332269	0.161998	0.183493	0.383356	0.395133	0.291258	0.46608	0.037468	0.312573	0.314659	1.006674
TECPR1	1	4.159228	4.48939	7.204227	8.017515	5.837988	3.541162	5.493562	2.85127	4.372583	10.42911	5.94167	5.337538	0.898323
TECPR2	1	2.14515	2.254978	4.131373	4.852983	0.34111	1.865653	3.989091	3.536242	1.853601	2.082709	2.745119	2.665459	0.970981
TECR	1	40.6314	42.23234	58.42538	69.25197	157.4635	133.9564	111.1334	112.7296	61.59863	132.8363	73.60091	110.4508	1.500672
TECRL	1	0.046088	0	0	0	0	0	0	0	0.833905	0.287301	0.009218	0.224241	24.32748
TECTA	0.02329	0.015862	0.047769	0.155891	0.060171	0.028697	0.373555	0.999958	0.642255	0.710684	1.190969	0.061678	0.783484	12.70284
TECTB	1	0	0	0	0	0	0	0.026597	0	0	0.041613	0	0.013642	#DIV/0!
TEDC1	1	0.17388	0.228754	1.816527	1.735037	0.150799	0.206386	0.106656	0.36136	0.222408	1.12937	0.820999	0.405236	0.493589
TEDC2	1	4.205633	3.43217	4.417184	4.602053	12.48718	1.568104	1.182472	1.825365	4.923671	6.155072	5.828845	3.130937	0.537145
TEDDM1	1	0	0	0.060522	0.037938	0	0	0	0	0.429784	0.059229	0.019692	0.097803	4.966588
TEF	1	30.40074	29.08002	31.74166	48.0806	29.84026	44.13081	30.89265	33.88609	17.97267	71.18695	33.82865	39.61384	1.171014
TEFM	1	4.177429	4.360803	2.683336	2.845478	4.540819	4.225401	3.630299	3.205633	6.170228	3.287349	3.721573	4.103782	1.102701
TEK	1	4.911421	3.874255	6.699514	5.766084	3.354135	11.76279	3.588638	2.350999	2.720386	2.183508	4.921082	4.521263	0.918754
TEKT1	1	0.457742	0.547338	0.44104	0.870871	0.694149	3.100076	4.234012	4.418882	0.974384	0.82806	0.602228	2.711083	4.501755
TEKT2	1	0.879516	0.775214	1.007264	0.989325	1.484421	1.683949	0.843296	2.245338	1.275316	0.570556	1.027148	1.323691	1.288706
TEKT3	1	0.785382	1.092603	0.994344	1.118058	0.432431	0.119135	0.096748	0.29417	1.882965	0.473032	0.884564	0.57321	0.648014
TEKT4	1	0	0	0	0	0	0.919179	0.159954	0	0.129713	0.04171	0	0.250111	#DIV/0!
TEKT5	1	0.335373	0.92852	0.16539	0.4147	1.761468	0	0	0	0	0	0.72109	0	0
TELO2	1	1.054158	1.152372	2.578509	2.702327	2.185528	3.883795	1.648664	2.244915	3.247971	6.287476	1.934579	3.462564	1.789829
TEN1	1	7.942043	5.479539	17.76688	16.28033	22.4692	24.63479	7.899611	20.65054	20.71594	18.09802	13.9876	18.39978	1.315435
TENM1	1	1.554341	2.359289	6.19157	3.042519	0.097076	1.076471	2.865805	16.84042	10.86487	12.78834	2.648959	8.887182	3.354971
TENM2	1	8.285243	9.244834	2.478942	2.348149	5.993216	4.484444	16.18552	1.650103	0.51151	0.546196	5.670077	4.675555	0.824602
TENM3	1	7.450849	8.62382	6.277072	6.55251	3.468538	7.246517	8.454803	3.423243	6.732024	9.290061	6.474558	7.02933	1.085685
TENM4	1	5.351133	4.306812	5.474127	6.105531	3.362998	2.80739	7.572107	1.864601	1.445104	1.095325	4.92012	2.956905	0.600982
TENT5C	1	0.439121	0.221942	0.570049	0.430381	0.183328	0.980294	0.574222	0.261896	0.666742	0.495152	0.368964	0.595661	1.614415
TEP1	1	1.379016	1.117493	3.699119	1.638352	1.603798	8.378172	6.76047	9.802429	7.363134	4.776741	1.887556	7.416189	3.928991
TEPP	1	0	0.044049	0.042593	0	0	0	0	0	0	0	0.017328	0	0
TEPSIN	1	3.054825	2.635826	4.397771	6.325066	7.234162	2.784235	1.483042	1.877655	1.77442	3.661204	4.72953	2.316111	0.489713

TERB1	1	0.090322	0.258402	0.184108	0.064917	0.163402	0.535707	1.663384	3.75046	5.914449	2.852749	0.15223	2.94335	19.33485
TERB2	1	0	0.122244	0	0	0	0	0	0	0	0	0.024449	0	0
TERC	1	0	0.09597	0.185596	0.101799	0.230611	0	0	0	0	5.791962	0.122795	1.158392	9.433532
TERF1	1	25.86756	26.55352	16.63484	15.6147	10.28188	13.9127	16.89771	27.09994	28.65556	22.91288	18.9905	21.89576	1.152985
TERF2	1	21.84372	22.85812	6.010718	6.787205	26.43511	27.27832	29.04351	36.91337	9.827869	10.06933	16.78697	22.62648	1.347859
TERF2IP	1	40.10905	34.42254	26.08097	27.84518	45.43512	52.2839	46.77084	41.32993	49.90668	66.91865	34.77857	51.442	1.479129
TERT	1	0.051058	0.206616	0.26948	0.499491	0.438757	0.066801	0.018083	0.175942	0.021996	0.049511	0.293081	0.066467	0.226786
TES	1	1.671026	0.297423	0.436348	0.239335	0.049289	0.665383	0.59824	0.469421	4.554045	0.332129	0.538684	1.323843	2.457549
TESC	1	8.434091	8.804661	6.007297	10.16861	16.06563	23.07016	13.277	1.41236	6.780316	1.877445	9.896058	9.283456	0.938096
TESK1	1	9.486111	10.01461	16.9885	21.04292	18.37301	36.4723	23.48842	21.70141	10.11992	35.17153	15.18103	25.39072	1.672529
TESK2	1	1.302271	1.300548	3.268602	3.201455	3.177904	3.712763	4.615541	7.409441	4.471432	5.008139	2.450156	5.043463	2.058425
TESMIN	1	0	0.03253	0	0	0	0.301492	0.107116	0.074445	0	0	0.006506	0.096611	14.84962
TESPA1	1	0.287499	0.024351	0.031394	0.01722	0.234053	0.225687	0	0.037151	0	0.023896	0.118903	0.057347	0.482297
TET1	1	1.004713	1.64007	2.773995	1.558501	0.544455	0.662297	0.95106	2.074108	2.210044	0.946685	1.504347	1.368839	0.909923
TET2	1	2.870465	4.130017	6.293943	4.974092	3.137509	5.562258	5.735318	5.213171	6.607265	3.046017	4.281205	5.232806	1.222274
TET3	1	2.294719	2.684502	2.685762	2.008468	0.8773	1.990445	3.8356	6.262322	2.810058	3.661794	2.11015	3.712044	1.759137
TEX10	1	2.532049	2.8526	3.195935	2.56761	3.213127	2.82816	4.012777	4.786332	5.022456	4.340329	2.872264	4.198011	1.461569
TEX101	1	0	0.035144	0	0	0	0	0	0	0	0.025866	0.007029	0.005173	0.735998
TEX11	1	0.023925	0.027018	0	0.057318	0.032462	0.500823	0.368581	1.31393	0	0.059656	0.028145	0.448598	15.93901
TEX12	1	0.631094	0.937066	1.582474	1.063976	1.617437	0.122323	3.874122	4.40981	15.34596	0.252558	1.166409	4.800954	4.116011
TEX13A	1	0.033388	0	0	0	0	0	0	0	0	0	0.006678	0	0
TEX13B	0.22873	0.107827	0.150421	0.069262	0.189949	0.344243	0	0	0	0.03279	0	0.17234	0.006558	0.038052
TEX14	1	0.292043	0.533389	0.409458	0.522595	0.391362	1.886859	1.179861	3.373162	4.026016	1.318568	0.42977	2.356893	5.484086
TEX15	1	0.049896	0.154018	0.050853	0.027893	0	0.034816	0.081287	0.098864	0.042991	0.094003	0.056532	0.070392	1.245178
TEX2	1	28.76905	30.09252	40.23654	47.04138	23.95649	25.32127	47.78489	59.86368	35.27068	42.8556	34.0192	42.21922	1.241041
TEX22	3.34E-13	1.166433	0.902841	5.610101	5.086664	1.280352	0	0	0	0	0	2.809278	0	0
TEX26	1	0.24007	0.437951	0.241986	0.398186	0.425962	0.338252	0.117724	0.095454	0.095467	0.107444	0.348831	0.150868	0.432496
TEX261	1	7.640358	8.41937	12.23075	13.32719	26.44597	13.55495	10.88025	13.71111	10.6241	9.043519	13.61273	11.56279	0.84941
TEX264	1	5.476768	4.951532	6.671913	8.3145	10.33048	7.579617	8.459308	4.479498	5.277984	6.341375	7.149038	6.427556	0.89908
TEX28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TEX29	1	0.162371	0.611221	0.059102	0.129669	0.514058	0	0	0	0.279799	0.044986	0.295284	0.064957	0.219982
TEX30	1	1.612251	1.028501	0.725722	0.589712	1.001936	2.833949	4.158217	3.753275	4.390062	2.393677	0.991624	3.505836	3.535448
TEX33	1	0	0.222165	0.114572	0.471316	0.07118	0.549087	0.418035	0.135581	0	0	0.175847	0.220541	1.254164
TEX35	1	0.041859	0.378176	0	0	0	0.073021	0	0	0	0.046389	0.084007	0.023882	0.284287
TEX36	1	0.151255	0	0	0.020132	0.045606	0	0.107137	0.781822	0.086882	2.681994	0.043399	0.731567	16.85686
TEX37	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TEX38	1	0.149055	0.201994	0.065106	0.178552	0.242691	0	0	0	0	0.049556	0.167479	0.009911	0.059178
TEX43	1	0	0.397365	0	0	0	0.920717	0	0.227345	0	0	0.079473	0.229612	2.889186
TEX44	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TEX45	1	0.025842	0	0.056439	0.054174	0	0.405723	0.34321	0.233758	0.267191	0.021479	0.027291	0.254272	9.317112
TEX46	1	0	0.040303	0	0	0	0.046692	0.132712	0.023058	0.184495	0.177977	0.008061	0.112987	14.01723
TEX47	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TEX48	1	0	0.160677	0.062147	0	0	0	0	0	0	0.070955	0.044565	0.014191	0.318435
TEX49	1	0.031146	0.070346	0	0	0	0	0	0	5.474415	0	0.020298	1.094883	53.93944
TEX50	1	0	0.168999	0	0	0	0	0	0	0	0	0.0338	0	0
TEX51	1	0	0.077833	0	0	0	0	0	0	0	0	0.015567	0	0

TEX52	1	0	0	0	0	0	0	0	0	0.16856	0	0	0.033712	#DIV/0!
TEX9	0.10478	0.49136	0.441862	0.258342	0.457798	0.567925	6.333384	3.731747	5.808583	6.867826	2.662178	0.443457	5.080744	11.45712
TF	1	54.55293	99.11008	163.3108	156.6973	84.50219	157.1042	114.1381	37.82166	60.80522	10.24754	111.6347	76.02335	0.681001
TFAM	1	9.875282	10.55145	6.57385	6.541941	8.780476	5.356597	8.234958	10.28542	11.88826	7.259314	8.464599	8.604909	1.016576
TFAP2A	1	0.225919	0.142204	1.043415	0.35492	0.452264	0.174439	0	2.287638	2.259251	2.056302	0.443744	1.355526	3.054745
TFAP2B	1	0.333709	0.00679	2.90866	0.507787	0.065267	0.015733	0	5.485499	3.683434	3.858157	0.764443	2.608565	3.412375
TFAP2C	1	0	0	0	0.013836	0	0.483574	0.269983	0.089554	0.029856	0.019201	0.002767	0.178433	64.48113
TFAP2D	1	0.193049	0	0.361381	0.407444	0	0.43298	0.078137	0	0	0	0.192375	0.102223	0.531377
TFAP2E	1	0	0	0.034281	0	0	0	0	0	0	0.234836	0.006856	0.046967	6.850399
TFAP4	1	0.437763	0.659157	1.818382	1.933058	0.512447	1.751907	0.930224	3.349751	4.038036	8.190279	1.072161	3.65204	3.406241
TFB1M	1	6.554923	7.370571	2.331899	2.414077	6.562529	3.404502	4.567832	3.527054	2.156751	2.127574	5.0468	3.156743	0.625494
TFB2M	1	7.22036	6.774433	5.249097	6.103235	9.567754	5.925257	7.893046	6.442659	5.955834	3.764241	6.982976	5.996207	0.858689
TFCP2	1	18.47563	20.18687	12.82478	14.73183	16.38466	31.46251	38.53417	57.0958	22.03924	14.38016	16.52075	32.70238	1.979472
TFCP2L1	1	0.170541	0	0.027934	0.010215	0	0.044625	0.00453	0.09366	0.440819	2.179382	0.041738	0.552603	13.2398
TFDP1	1	6.892792	7.516213	9.229936	9.023108	10.31786	9.666908	9.056906	11.47974	10.70112	14.14642	8.595981	11.01022	1.280856
TFDP2	1	4.837067	4.116487	4.756012	5.486241	3.622169	1.986665	2.654201	4.504624	3.956627	2.364747	4.563595	3.093373	0.677837
TFE3	1	10.21331	10.17952	14.30651	15.28181	14.9597	22.88285	16.53708	19.16783	12.73407	20.21438	12.98817	18.30724	1.409532
TFEB	1	0.999106	1.004379	3.733378	6.793526	2.444822	5.107755	2.638472	2.447802	2.56758	1.996857	2.995042	2.951693	0.985526
TFEC	1	0.435958	0.32449	0.324585	0.272985	0.295762	0.674083	0.484249	0.153642	0.307329	0.065883	0.330756	0.337037	1.01899
TFF1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TFF2	1	0.031459	0	0	0	0	0	0.267393	0	0.16263	0	0.006292	0.086005	13.66944
TFF3	1	0	0	0	0	0	0	0	0	0.470741	0	0	0.094148	#DIV/0!
TFG	1	24.74612	29.38018	27.73671	32.38626	40.46924	31.1677	44.12007	44.75851	26.80927	26.27797	30.9437	34.62671	1.119023
TFIP11	1	4.836933	4.559021	3.456288	4.246502	4.185278	2.755696	4.720286	5.272487	2.915537	2.8795	4.256804	3.708701	0.871241
TFPI	1	1.326673	0.702868	0.405398	0.196199	0.577802	2.800022	0.9049	0.324528	2.14502	0.526385	0.641788	1.340171	2.088183
TFPI2	1	0.907837	0.096115	1.858763	1.56327	0.500413	0	0.060285	0.146641	0.953304	0.04716	0.98528	0.241478	0.245086
TFPT	1	6.341309	6.73709	10.95387	11.91044	14.68995	10.17554	4.460353	4.282775	5.368526	6.244018	10.12653	6.106243	0.602994
TFR2	1	0.086748	0.132252	0.132618	0.10911	0.400188	0.090796	0.046084	0.212985	0.24665	0.677757	0.172183	0.254854	1.480134
TFRC	1	20.40199	17.35374	18.58727	19.94506	17.19667	27.17059	38.39481	18.79791	26.03044	28.13228	18.69695	27.7052	1.481804
TG	1	0.008723	0.017239	0.028576	0.067921	0.035508	0.353795	0.532916	0.123994	0.924455	0.112381	0.031593	0.409508	12.96179
TGDS	1	3.361686	3.455956	2.03223	2.182242	4.374537	3.086457	2.450762	3.912179	4.945985	2.385624	3.08133	3.356201	1.089205
TGFA	1	5.152918	6.51701	5.88095	9.302378	5.806548	2.914263	2.066744	1.16318	2.957667	1.046165	6.531961	2.029604	0.310719
TGFB1	1	1.109663	1.231418	4.104472	5.317032	0.8529	5.505118	2.753245	1.773763	2.254831	1.236861	2.523097	2.704764	1.072001
TGFB1I1	1	0.65985	0.320504	1.441086	1.980324	0.827919	2.524927	1.175994	0.696807	1.650573	2.748123	1.045936	1.759285	1.682019
TGFB2	1	9.345337	9.339452	5.855027	5.91721	5.610571	4.871838	12.14504	11.5447	10.89352	7.719549	7.213519	9.434931	1.307951
TGFB3	1	1.428666	0.79037	2.071678	2.383474	1.648087	2.149166	1.905083	0.792276	1.375472	0.519213	1.664455	1.348242	0.81002
TGFBI	1	3.149804	1.990091	1.969772	2.41015	2.616976	5.555166	2.211401	2.815103	4.662633	1.326306	2.427359	3.314122	1.36532
TGFBR1	1	2.072545	1.512185	2.031407	2.090095	0.736907	3.168952	2.599984	4.896566	5.986459	3.792901	1.688628	4.088972	2.421476
TGFBR2	1	8.547129	2.988046	7.032172	8.350025	4.406238	14.17614	3.525509	2.56052	2.987708	1.215603	6.264722	4.893095	0.781055
TGFBR3	1	12.10575	7.564474	7.247932	5.507961	7.49441	4.691154	5.067149	3.036444	20.65082	4.127957	7.984105	7.514705	0.941208
TGFBR3L	1	0.300014	0.321867	1.277677	2.066464	0.325656	0	0	0	0.542837	5.73532	0.858336	1.255631	1.462868
TGFBRAP1	1	3.250469	3.519648	4.530066	5.378645	5.504579	1.529679	3.547083	4.559834	3.513677	7.8621	4.436681	4.202475	0.947211
TGIF1	1	0.184126	0.085363	0.389426	0.306468	0.094672	0.669444	0.395378	0.586064	0.601179	0.180426	0.212011	0.486498	2.294683
TGIF2	1	0.557006	0.350528	0.102147	0.091681	0.473075	0.979082	0.677639	0.417579	0.043962	0.106022	0.314887	0.444857	1.41275
TGM1	1	0.179245	0.217417	0.420461	0.461243	0.828701	0.27794	0.028214	0.154416	0	0.419358	0.421413	0.175986	0.417608
TGM2	1	7.722433	0.950083	5.087261	4.299108	2.414971	6.616906	3.54443	2.827829	1.030737	0.759888	4.094771	2.955958	0.721886

TGM3	1	0.04798	0.077406	0.718541	0.476224	0.44641	0.466323	0.131086	0.035429	0.141738	0.056971	0.353312	0.166309	0.470715
TGM5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TGM6	1	0.007931	0.008957	0	0	0	0	0	0	0	0	0.003378	0	0
TGM7	1	0	0.033679	0	0.008931	0	0	0	0	0	0.012394	0.008522	0.002479	0.290866
TGOLN2	1	30.85022	26.29262	28.48647	33.29356	20.10894	4.939815	9.850407	10.18337	12.01691	11.95532	27.80637	9.789164	0.352048
TGS1	1	5.930353	6.997201	3.911701	4.034459	5.325583	1.816383	3.114004	3.034324	2.636038	5.34937	5.23986	3.190024	0.608799
TH	1	0.163076	0.184162	13.81074	1.617042	0.196682	0.426714	0.038503	0	0.093671	0	3.19434	0.111778	0.034992
THADA	1	1.963074	2.128318	2.321085	2.257581	1.875395	1.906103	3.464948	3.432183	2.471918	1.412744	2.109091	2.537579	1.203163
THAP1	1	3.741585	4.572606	3.311837	3.327183	5.331259	2.918051	4.385054	4.309711	3.205814	5.587391	4.056894	4.081204	1.005992
THAP10	1	0.04669	0	0	0.027965	0	0.183256	0.049606	0.120667	0.60342	0.252244	0.014931	0.241839	16.19728
THAP11	1	9.407259	11.19348	12.73354	16.21163	17.79976	21.76973	16.15398	13.53272	9.564125	21.02463	13.46914	16.40904	1.218269
THAP12	1	12.70869	11.46185	2.916126	3.23705	9.080119	16.59599	18.44266	21.50631	7.190357	6.48712	7.880767	14.04449	1.782122
THAP2	1	3.320914	2.703929	4.251317	3.157298	1.711516	1.426214	1.960675	4.648551	8.372634	1.960963	3.028995	3.673808	1.21288
THAP3	0.085036	6.559439	7.849858	13.14958	13.19358	33.78488	4.52579	4.646159	4.259209	5.398595	7.323566	14.90747	5.230664	0.350875
THAP4	1	5.71982	5.041313	8.800058	9.058509	13.61192	5.271796	4.354446	3.334544	3.245857	9.382084	8.446324	5.117745	0.605914
THAP5	1	7.330934	7.855145	7.545994	7.55185	6.019592	1.877261	2.461969	3.900099	3.026747	2.762173	7.260703	2.80565	0.386416
THAP6	1	1.075663	0.894795	0.849489	0.920378	0.807936	0.980101	1.265314	2.767579	1.638446	1.005812	0.909652	1.53145	1.683556
THAP7	1	1.775879	3.044336	6.445483	6.550293	3.016304	10.9653	5.456866	6.603825	10.10532	24.8274	4.166459	11.59174	2.782157
THAP8	1	0.895355	1.017221	1.460675	1.60881	2.824891	1.891211	1.123212	1.240635	0.529787	1.219395	1.561391	1.200848	0.769089
THAP9	1	1.101493	1.706777	1.892792	1.575183	1.03112	1.943834	2.449483	2.184712	2.538166	1.68201	1.461473	2.159641	1.477715
THBD	1	6.010502	0.443564	2.144517	1.888205	1.542698	8.898255	1.076232	0.494197	1.282426	4.690745	2.405897	3.288371	1.366796
THBS1	1	3.954721	2.596394	2.556482	3.451321	0.640574	4.061426	8.087503	1.24521	2.306899	0.897685	2.639898	3.319744	1.257527
THBS2	1	3.801689	0.806248	2.757835	1.886818	0.702299	1.681309	1.317955	4.578197	1.683914	0.133514	1.990978	1.878978	0.943746
THBS3	1	1.964403	1.404994	1.482062	1.711379	1.938452	4.579435	7.349222	13.61529	2.923481	5.066461	1.700258	6.706777	3.944565
THBS4	1	0.134149	0	0.050952	0.111789	0.063311	0.24419	0.421393	1.447099	1.175939	0.804741	0.07204	0.818673	11.3641
THEG	1	0	0.095753	0.771571	0.033856	0.076697	0	0	0	0	0.399354	0.195575	0.079871	0.408389
THEGL	1	0.060099	0.022623	0	0.071992	0	0	0.532112	1.061367	0.414252	0.033301	0.030943	0.408207	13.19228
THEM4	1	8.937713	8.378191	4.210113	5.563146	15.7334	18.26631	13.09592	17.89041	15.40158	13.15808	8.564513	15.56246	1.817086
THEM5	1	0.206636	0.207426	0.150428	0.275031	0.996873	0	0	0.059338	0.118692	0.190832	0.367279	0.073772	0.200862
THEM6	1	3.451717	4.037974	9.297378	10.49601	8.310055	0.370543	0.319719	0.205864	0.320279	2.707114	7.118626	0.784704	0.110232
THEMIS	1	0.046591	0.010523	0.020351	0.044649	0	0.170679	0.158406	0	0	0	0.024423	0.065817	2.6949
THEMIS2	1	0.645163	0.567869	1.015316	0.897854	0.373324	0.546174	0.423378	0.232944	0.318811	0.339092	0.699905	0.37208	0.531615
THG1L	1	4.111835	3.753794	4.785009	5.13227	7.676331	2.748724	5.022435	5.740025	6.865758	9.205124	5.091848	5.916413	1.161938
THNSL1	1	0.076106	0.072084	0.155488	0.085285	0.053297	0.077087	0.114769	0.133242	0.583811	0.073459	0.088452	0.196474	2.221251
THNSL2	1	1.54327	1.257036	1.152536	1.344007	0.782228	0.278498	0.659643	1.524338	1.306765	0.722448	1.215815	0.898338	0.738878
THOC1	1	4.477038	5.529245	12.18979	15.13221	8.456279	11.40526	10.46692	19.82812	13.3821	12.82737	9.156913	13.58196	1.483246
THOC2	1	6.326379	6.714242	5.920689	5.544989	3.00435	3.287486	3.621153	6.517038	5.539137	3.895568	5.50213	4.572076	0.830965
THOC3	1	12.03015	13.19476	8.532771	9.478868	19.49358	11.90567	15.7637	10.44896	7.54224	9.433852	12.54603	11.01888	0.878277
THOC5	1	7.74117	6.359451	9.232004	9.851556	16.41045	15.4739	17.80724	30.37472	13.40369	13.52294	9.918926	18.1165	1.826458
THOC6	1	1.408566	2.153071	1.926542	2.317924	6.332032	17.34906	9.4329	3.713901	1.544619	13.31584	2.827627	9.071264	3.208083
THOC7	1	7.373415	5.587929	4.258711	4.350587	14.15514	35.07954	21.70231	11.18172	14.05006	6.199447	7.145157	17.64262	2.469171
THOP1	1	10.3791	8.55284	7.235367	9.724784	9.030771	6.404047	7.785076	8.137896	9.566313	16.89383	8.984573	9.757432	1.086021
THPO	1	3.220002	2.193496	1.129048	1.795907	5.932237	1.275444	0.878833	0.706217	0.801769	1.141749	2.854138	0.960802	0.336635
THRA	1	20.33741	21.97252	25.47456	34.20664	26.26477	71.45214	30.9862	27.60481	15.61327	36.65592	25.65118	36.46247	1.421473
THRAP3	1	51.72219	49.33839	37.8094	35.38602	36.33529	40.07312	37.62701	56.16865	46.24577	51.53418	42.11826	46.32975	1.099992
THRB	1	24.85489	22.24598	8.968781	15.36688	19.04245	15.54957	20.59096	1.712264	3.359664	5.76733	18.0958	9.395958	0.519234

THRSP	1	0.513434	0.869736	1.12132	0.760707	0.953305	0	0	0.03492	1.885928	2.425734	0.8437	0.869316	1.030361
THSD1	1	1.719815	1.871828	2.395136	4.053133	2.299688	4.793668	2.462829	1.44938	1.288525	0.207167	2.46792	2.040314	0.826734
THSD4	1	2.166192	0.097852	0.662323	0.077846	0	0.226728	0	2.239359	0.78389	0.360093	0.600842	0.722014	1.20167
THSD7A	1	14.66754	26.50972	15.81441	16.88359	11.63644	6.776172	10.73458	5.581793	7.859007	7.918307	17.10234	7.773972	0.454556
THSD7B	1	0.762835	0.37734	0.764158	0.528642	0.179635	4.239616	1.748254	0.586563	1.205889	3.72042	0.522522	2.300149	4.402011
THTPA	1	8.258442	6.646083	5.857523	5.501101	15.27209	34.131	24.81976	14.77753	5.785521	3.506914	8.307047	16.60414	1.998802
THUMPD1	1	9.282924	9.475254	2.197482	1.628141	6.264671	3.736968	8.414479	11.00994	3.376874	2.320093	5.769694	5.771671	1.000343
THUMPD2	1	1.36113	1.337803	1.452968	1.394658	1.980391	1.740842	2.134989	1.80713	3.562144	3.013108	1.50539	2.451643	1.628576
THUMPD3	1	16.96305	18.81624	15.20005	15.68953	14.59116	8.097012	10.65527	9.237815	13.25159	9.286236	16.252	10.10558	0.621805
THY1	1	116.6484	117.1475	98.93895	129.2554	260.7328	66.00112	127.0473	34.25923	22.75871	64.4036	144.5446	62.894	0.435118
THYN1	1	15.09673	16.34497	13.4605	19.92588	32.66128	59.72572	28.1066	35.40133	24.27259	16.66913	19.49787	32.83507	1.684034
TIA1	1	7.860525	8.395475	10.40209	9.139443	5.983492	7.971688	11.8574	23.94195	21.59222	11.12156	8.356204	15.29696	1.830611
TIAF1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TIAL1	1	13.61632	12.36444	12.82684	11.82652	13.01816	17.20305	19.42599	37.36725	28.50183	19.50793	12.73046	24.40121	1.916758
TIAM1	1	15.38189	17.72478	29.01869	7.803734	14.92059	12.05969	15.15541	82.03835	46.84163	60.12644	16.96994	43.24431	2.548289
TIAM2	1	5.331063	6.263203	1.59542	2.016493	4.044326	6.316317	11.03231	1.060804	0.972546	1.72204	3.850101	4.220804	1.096284
TICAM1	1	1.286861	0.952844	1.683621	2.690393	1.433086	0.190601	0.361162	0.094127	0.502083	3.006977	1.609361	0.83099	0.516348
TICAM2	1	2.162118	1.577242	2.859585	2.099338	1.020396	1.440739	0.699147	0.694145	1.145507	0.234402	1.943736	0.842788	0.433592
TICRR	1	0.150106	0.182811	0.366393	0.359622	0.127792	0.092418	0	0.015213	0.152155	0.068497	0.237345	0.065657	0.276631
TIE1	1	1.784725	2.097053	13.02261	8.125299	4.437228	10.98671	4.044551	3.372739	12.37295	9.680714	5.893382	8.091533	1.372986
TIFA	1	0.588839	0.163328	0.360983	0.173248	0.168202	1.189386	1.185399	0.213589	0.747671	0.1889	0.29092	0.704989	2.423307
TIFAB	1	0	0	0	0	0	0	0.064629	0.157208	0	0	0	0.044368	#DIV/0!
TIGAR	1	11.42672	10.31308	2.855322	2.959991	7.56583	3.438146	5.007653	2.998787	2.365585	2.157044	7.024189	3.193443	0.454635
TIGD2	1	1.940809	2.813214	3.773434	2.324883	2.569131	3.499173	4.891108	8.166148	5.230766	3.865625	2.684294	5.130564	1.911327
TIGD3	1	0.429024	0.459439	0.387712	0.496203	1.385031	2.090379	0.628727	1.452894	1.070709	1.684581	0.631482	1.385458	2.193979
TIGD4	1	0.232087	0.274383	0.285113	0.356207	0.2657	0.664226	1.780044	2.736654	3.037003	0.651046	0.282698	1.773795	6.274527
TIGD5	1	4.356103	3.51798	9.055637	11.4461	7.176225	0.47027	0.318249	0.243299	1.01758	5.06464	7.110408	1.422807	0.200102
TIGD7	1	1.197847	1.308744	0.818845	0.577457	1.202444	1.044788	0.320757	1.220689	6.217609	2.646868	1.021068	2.290142	2.24289
TIGIT	1	0.090076	0.073467	0.076503	0.257765	0.135798	0	0	0.064666	0.02587	0.033275	0.126722	0.024762	0.195405
TIMD4	1	0.403167	0.170737	0.366876	0.261599	0.091172	0.175826	0.071393	0.08683	1.650015	0.670199	0.25871	0.530852	2.051919
TIMELESS	1	1.198418	0.789792	1.364258	1.207838	0.534342	2.114261	2.575435	4.948572	1.316301	0.186237	1.018929	2.228161	2.186767
TIMM10	1	10.94439	10.03407	10.66018	14.77755	47.9124	25.34495	14.5453	12.31932	5.421289	13.34381	18.86572	14.19493	0.75242
TIMM10B	1	3.325781	3.932568	7.434278	6.468031	6.158287	12.28581	7.316544	8.898655	8.495406	12.55308	5.463789	9.909899	1.813741
TIMM13	1	27.73098	27.73176	29.11873	29.04803	65.19313	13.07628	16.71192	5.610731	5.611547	11.50751	35.76453	10.5036	0.293688
TIMM17A	1	9.717214	9.70477	10.41694	10.63069	15.60379	6.810451	10.6593	5.156064	3.674971	5.527366	11.21468	6.365631	0.567616
TIMM17B	1	8.345055	8.996676	10.1164	11.55102	53.11721	30.84423	12.14105	10.66721	5.031554	30.14147	18.42527	17.7651	0.96417
TIMM21	1	16.84858	15.63621	12.05302	13.02224	23.31344	6.329331	14.5041	13.6884	13.1514	12.82543	16.1747	12.09973	0.748065
TIMM22	1	3.52333	3.155454	3.024397	3.640705	6.318679	4.39323	4.296829	4.180771	3.642868	10.14526	3.932513	5.331791	1.355823
TIMM23	1	38.22716	44.0531	26.81163	29.2328	70.19556	50.75379	49.52321	31.25528	23.47712	28.89725	41.70405	36.78133	0.881961
TIMM29	1	3.903477	4.265636	5.331023	7.045436	15.61789	0.936062	0.737803	0.24473	1.84934	8.167945	7.232692	2.387176	0.330054
TIMM44	1	16.29883	16.23404	12.17401	13.18136	17.73676	10.06679	18.96529	18.25525	15.45105	38.38902	15.125	20.22548	1.337222
TIMM50	1	17.95255	20.38185	14.54197	18.87195	57.66539	61.43948	33.95093	35.89927	14.74061	41.70623	25.88274	37.5473	1.45067
TIMM8A	1	14.76523	20.96517	8.972405	11.34126	57.83872	11.23505	12.73394	8.8614	6.387524	6.033488	22.77656	9.05028	0.397351
TIMM8B	1	24.17341	24.35926	23.06682	18.71079	77.50737	45.1534	24.65629	31.52575	18.8413	44.51181	33.56353	32.93771	0.981354
TIMM9	1	6.315976	7.24945	4.152051	5.440946	9.023052	11.36477	11.78152	15.95323	10.5685	6.558731	6.436295	11.24535	1.747177
TIMMDC1	1	5.984611	6.369293	6.020801	6.425892	12.06331	8.836768	12.27764	9.885745	4.869363	11.17049	7.372781	9.408001	1.276045

TIMP1	1	17.91468	7.136482	10.8776	8.088724	26.33733	21.53237	7.404393	28.79725	20.15083	30.99101	14.07096	21.77517	1.547525
TIMP2	1	59.31353	47.71615	70.04333	79.709	39.03712	28.27669	59.8811	42.29686	38.26132	55.27775	59.16383	44.79874	0.757198
TIMP3	1	67.22041	22.88901	10.70586	9.382744	17.57748	49.32748	32.57754	42.57889	12.51164	6.320093	25.5551	28.66313	1.121621
TIMP4	0.002079	0.909001	1.461514	1.144026	0.51676	1.588741	8.143508	6.416777	25.60296	12.82325	15.80213	1.124008	13.75773	12.23988
TINAG	1	0.027404	0	0.259347	0	0	0	0	0	0.094446	0.03037	0.05735	0.024963	0.435275
TINAGL1	1	0.816983	0.812787	4.142029	5.953507	4.038149	6.922302	1.488041	0.678679	0.905037	1.261091	3.152691	2.25103	0.714003
TINF2	1	3.255119	2.298999	2.563544	2.45122	5.277173	7.206454	4.057853	9.146175	4.039394	6.511951	3.169211	6.192365	1.953914
TIPARP	1	10.65199	10.57696	10.69908	10.44317	17.91639	6.525032	7.656242	18.89003	16.72309	9.873578	12.05752	11.93359	0.989722
TIPIN	1	3.80116	3.797364	3.291161	3.448719	4.821851	4.472919	6.810719	8.486904	18.31345	13.72188	3.832051	10.36118	2.70382
TIPRL	1	19.62916	18.38904	9.76835	9.259079	12.63665	27.03965	33.76964	25.63352	19.16661	13.62797	13.93646	23.84748	1.711158
TIRAP	1	1.536276	1.331948	2.042632	1.457838	1.457603	1.297382	0.590645	0.902809	0.50487	1.317488	1.565259	0.922639	0.589448
TJAP1	1	2.060935	2.16082	5.194213	6.212116	6.04157	3.977316	2.441434	3.997664	2.935129	3.351645	4.333931	3.340638	0.77081
TJP1	1	13.55306	11.2429	21.54404	24.13116	9.482016	9.22416	7.723503	10.29613	12.39133	5.722595	15.99064	9.071543	0.567303
TJP2	1	7.377014	8.907179	24.18686	26.9093	7.325172	14.76523	10.89054	8.945004	4.912822	1.911685	14.9411	8.285057	0.554514
TJP3	1	0.905362	0.468614	0.659092	0.206577	0.760455	0	0.045806	0.083566	0.780066	0.421046	0.60002	0.266097	0.44348
TK1	1	3.711783	2.854838	5.440167	5.613296	8.499766	0	0.602688	0.15935	0	1.701423	5.22397	0.492692	0.094314
TK2	1	3.497484	3.396028	3.926264	4.530824	4.663145	6.695799	5.129949	5.092761	4.176189	7.079244	4.002749	5.634788	1.40773
TKDP1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TKDP2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TKDP4	1	0	0	0	0	0	0.179355	0.182064	0.177146	0	0.028485	0	0.11341	#DIV/0!
TKFC	1	1.653708	1.546687	4.725354	4.808426	6.227315	0.838752	3.792694	7.455816	6.779001	4.965181	3.792298	4.766289	1.256834
TKT	1	41.56932	31.84489	48.55567	53.37428	61.09884	58.19972	81.69421	49.85632	47.03844	100.625	47.2886	67.48273	1.42704
TKTL1	1	0.145532	0.049305	0.381403	0.148182	0.15797	0	0.077312	0.131642	0	0.544325	0.176478	0.150656	0.853679
TKTL2	1	0.19935	0.414708	0.481202	0.16339	0.208796	0	0	0	0.090401	0.21511	0.293489	0.061102	0.208193
TLCD1	1	0.970848	0.541891	0.82862	1.55063	3.391619	1.051193	2.774382	5.335444	2.711377	1.354169	1.456722	2.645313	1.815936
TLCD2	1	0.256818	0.06549	0.108558	0.04962	0.157369	0.628652	0.492914	0.235518	0.770898	0.254774	0.127571	0.476551	3.735578
TLDC1	1	2.250293	2.414808	4.69328	4.203111	1.287875	0.418597	1.0538	2.05343	1.102673	1.116903	2.969873	1.14908	0.386912
TLDC2	1	0.039147	0	0	0	0	0	0	0	0.101188	0.195227	0.007829	0.059283	7.57182
TLE1	1	7.019701	7.169912	5.202858	7.356018	6.809996	23.3612	14.52332	9.594049	12.79393	17.57091	6.711697	15.56868	2.319634
TLE2	1	1.667157	1.858172	7.725262	8.778454	10.8382	5.500402	3.758262	12.30781	7.456959	12.73625	6.17345	8.351938	1.35288
TLE3	1	5.855236	4.646839	8.00755	7.576074	6.965774	3.133879	3.490034	7.36715	7.368222	5.774814	6.610295	5.42682	0.820965
TLE4	1	6.964039	9.193866	10.27491	11.78094	11.11835	15.2815	14.74982	5.309163	7.59684	4.835137	9.866422	9.554492	0.968385
TLE6	4.42E-07	0.532312	0.474141	0.654957	0.745426	0.813815	0.019618	0.015932	0.019376	0.019379	0.006232	0.64413	0.016107	0.025006
TLK1	1	8.898065	9.985291	3.371174	3.909687	5.987276	11.87266	11.6944	10.09958	5.413002	3.61932	6.430299	8.539794	1.328056
TLK2	1	5.940795	6.983098	5.246876	6.013002	5.801665	6.48186	6.797988	9.064202	12.04982	9.047877	5.997087	8.68835	1.448762
TLL1	1	0.172868	0.167332	3.182098	0.399364	0	0.807746	2.610709	25.06686	10.14949	5.018614	0.784332	8.730682	11.13135
TLL2	1	0.13067	0.110675	0.123232	0.188546	0.153121	1.072386	0.10097	0.053727	0.122821	0.177723	0.141249	0.305526	2.163029
TLN1	1	11.6096	8.597321	29.34676	32.66721	8.235111	23.20431	11.06657	14.26196	12.44429	13.86913	18.0912	14.96925	0.827433
TLN2	1	17.26283	14.11614	14.68234	19.01692	9.775628	18.87336	30.7047	7.005929	6.166115	7.680683	14.97077	14.08616	0.940911
TLNRD1	1	3.249984	4.406436	6.867524	7.820724	15.14125	6.020613	3.728046	3.320116	4.856996	20.49466	7.497184	7.684086	1.02493
TLR10	1	0.143183	0.282971	0.403913	0.586021	0.194276	8.492353	2.370672	0.72468	1.202835	0.208266	0.322073	2.599761	8.071963
TLR2	1	0.849222	0.614764	1.006594	0.878163	0.581052	4.74814	2.560309	0.966073	4.277604	0.199085	0.785959	2.550242	3.244752
TLR3	1	2.538866	1.056987	1.481057	1.033905	1.034207	2.317109	2.107965	1.839553	1.941228	0.736015	1.429004	1.788374	1.251483
TLR4	1	0.590624	0.247434	0.790583	0.770267	0.387764	1.595317	2.307664	1.501813	1.354291	0.324632	0.557334	1.416744	2.542
TLR5	1	0.632328	0.336526	0.873034	0.435323	0.17751	0	0.540555	0.300546	0.864194	0.495365	0.490944	0.440132	0.896501
TLR6	1	1.316224	0.928688	1.264214	0.869522	0.83529	1.322348	0.351444	0.26715	0.665002	0.343665	1.042787	0.589922	0.565716

TLR7	1	0.454059	0.520847	0.71055	0.84371	0.329871	0.636159	1.61062	1.27513	0.166346	0.178299	0.571807	0.773311	1.352397
TLR8	1	0.080152	0.085752	0.184262	0.242561	0.068686	0.883077	0.233068	0.501517	0.327124	0.014025	0.132283	0.391762	2.961556
TLR9	1	0.01731	0.013032	0.138613	0.262644	0	0.181173	0.049043	0.089471	0	0.345291	0.08632	0.132996	1.540737
TLX1	1	0	0.021041	0	0	0	0	0	0	0	0	0.004208	0	0
TLX2	1	0	0	0.047973	0	0	0	0	0	0	0.036515	0.009595	0.007303	0.761155
TLX3	1	0	0	1.498327	0	0	0	0	2.271761	2.105841	10.69181	0.299665	3.013883	10.05749
TM2D1	1	8.734351	9.125688	6.882221	6.178164	6.351738	9.200274	25.80537	13.86616	11.28836	6.122742	7.454432	13.25658	1.778349
TM2D2	1	17.71151	12.81241	10.76506	11.88925	12.15183	8.831794	21.44545	15.76193	10.19276	14.24903	13.06601	14.09619	1.078844
TM2D3	1	6.468372	7.280462	6.722509	7.864456	11.79938	7.491178	12.62433	8.622817	3.282711	5.349459	8.027035	7.474098	0.931116
TM4SF1	1	24.38456	3.896442	6.199268	5.979792	8.732137	81.5746	30.70479	46.51438	15.05375	6.935538	9.838439	36.15661	3.675035
TM4SF18	1	1.569745	1.139607	2.142664	1.275978	3.080728	16.28329	6.462782	3.042688	2.970675	0.419374	1.841744	5.835761	3.168605
TM4SF19	0.965954	0	0.117912	0.057007	0.140707	0.035417	0	0	0.067461	0	0	0.070209	0.013492	0.192173
TM4SF20	1	0.078746	0.289016	0.042994	0.070747	0	0	0	0	0.407087	3.468899	0.096301	0.775197	8.049756
TM4SF4	1	0.218201	0	0.204233	0	0	0	0	0	0.725156	0	0.084487	0.145031	1.716616
TM4SF5	1	0.358157	0.808939	0.782202	1.15303	4.252157	0	0.095133	0.115705	0.694329	1.823343	1.470897	0.545702	0.370999
TM6SF1	1	14.47812	15.14148	11.81256	14.14641	13.41901	8.103408	21.24305	11.89479	19.55087	24.13863	13.79952	16.98615	1.230923
TM6SF2	1	0.218948	0.206049	0.265652	0.291418	1.353349	1.909712	3.101691	5.28135	1.697824	1.395198	0.467083	2.677155	5.731642
TM7SF2	1	9.104574	8.929615	10.71947	19.97768	26.9316	17.89593	11.11751	10.25964	4.684428	9.593767	15.13259	10.71026	0.707761
TM7SF3	1	16.90739	15.2599	16.39999	13.63059	3.809571	5.770558	8.775731	6.913284	10.10753	10.33598	13.20149	8.380617	0.634824
TM9SF1	1	5.312551	3.747485	7.519446	7.343647	9.047315	16.34711	16.55264	23.47385	14.69846	10.89013	6.594089	16.39244	2.485929
TM9SF2	1	45.8899	47.24042	37.28386	44.97869	39.95164	40.23403	92.62285	81.20191	89.48647	58.65936	43.0689	72.44092	1.681977
TM9SF3	1	30.92159	32.45355	22.90093	23.08498	27.28736	18.11367	34.50283	25.55022	30.2598	17.67164	27.32968	25.21963	0.922793
TM9SF4	1	16.28102	15.50648	19.94546	23.28986	21.52742	12.8916	19.95906	19.8774	13.86668	19.74669	19.31005	17.26829	0.894264
TMA16	1	21.1796	20.25509	9.584456	10.9712	13.46249	12.98124	8.340803	7.678744	24.23736	23.69827	15.09057	15.38728	1.019662
TMA7	1	59.41405	76.47878	51.46332	57.41989	416.8757	486.953	107.4211	71.83121	40.34586	64.95118	132.3303	154.3005	1.166025
TMBIM1	1	12.18699	8.449108	8.830842	9.909728	23.21575	22.42808	15.64095	14.89309	1.627213	2.72354	12.51848	11.46257	0.915652
TMBIM4	1	44.61959	43.90979	35.5816	31.63262	70.92123	19.01239	28.65177	23.47284	42.02974	24.56903	45.33297	27.54715	0.607663
TMBIM6	1	95.65299	88.58462	126.3476	144.4644	108.6511	89.26051	109.5167	113.5487	119.9823	96.6166	112.7402	105.785	0.938308
TMBIM7	1	0.16014	0.291365	0.11658	0.223803	0.289712	0	0	0	0	0	0.21632	0	0
TMC1	0.322674	0.045408	0.10256	0	0.010879	0	1.330765	0.521048	1.46694	0.446015	1.509675	0.031769	1.054889	33.20456
TMC2	1	0.055401	0.015641	0	0.016591	0.018792	0	0	0.035795	0.071601	0	0.021285	0.021479	1.009116
TMC3	1	0	0	0	0.011866	0	0	0	0.0256	0	0	0.002373	0.00512	2.157489
TMC4	1	1.839035	0.849978	1.597248	1.760674	5.221759	0.483072	0.633707	0.513825	2.532792	2.821021	2.253739	1.396883	0.619807
TMC5	1	0.054163	0.080281	0.044358	0.101377	0.128607	0.035431	0	0	0.402501	0.028136	0.081757	0.093214	1.140132
TMC6	0.191038	1.121094	1.104924	3.561348	4.813263	2.095026	0.706713	0.563082	0.269985	0.7508	0.12283	2.539131	0.482682	0.190097
TMC7	1	5.913513	7.848271	16.74151	25.05048	6.640669	9.610432	9.433389	5.061723	11.99749	3.675835	12.43889	7.955773	0.639589
TMC8	1	0.095666	0.166007	0.453533	0.701562	0.107642	0.366331	0.213202	0.138698	0.072374	0.178423	0.304882	0.193805	0.635674
TMCC1	1	6.728463	6.7244	7.516904	8.276984	8.197323	6.266796	7.043839	4.985752	6.093232	4.85724	7.488815	5.849372	0.781081
TMCC2	1	4.803219	4.11784	12.13711	13.95898	7.431174	5.230451	1.649237	3.027719	3.974459	8.161041	8.489663	4.408581	0.519288
TMCC3	1	3.15533	4.3563	5.202308	6.116807	6.657064	2.069924	1.001016	1.022218	0.896007	1.906006	5.097562	1.379034	0.270528
TMCO1	1	35.9954	47.35764	36.98616	41.89254	31.4797	35.95452	35.29473	26.21299	35.59713	20.77902	38.74229	30.76768	0.794163
TMCO2	1	0.401301	0.302128	0	0.576859	1.234198	0	0.05685	0.27657	0	0.133419	0.502897	0.093368	0.18566
TMCO3	1	11.98234	10.13071	16.68097	18.60592	13.30206	2.883876	5.85487	10.31704	8.115707	10.50256	14.1404	7.534811	0.532857
TMCO4	1	0.206853	0.141718	0.22588	0.264307	0.164657	0.389711	0.152378	0.16038	0.349323	0.513496	0.200683	0.313058	1.559961
TMCO5A	1	0	0.551811	0	0	0	0	0	0	0	0	0.110362	0	0
TMCO5B	1	0.013301	0.060083	0	0.015933	0	0	0	0	0	0	0.017863	0	0

TMCO6	1	5.891102	4.523131	3.961767	4.697438	10.46272	25.09643	18.95555	22.1725	12.07053	13.94305	5.907231	18.44761	3.122886
TMED1	1	8.395427	7.500528	8.121851	11.14446	20.45356	2.929068	4.836584	4.243067	5.722544	6.244018	11.12316	4.795056	0.431087
TMED10	1	43.31477	46.24217	46.16226	49.37477	29.10254	30.77599	55.33521	34.0971	42.89226	32.23827	42.8393	39.06777	0.911961
TMED2	1	76.04977	72.65376	39.34059	42.96611	76.6033	23.63677	42.64522	34.88178	40.86095	32.77449	61.52271	34.95984	0.568243
TMED3	1	4.641407	4.557885	5.641266	5.640491	14.42065	14.43319	16.00911	20.61827	7.859033	8.654853	6.98034	13.51489	1.936137
TMED4	1	20.95539	17.68093	16.69662	17.86365	20.62209	21.20257	34.14468	36.85466	43.01322	50.32123	18.76374	37.10727	1.977606
TMED5	1	11.86739	9.937686	11.89904	10.29993	2.06246	3.546173	22.02649	15.35897	16.99436	8.006712	9.213302	13.18654	1.43125
TMED6	1	0	0.245804	0	0.037248	0.126569	0	0.09911	0.160722	0	0.077533	0.081924	0.067473	0.823606
TMED7	1	32.06	32.93631	27.58562	27.41452	13.71838	11.07984	17.65887	18.68569	21.51772	14.38901	26.74297	16.66623	0.6232
TMED8	1	7.42281	6.587021	7.575549	6.814159	6.824116	14.26616	8.517828	6.001705	7.116571	4.420267	7.044731	8.064506	1.144757
TMED9	1	35.34911	31.29472	26.05391	32.66848	75.16363	41.15617	51.86113	30.52148	24.39318	25.99089	40.10597	34.78457	0.867317
TMEFF1	1	6.722363	7.945093	4.573688	6.19574	10.8402	9.477627	15.75749	6.934017	6.357107	3.815789	7.255417	8.468406	1.167184
TMEFF2	1	23.77801	16.01283	20.41741	31.85067	23.50498	25.22542	51.58894	23.48879	19.26738	13.89675	23.11278	26.69345	1.154922
TMEM100	1	8.323883	4.346794	5.424724	6.302934	11.29414	20.3916	11.46284	28.81415	4.116906	8.258115	7.138495	14.60872	2.046471
TMEM101	1	6.011837	8.36231	7.205277	8.431074	17.87261	7.60969	6.595146	4.958025	7.390743	7.495259	9.576622	6.809773	0.711083
TMEM102	0.000731	0.018269	0.020632	0.0399	0	0	1.768775	0.465857	0.637417	0.188892	142.1152	0.01576	29.03522	1842.324
TMEM104	1	1.072997	0.916574	3.74791	3.073271	1.85718	0.233973	0.767329	0.657722	1.315636	1.006178	2.133586	0.796167	0.373159
TMEM106A	1	3.055796	1.167102	1.477641	1.318143	1.795684	2.062227	1.248126	0.96077	0.653419	1.075276	1.762873	1.199964	0.680686
TMEM106B	1	29.48107	32.62507	29.63697	26.26668	26.54113	7.449225	11.90665	19.88928	28.53949	21.04243	28.91018	17.76541	0.614504
TMEM106C	1	13.95422	13.78727	11.25318	10.02688	20.60293	7.044049	5.139383	6.033293	9.948228	5.261616	13.9249	6.685314	0.480098
TMEM107	1	4.513762	5.225494	4.557412	6.412331	1.600354	2.01796	1.68695	3.575876	6.097462	5.504992	4.461871	3.776648	0.846427
TMEM108	1	4.554066	3.473368	4.526765	4.805637	5.544071	7.970227	6.551423	2.342425	2.573202	2.037704	4.580781	4.294996	0.937612
TMEM109	1	4.615481	4.375357	13.60394	11.04648	12.04121	6.38224	5.521795	10.2798	6.110582	13.91025	9.136494	8.440934	0.92387
TMEM11	1	7.859764	8.81781	5.108308	8.961916	13.11465	8.550566	7.016866	5.511654	5.334635	13.58017	8.772491	7.998778	0.911802
TMEM110	1	3.180663	3.097521	3.857319	4.563151	3.218957	2.447861	2.862529	3.887691	1.296086	2.12115	3.583522	2.523063	0.704074
TMEM114	1	0.037618	0.021241	0.390244	0.506954	0.102083	0	0	0.145833	0	0.062534	0.211628	0.041673	0.196918
TMEM115	1	7.634282	6.946476	11.2478	13.11264	22.56886	13.04772	12.66474	14.06288	7.620464	16.32097	12.30201	12.74336	1.035876
TMEM116	1	0.12191	0.214159	0.192289	0.210939	0.073516	0.070888	0.777156	0.805176	0.140051	0.416568	0.162563	0.441968	2.718755
TMEM117	1	7.203333	8.96509	14.00968	19.08937	11.50872	12.71451	15.75958	9.776472	6.775667	4.330957	12.15524	9.871438	0.812114
TMEM119	1	0.043863	0.041279	0.223524	0.087573	0	1.836416	0.994215	0.264513	0	0.04861	0.079248	0.628751	7.933962
TMEM120A	1	7.222353	7.797558	12.30501	12.95261	44.21975	20.01865	18.75109	31.76391	13.84965	15.08206	16.89946	19.89307	1.177143
TMEM120B	1	3.719716	4.774515	6.353269	6.91373	8.894163	4.729607	4.772197	8.199954	5.133237	4.197497	6.131079	5.406498	0.881818
TMEM121	1	0.692053	1.603503	6.566843	11.40598	1.003761	0.49955	0.684579	0.339212	1.357044	6.089306	4.254427	1.793938	0.421664
TMEM121B	1	6.654974	6.955274	3.73065	6.206014	19.27861	6.661831	4.564657	0.048381	0.145164	1.384793	8.565105	2.560965	0.299
TMEM123	1	5.810898	3.338133	4.503178	4.516773	1.036911	5.546302	3.018027	1.788737	2.795308	0.56328	3.841178	2.742331	0.713929
TMEM125	1	0.920974	2.712059	4.175506	4.622392	13.82481	1.708269	2.105659	0.783359	2.712021	2.84876	5.251148	2.031614	0.386889
TMEM126A	1	20.51901	23.75856	14.39529	17.11649	35.83486	98.16837	24.41513	11.72616	18.67122	21.16362	22.32484	34.8289	1.560096
TMEM126B	1	3.9139	4.090141	3.12569	4.303565	12.12701	11.61707	10.67535	8.190335	6.039836	5.850732	5.512061	8.474664	1.537476
TMEM127	1	13.09105	11.08158	19.82879	22.65725	5.006043	3.314989	5.856384	4.480442	6.089691	18.4919	14.33294	7.646681	0.533504
TMEM128	1	8.17923	8.126499	6.815371	9.746641	28.30537	19.7617	14.86725	17.05095	20.11052	8.551178	12.23462	16.06832	1.313348
TMEM129	1	2.566284	2.341123	6.294727	6.905265	7.340485	1.209928	1.129947	1.294615	2.669288	3.958559	5.089577	2.052467	0.403269
TMEM130	1	128.8177	115.5735	91.5022	150.5416	216.2826	55.33453	72.98928	42.37096	28.07767	71.65871	140.5435	54.08623	0.384836
TMEM131	1	9.092052	7.483503	9.960779	10.92043	2.564744	4.677618	11.57373	10.30083	12.14502	6.625572	8.004301	9.064553	1.13246
TMEM131L	1	3.226361	3.34902	3.596722	3.376907	3.109279	3.082476	2.447185	5.392283	3.575179	2.679209	3.331658	3.435266	1.031098
TMEM132A	1	20.1243	31.34184	72.57165	43.82521	23.89402	6.663492	14.70914	39.99061	63.92735	238.5229	38.3514	72.7627	1.897263
TMEM132B	1	20.17375	20.7592	11.2123	16.80315	13.94423	8.823965	14.94984	1.557151	4.51225	1.759415	16.57853	6.320524	0.381248

TMEM132C	1	3.431891	3.25982	2.389862	2.86989	2.791934	0.665898	1.390537	4.24685	6.220849	1.075721	2.94868	2.719971	0.922437
TMEM132D	1	10.06346	11.20173	3.313593	5.34391	13.88219	5.920027	17.20449	0.97163	0.312355	0.37944	8.760977	4.957588	0.565872
TMEM132E	1	0.641565	0.783005	2.048322	2.009198	1.139845	0.225842	0.941467	2.20087	2.513522	5.428125	1.324387	2.261965	1.707934
TMEM134	1	2.07546	1.286808	1.955293	3.290534	4.52778	4.365923	2.205124	1.735382	2.52456	6.426671	2.627175	3.451532	1.313781
TMEM135	1	7.577423	9.068425	5.468208	4.580837	4.644826	3.430034	8.657012	6.470936	8.50729	4.068096	6.267944	6.226674	0.993416
TMEM136	1	3.120486	2.36205	2.4264	1.99052	3.513029	9.682029	7.020927	8.301916	16.68116	7.315201	2.682497	9.800247	3.653405
TMEM138	0.253654	3.231	3.611171	6.838139	6.104849	7.592796	2.614775	2.241384	2.266929	1.808068	1.393507	5.475591	2.064933	0.377116
TMEM139	1	0	0	0	0	0	0.30932	0.062798	0	0.038194	0	0	0.082063	#DIV/0!
TMEM140	1	0.458728	0.162524	1.512589	1.476129	0.659032	0.329505	1.013001	0.418432	0.557991	0.463517	0.853801	0.556489	0.651779
TMEM141	1	2.655394	2.671616	7.433619	9.571559	11.39837	20.33949	10.15664	20.71292	10.85715	42.25547	6.746112	20.86434	3.092794
TMEM143	1	1.319058	1.737891	3.429491	3.818556	4.197379	2.50647	2.419198	2.658233	1.826533	3.276021	2.900475	2.537291	0.874785
TMEM144	1	2.412648	5.219836	7.946501	10.83466	6.440755	11.86152	7.209264	2.707819	5.858583	0.947858	6.57088	5.717009	0.870052
TMEM145	1	8.155152	9.226622	21.74656	15.29218	13.97924	16.07324	36.41384	42.5412	27.95084	63.40137	13.67995	37.2761	2.724871
TMEM147	1	20.68831	19.20717	26.8371	25.82233	74.15825	61.42906	33.51684	34.94997	22.50271	51.24078	33.34263	40.72787	1.221495
TMEM14A	1	27.90605	21.1135	8.944886	15.30338	32.27792	21.82294	29.40146	17.44081	15.41378	23.15931	21.10915	21.44766	1.016036
TMEM14C	1	26.25981	30.69341	27.42051	28.72873	132.1465	28.64412	20.77546	12.9579	17.6037	20.2809	49.0498	20.05242	0.408818
TMEM150A	1	0.704024	0.717112	2.502306	3.034393	2.060333	2.275652	2.508027	2.176277	2.67614	6.861306	1.803633	3.29948	1.829352
TMEM150B	1	0	0.012085	0.280456	0.115372	0.31944	0.336022	0.159179	0.165942	0.77451	0.355784	0.145471	0.358288	2.462957
TMEM150C	1	17.83483	13.62517	7.35903	8.758355	16.44957	6.356838	17.85703	5.373	13.22313	8.173916	12.80539	10.19678	0.796288
TMEM151A	1	8.50482	13.58079	37.24236	52.5543	44.73801	8.18116	7.359973	1.482646	5.671945	15.1511	31.32406	7.569365	0.241647
TMEM151B	1	19.69039	16.99083	33.62596	24.38644	29.29694	28.12601	18.25999	15.03461	7.464966	23.6556	24.79811	18.50823	0.746357
TMEM154	1	0.857574	0.139217	0.386287	0.333867	0.116359	0.673195	0.136673	0.166226	0.138542	0.044549	0.366661	0.231837	0.632293
TMEM156	1	1.387354	1.851611	2.07838	2.513457	3.204767	0.060004	0	0.059265	2.845139	0	2.207114	0.592882	0.268623
TMEM158	1	8.461843	5.689037	5.146101	15.16982	18.33233	20.16756	11.64201	13.22949	2.400256	9.088172	10.55983	11.3055	1.070614
TMEM159	1	6.619773	5.7137	5.336933	3.834333	10.67871	2.401625	2.389142	0.652314	1.304818	3.680805	6.436689	2.085741	0.324039
TMEM160	1	5.077473	12.05447	10.33293	13.99614	13.23058	15.85266	5.82381	2.907813	4.921631	31.12417	10.93832	12.12602	1.108581
TMEM161A	1	4.610768	4.745167	6.49744	6.772678	7.558729	8.374047	10.11248	6.157249	3.186304	7.615377	6.036956	7.089092	1.174283
TMEM161B	1	4.486204	5.143058	4.928537	4.738887	5.662793	7.043332	16.40824	16.44288	20.66201	17.68347	4.991896	15.64799	3.134678
TMEM163	1	4.212326	5.151324	11.3737	10.26982	14.21298	8.047985	5.083272	9.753704	10.40802	15.38775	9.044031	9.736147	1.076527
TMEM164	1	3.215753	1.996425	3.333846	2.844344	1.979608	2.971884	1.060869	2.448935	1.115915	1.050729	2.673995	1.729666	0.646847
TMEM165	1	15.94892	18.7027	6.331158	7.082759	12.46218	7.009735	12.64546	8.580095	8.606073	7.10921	12.10554	8.790115	0.726123
TMEM167A	1	19.20883	18.79293	19.30669	18.49892	19.57645	23.99573	40.27217	31.85314	49.05086	20.71176	19.07676	33.17673	1.739117
TMEM167B	1	16.21378	17.10432	10.18129	10.83669	8.888944	13.75689	22.8017	20.85892	21.71129	18.38384	12.64501	19.50253	1.542311
TMEM168	1	2.021814	2.961558	2.477166	2.113557	1.280677	1.838311	3.629593	4.421376	4.519054	1.662635	2.170954	3.214194	1.480544
TMEM169	1	4.511051	4.404343	4.627866	4.370765	3.845316	2.607971	5.000063	4.412556	3.808344	11.82819	4.351868	5.531425	1.271046
TMEM17	1	9.887896	8.573628	7.220545	6.857429	6.64582	4.245464	15.80725	9.889592	11.31534	4.681741	7.837064	9.187877	1.172362
TMEM170A	1	3.904099	4.737055	6.749585	6.081603	5.720137	3.124156	3.19941	3.686439	4.779413	2.590697	5.438496	3.476023	0.639152
TMEM170B	1	8.689689	11.7985	9.376054	9.593124	9.585714	3.855699	4.959615	4.958323	7.359814	6.031607	9.808616	5.433012	0.553902
TMEM171	1	0	0	0.013025	0	0.032369	0	0	0.092483	0.154161	0.099143	0.009079	0.069157	7.61738
TMEM173	1	1.333226	0.903372	0.758144	0.524319	0.42323	3.686073	0.876638	0.819154	0.546182	0.326168	0.788458	1.250843	1.586441
TMEM174	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TMEM175	1	4.438227	4.698859	7.822039	8.771289	7.815244	1.814586	2.652471	2.604021	4.175476	5.852071	6.709132	3.419725	0.509712
TMEM176A	1	0.250155	0.173847	1.050633	0.299659	0.992149	0.201407	0	0	0.198956	0	0.553289	0.080072	0.144721
TMEM176B	1	1.450953	0.625971	2.38552	1.406094	1.681142	0.255954	0.866068	0.969077	0.252839	0.298108	1.509936	0.52841	0.349955
TMEM177	1	0.884456	0.68669	2.655975	2.665267	2.362622	0	0.264294	0.678605	1.214522	0.48243	1.851002	0.52797	0.285235
TMEM178A	1	24.29389	25.76055	32.80575	16.48911	50.326	33.14259	36.42362	65.1308	73.28	98.72103	29.93506	61.33961	2.049089

TMEM178B	1	12.77462	12.30351	10.86521	12.5359	8.119692	5.317834	9.614554	2.821365	3.485513	3.159216	11.31979	4.879696	0.431077
TMEM179	1.02E-06	25.60004	24.12107	28.16501	34.44103	44.56741	3.63751	6.227271	1.711396	2.524981	4.840324	31.37891	3.788296	0.120727
TMEM179B	1	2.414993	2.045449	2.49585	4.830118	10.76646	10.49443	9.02636	10.92247	5.462029	7.383856	4.510573	8.657828	1.919452
TMEM18	1	3.815798	4.421422	6.597396	6.665926	0.916833	2.184145	4.054189	4.314499	2.363046	6.244018	4.483475	3.831979	0.85469
TMEM181	1	25.99752	31.37064	18.47969	22.26807	23.02422	5.27215	20.86992	8.484023	9.584282	10.20718	24.22803	10.88351	0.449212
TMEM182	1	0.388716	0.281519	0.212235	0.258127	0.252246	0.972915	0.834979	0.884497	1.266871	0.582962	0.278568	0.908445	3.261119
TMEM183A	1	23.61975	25.70624	18.40578	14.49114	20.6815	26.48407	26.24145	30.6392	14.95702	15.36705	20.58088	22.73776	1.1048
TMEM184A	1	0.045237	0	0.032932	0.054189	0	0.078913	0.128168	0.292281	0	0	0.026472	0.099873	3.772818
TMEM184B	1	13.95896	13.46908	21.97515	27.28934	18.51942	7.08116	10.06859	4.768612	5.77404	9.708736	19.04239	7.480228	0.39282
TMEM184C	1	19.58007	19.40431	17.08302	17.23213	23.44938	14.58614	30.88657	22.15197	25.09889	12.9032	19.34978	21.12535	1.091762
TMEM185A	1	14.64148	12.52905	10.1264	11.34512	22.06901	4.401459	9.573049	12.45585	11.26672	15.54926	14.14221	10.64927	0.753013
TMEM185B	1	0.071072	0	0	0	0	0	0.037756	0	0.551128	0.443048	0.014214	0.206386	14.51945
TMEM186	1	1.929543	2.658433	2.359865	3.06644	3.560578	0.605876	2.186763	2.759359	1.263505	1.817608	2.714972	1.726622	0.635963
TMEM187	1	0.353056	0.354948	0.705239	0.732381	0.443988	0.18026	0.073193	0.04451	0.111291	0.085887	0.517922	0.099028	0.191203
TMEM189	1	14.66234	12.34292	17.65972	21.40227	30.31959	14.39838	17.21819	12.5952	8.716017	7.418083	19.27737	12.06917	0.62608
TMEM19	1	22.96459	23.49238	21.20864	21.70734	10.1433	3.483977	21.81661	16.32144	25.92234	10.05135	19.90325	15.51914	0.779729
TMEM190	1	0	0.390596	0	0.124296	0	0.181006	0.293985	0.446944	0.178804	0	0.102978	0.220148	2.137807
TMEM191C	1	0.270393	0.28983	1.881684	0.367822	0.5099	0	0	0	0.402766	0.426629	0.663926	0.165879	0.249846
TMEM192	1	8.240227	7.488021	5.428453	6.364481	8.407218	18.11424	18.62999	15.77443	12.33419	8.808398	7.18568	14.73225	2.050223
TMEM196	1	5.726614	1.907637	1.479723	3.574473	1.674911	5.00297	12.80975	0.563699	0.455823	0.223717	2.872672	3.811191	1.326706
TMEM198	1	3.872607	3.334805	3.740517	3.213929	13.16485	4.415386	7.494035	5.691127	2.311675	6.227188	5.465341	5.227882	0.956552
TMEM199	1	9.438107	9.14048	5.933889	7.091852	18.3164	12.22345	15.61898	20.42543	13.25752	17.76534	9.984146	15.85814	1.588332
TMEM200A	1	3.794273	4.500012	0.112436	0.067838	4.316948	6.412332	40.26944	2.78083	0.425835	0.102698	2.558301	9.998227	3.90815
TMEM200B	1	0.559605	0.339103	2.802013	1.602293	1.963047	0.678577	0.319035	3.492205	5.609508	4.413014	1.453212	2.902468	1.997277
TMEM200C	1	2.858604	2.534083	3.412668	5.393723	8.159245	3.061764	3.761086	0.344513	1.607963	1.329562	4.471664	2.020978	0.451952
TMEM201	1	1.448717	1.147452	2.913403	3.321621	2.348132	0.703272	0.842743	0.423544	1.186095	6.369334	2.235865	1.904998	0.852018
TMEM202	1	1.00235	0.873794	0.576077	0.505562	4.008494	0.276086	0.336307	0.090895	0.090909	0	1.393255	0.158839	0.114006
TMEM203	1	23.1639	19.46726	17.19279	20.37094	38.34013	37.99472	28.74759	19.39626	19.11427	16.22061	23.70701	24.29469	1.024789
TMEM204	1	1.654973	4.084047	0.508693	1.130749	9.348044	3.849341	1.094095	0.190097	0.506999	1.161583	3.345301	1.360423	0.406667
TMEM205	1	1.247374	1.230103	1.649877	2.525444	7.342031	17.1013	8.661136	9.081032	5.358588	10.48458	2.798966	10.13733	3.621812
TMEM206	0.196268	12.61165	9.242138	6.040642	9.094444	12.60229	2.323136	3.942469	3.471211	4.589726	1.002827	9.918232	3.065874	0.309115
TMEM207	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TMEM208	1	10.63256	10.12775	10.57971	10.29648	47.9315	46.93311	37.48013	42.50295	19.77767	30.22898	17.9136	35.38457	1.975291
TMEM209	1	3.093608	3.350583	2.393971	2.742886	2.035961	3.110494	7.691818	8.33521	5.087484	1.409156	2.723402	5.126832	1.88251
TMEM210	1	0	0	0	0.043115	0.039069	0	0.045889	0.074416	0.186068	0.514551	0.016437	0.164185	9.98888
TMEM211	1	0.022848	0.038703	0	0.027369	0	0	0	0	0	0.911535	0.017784	0.182307	10.25116
TMEM212	1	0	0	0.092615	0.076198	0	0	0	0	0.137017	0.193859	0.033763	0.066175	1.960018
TMEM213	1	0	0	0	0.014212	0	0	0	0	0	0	0.002842	0	0
TMEM214	1	8.783673	8.092186	15.10256	17.46729	13.85206	14.91939	9.755393	10.81944	23.10253	13.77953	12.65955	14.47526	1.143425
TMEM215	1	4.718901	5.669443	0.902706	1.000577	1.783741	0.495714	2.458061	1.246279	0.25226	0	2.815073	0.890463	0.31632
TMEM216	1	0.184643	0.368293	0.65987	1.008251	1.743955	0.38903	0.168153	0.161133	0.471072	0.279036	0.793003	0.293685	0.370345
TMEM217	1	0.131204	0.222254	0.225142	0.179621	0.203454	0	0.059743	0.048441	0	0	0.192335	0.021637	0.112496
TMEM218	1	7.4582	5.573363	6.907794	8.639276	7.013551	1.739014	6.694991	6.77498	2.608588	1.984501	7.118437	3.960415	0.55636
TMEM219	1	5.400056	4.102139	5.578272	7.146265	20.52996	20.6286	6.704615	15.69209	6.53361	9.770051	8.551337	11.86579	1.387595
TMEM220	1	3.178816	2.496881	1.439502	2.418656	2.309393	0.392971	0.709168	0.776265	1.595888	0.693472	2.36865	0.833553	0.35191
TMEM221	1	0.141742	0.220097	0.425645	0.668558	0.817365	0.092723	0.037649	0.045791	0.366379	0.073632	0.454682	0.123235	0.271036

TMEM222	1	5.810659	5.804255	8.50549	11.32747	20.02939	7.56607	7.173227	5.66725	5.399869	13.78744	10.29545	7.91877	0.769152
TMEM223	1	7.854738	7.164555	10.94145	13.81214	33.33912	4.743048	3.958745	2.342322	6.637545	6.905248	14.6224	4.917381	0.336291
TMEM225	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TMEM225B	1	1.800463	1.509736	0.910436	0.830849	2.964677	1.260083	1.237115	2.024743	0.33441	1.529342	1.603232	1.277139	0.796603
TMEM229A	1	4.69522	3.673461	3.379777	3.725586	5.014969	1.415326	7.055809	1.766787	0.932067	0.811722	4.097803	2.396342	0.584787
TMEM229B	1	7.059381	8.790669	14.75536	10.81049	14.0225	12.47272	10.38804	6.771923	7.403365	10.81408	11.08768	9.570026	0.863122
TMEM230	1	14.26125	13.96714	15.67305	17.96142	28.61782	14.1703	10.31779	7.918685	13.31375	14.87396	18.09614	12.1189	0.669695
TMEM231	0.000109	10.61227	12.5586	8.364835	9.515246	16.78981	2.176754	3.326725	2.329113	1.642562	2.477632	11.56815	2.390557	0.20665
TMEM232	1	1.956748	1.284748	0.795063	0.77873	1.728828	0.170105	0.06907	0.016801	0.537711	0.172905	1.308823	0.193318	0.147704
TMEM233	1	0	0	0.16817	0.055344	0	0.080596	0.032725	0.039802	2.109795	3.558501	0.044703	1.164284	26.04492
TMEM234	1	3.110855	3.366046	4.36079	5.095736	13.46767	7.193542	5.042359	5.235236	4.936798	5.48396	5.88022	5.578379	0.948668
TMEM235	1	0.017793	0.040188	0.27202	0.042629	0.120713	0	0	0	0	0	0.098669	0	0
TMEM236	1	0.023482	0.007955	0.041027	0.016877	0.012744	0.036867	0.049898	0.127444	0.169951	0.015614	0.020417	0.079955	3.916038
TMEM237	1	5.204958	4.940751	3.009682	3.878456	5.171585	2.332495	2.699752	3.720461	5.985385	5.015994	4.441086	3.950817	0.889606
TMEM238	1	0.344012	0.485618	0.821743	1.210512	0.408421	0.05626	0.045688	0.111135	0.500179	0.553991	0.654061	0.253451	0.387503
TMEM239	1	0.033794	0	0.009226	0.020241	0.011463	0.022107	0	0	0.021838	0.617941	0.014945	0.132377	8.857849
TMEM240	1	7.152171	11.36977	12.62341	13.68341	14.61466	10.68136	7.945239	4.65434	6.916025	25.17565	11.88868	11.07452	0.931518
TMEM241	1	5.347631	5.743866	3.46737	3.735348	8.281351	2.363254	5.494858	5.343984	4.718134	7.799096	5.315113	5.143865	0.967781
TMEM242	1	5.514641	5.092948	4.389049	4.943718	8.732243	5.133435	11.66749	8.903807	9.214308	2.604988	5.73452	7.504807	1.308707
TMEM243	1	4.404833	3.764874	3.096844	3.975462	8.432785	7.105048	3.141386	7.953234	15.75281	6.519858	4.73496	8.094468	1.709511
TMEM244	1	0.025518	0	0	0	0	0	0	0	0	0	0.005104	0	0
TMEM245	1	9.38165	11.49812	13.0691	14.16821	7.919693	9.051191	6.066118	5.67963	11.80399	5.099841	11.20735	7.540154	0.672786
TMEM246	1	0.124103	0.112899	0.474312	0.305583	0	0.018041	0.344291	0.169278	0.605924	0.349564	0.203379	0.297419	1.462388
TMEM247	1	0	0.060083	0	0	0	0	0	0	0	0	0.012017	0	0
TMEM248	1	15.71858	14.25165	16.7862	17.76655	5.358676	9.03053	14.82202	16.25265	13.78928	15.46359	13.97633	13.87162	0.992508
TMEM249	1	0.665528	0.861573	1.55984	1.361128	1.145284	0.084949	0	0	1.34265	0.512689	1.118671	0.388058	0.346892
TMEM25	1	11.00039	12.84984	21.78465	15.64805	45.77223	8.815202	15.04784	10.35026	10.722	18.33395	21.41103	12.65385	0.590997
TMEM250	0.21412	7.230171	6.856018	9.755532	12.16745	14.58416	0.306379	0.298567	0.166434	1.029013	3.659212	10.11867	1.091921	0.107912
TMEM251	1	2.086764	2.077157	1.855389	1.906903	3.267857	3.841677	3.470298	2.77117	3.325888	4.168163	2.238814	3.515439	1.570224
TMEM252	1	0	0	0.184522	0.347005	0.098262	0	0.038472	0	0	0.160515	0.125958	0.039797	0.315958
TMEM253	1	0.047367	0.080237	0	0	0.128538	0.030986	0.08807	0.413155	0.061217	0.019685	0.051228	0.122623	2.393652
TMEM254	0.00141	18.16795	16.19543	18.43178	22.3563	45.27154	2.179575	5.343387	4.122694	4.3061	1.737352	24.0846	3.537822	0.146891
TMEM255A	1	2.250851	1.909524	8.34482	6.385581	1.802625	3.189068	3.044753	1.830289	3.490825	0.985609	4.13868	2.508109	0.606017
TMEM255B	1	0.040418	0.020286	0.196158	0.398091	0	0	0.047715	0.081245	0.046432	0.09705	0.130991	0.054488	0.415971
TMEM256	1	15.84395	12.69943	15.86655	21.29393	126.7836	64.31092	22.08923	13.78243	21.37586	37.32278	38.4975	31.77624	0.825411
TMEM258	1	23.93316	19.84858	31.39775	42.55611	168.3428	102.418	41.93916	31.2491	31.79065	29.35517	57.21568	47.35042	0.827578
TMEM259	1	24.37364	19.3049	39.8226	46.42329	43.36774	20.58121	15.21587	15.39055	14.0987	33.84823	34.65844	19.82691	0.572066
TMEM26	1	0.766069	2.138018	6.777507	10.6964	1.297631	2.987665	2.758026	1.160173	2.169335	0.12978	4.335124	1.840996	0.42467
TMEM260	1	8.34552	6.072097	6.135882	7.203511	4.0374	6.844565	12.35191	14.75459	12.52086	4.049179	6.358882	10.10422	1.588993
TMEM262	5.19E-06	0.160979	0.121196	0	0	0	18.25321	10.4332	5.131172	1.664406	10.30263	0.056435	9.156924	162.2559
TMEM263	1	14.20889	12.95055	0.549233	0.80133	9.335874	13.6085	18.2976	13.32393	0.416027	0.777576	7.569174	9.284726	1.22665
TMEM265	1	2.92544	3.228059	7.608331	6.981983	26.96728	4.090401	2.609945	7.618349	2.770712	7.238903	9.542219	4.865662	0.509909
TMEM266	1	1.019118	1.348192	5.521887	1.319621	2.844566	2.742879	3.279297	14.38584	6.171635	15.09374	2.410677	8.33468	3.457403
TMEM267	1	1.250322	1.335513	1.14915	1.472791	1.38546	0.299903	0.210336	0.552029	1.185014	0.675497	1.318647	0.584556	0.4433
TMEM268	1	3.869228	3.290642	3.964311	4.243912	5.74681	7.791257	7.42679	3.271539	4.897733	3.05716	4.222981	5.288896	1.252408
TMEM269	1	0.17044	0.158872	0.206797	0.119909	0.110123	1.005235	1.011795	1.006841	0.433564	0.733056	0.153228	0.838098	5.469608

TMEM270	1	0	0.075928	0	0	0	0	0	0	0	0.149022	0.015186	0.029804	1.962661
TMEM273	1.38E-05	0.584776	0.717321	0.121107	0.04831	0.164161	0	0	0	0	0.00419	0.327135	0.000838	0.002562
TMEM30A	1	94.09536	100.1102	63.43852	53.08172	18.44133	32.74257	141.7083	95.62474	122.8147	106.096	65.83343	99.79726	1.515906
TMEM30B	0.46917	2.952497	1.311103	1.038259	1.037055	1.480202	0.052378	0.297745	0.193997	0.258701	0.049912	1.563823	0.170546	0.109057
TMEM30C	1	0.050759	0.200629	0.083142	0.060804	0.206615	0.332049	0.269652	0.262368	0	0.126568	0.12039	0.198127	1.645713
TMEM33	1	19.03971	21.23892	15.35745	14.7986	15.48368	9.162043	23.97719	18.43667	22.83683	12.27919	17.18367	17.33838	1.009004
TMEM35A	1	29.8333	33.16354	25.51795	26.3257	44.60381	15.76609	38.1572	35.80603	35.45621	19.83412	31.88886	29.00393	0.909532
TMEM35B	1	0.659897	0.496817	0.388892	0.539538	0.852735	1.041519	1.001606	1.597183	1.462041	0.435305	0.587576	1.107531	1.884915
TMEM37	1	0.83907	0.040322	0.701807	0.449095	0.775135	0	0	0	0.461456	0.771599	0.561086	0.246611	0.439525
TMEM38A	1	12.92164	13.13138	11.96846	11.8756	39.26932	16.25889	28.4735	11.79909	9.585489	13.76753	17.83328	15.9769	0.895904
TMEM38B	1	1.906234	2.253855	2.738173	1.839033	2.152478	4.954497	5.89927	8.596669	12.03709	3.743008	2.177955	7.046106	3.235194
TMEM39A	1	2.181617	2.110224	3.438774	3.090566	5.559833	3.623694	3.688506	8.727055	5.541015	4.698781	3.276203	5.25581	1.604238
TMEM39B	1	2.640531	2.147783	2.50328	2.440958	7.142492	3.954565	3.915067	3.774212	1.580132	4.205961	3.375009	3.485988	1.032883
TMEM40	0.072358	0.110404	0.110826	0.053582	0.176336	0.133155	8.538279	4.926644	0.570664	1.268326	3.548201	0.11686	3.770423	32.26432
TMEM41A	1	6.025184	4.725191	8.093685	7.79035	3.276562	2.940462	4.420157	9.763237	7.416195	9.439556	5.982194	6.795921	1.136025
TMEM41B	1	11.40722	13.2999	8.443131	9.421261	14.6466	10.52422	22.26276	24.00023	23.39131	12.42079	11.44362	18.51986	1.618357
TMEM42	1	1.288761	1.229323	2.650647	2.577995	7.673631	2.815669	3.004432	2.910347	2.199249	3.827113	3.084071	2.951362	0.956969
TMEM43	1	6.762663	3.818557	7.637885	7.649613	8.821897	7.103526	10.83933	7.70268	3.19639	2.26442	6.938123	6.221268	0.896679
TMEM44	1	1.103155	0.61521	0.981546	1.544426	0.94859	3.207319	1.003257	0.563169	0.046938	0.732016	1.038585	1.11054	1.069281
TMEM45A	1	0.64846	0.151989	0.668025	0.205189	0.398425	0.448212	0.337987	0.474314	0.126502	0.427115	0.414417	0.362826	0.875508
TMEM45B	1	0	0	0.023365	0.051262	0.014516	0	0.022733	0.027649	0.027653	0.017784	0.017828	0.019164	1.074909
TMEM47	1	11.26404	9.020946	28.27556	22.60502	4.505878	11.15558	28.41747	19.89077	40.83131	28.57179	15.13429	25.77338	1.70298
TMEM50A	1	30.22378	36.44974	25.22885	28.111	42.53666	25.09443	27.28748	31.31037	35.11779	26.63068	32.51	29.08815	0.894745
TMEM50B	1	30.03	29.94262	16.46537	16.19355	55.13796	18.67287	30.26442	18.73232	31.99042	20.02751	29.5539	23.93751	0.809961
TMEM51	1	7.75084	2.454334	6.111552	7.130544	6.132517	3.472488	1.961704	2.485311	2.833666	3.325027	5.915958	2.815639	0.47594
TMEM52	1	0.150127	0.169539	0.163936	0.377656	0.081479	0.392832	0.063802	0.232797	3.026798	12.07876	0.188547	3.158997	16.75439
TMEM52B	1	0	0.007101	0	0	0	0	0	0	0	0.073164	0.00142	0.014633	10.30397
TMEM53	1	3.190926	2.825626	4.402548	6.006614	6.1576	6.679665	6.242418	5.916728	8.954936	11.40022	4.516663	7.838793	1.735527
TMEM54	1	0.264706	0.13452	0.202338	0.285381	0.143665	0.207794	0.449989	0.102618	0.136843	0.74805	0.206122	0.329059	1.596429
TMEM59	1	56.29858	39.04761	45.27475	54.95724	62.92176	53.03436	46.36867	59.58374	69.64311	54.84115	51.69999	56.69421	1.0966
TMEM59L	1	202.1774	188.0537	209.9521	280.4163	505.5766	197.9633	276.3892	184.8687	117.213	259.073	277.2352	207.1014	0.747024
TMEM60	1	3.843024	3.776001	2.84509	4.031344	10.95898	7.840195	7.935548	5.611343	3.030566	3.970185	5.090887	5.677567	1.115241
TMEM61	1	1.108144	0.162524	0.942913	0.879213	0.663914	0.150631	0.091744	0	0.520791	1.626794	0.751341	0.477992	0.636185
TMEM62	1	4.166619	5.134569	4.497049	3.64198	5.737797	10.3783	9.059418	11.33985	12.18095	9.660079	4.635603	10.52372	2.270194
TMEM63A	1	3.710869	5.281021	21.70988	22.60088	10.81655	12.8433	10.38398	6.258936	10.17748	3.738879	12.82384	8.680515	0.676905
TMEM63B	1	16.37006	16.16803	21.48441	20.86388	27.29137	9.088227	29.14172	20.40792	11.51248	15.01995	20.43555	17.03406	0.83355
TMEM63C	1	5.788847	6.178819	13.68624	12.58953	5.909379	4.447733	9.806732	60.60634	13.96005	26.65117	8.830565	23.0944	2.615281
TMEM64	1	2.040701	2.57499	2.185476	1.922241	1.658428	0.71073	2.096047	2.715548	2.789847	2.216003	2.076367	2.105635	1.014096
TMEM65	1	18.03155	18.00235	10.05874	9.347754	17.21288	15.86072	39.49261	15.024	25.80852	15.27285	14.53065	22.29174	1.534118
TMEM67	1	3.679242	4.068108	4.170856	2.439488	2.345624	1.870996	4.260104	5.695919	7.486485	4.257969	3.340664	4.714295	1.411185
TMEM68	1	7.396066	7.907617	5.024683	4.695717	6.616645	5.562152	8.622026	8.773701	13.86543	5.102884	6.328146	8.38524	1.325071
TMEM69	1	2.332266	1.913001	1.367224	1.779214	3.830713	3.918612	7.277419	6.662094	2.728683	2.264987	2.244484	4.570359	2.036263
TMEM70	1	16.97326	21.48615	11.67604	11.13865	44.35546	16.35436	19.62869	22.60625	21.46125	20.55025	21.12591	20.12016	0.952392
TMEM71	1	0.244759	0.325766	0.152727	0.439793	0.616753	1.235157	1.504576	6.031965	2.485441	0.682962	0.35596	2.38802	6.708684
TMEM72	1	0.02137	0.040223	0.155573	0.085331	0.077322	0.037279	0.211917	0.14728	0.147302	0.189464	0.075964	0.146648	1.930505
TMEM74	1	1.74376	3.184701	1.348395	0.849528	0.181129	0.087327	1.046023	0.51751	1.250831	0.457691	1.461503	0.671876	0.459716

TMEM74B	1	0.303679	0.533473	1.04642	0.420363	0.622643	0.600385	0.430202	0.592992	0.139548	0.426289	0.585316	0.437883	0.748115
TMEM79	1	0	0	0	0	0	2.062282	1.332184	7.522598	4.398466	3.066923	0	3.676491	#DIV/0!
TMEM80	1	2.62493	2.182951	7.531723	6.946597	8.583602	2.873874	1.867061	1.277319	1.249116	1.752707	5.573961	1.804015	0.323651
TMEM81	1	0.689447	0.709607	0.457435	0.439078	1.2315	1.05046	1.00142	2.345708	0.315814	0.275642	0.705413	0.997809	1.414503
TMEM82	1	0.219776	0.157942	1.461766	1.711246	1.030146	0	0.318418	0.309818	0.723013	0.265703	0.916175	0.32339	0.352979
TMEM86A	1	3.294029	3.420148	4.080196	3.262727	8.111728	4.991513	3.781898	5.667016	1.880808	2.647987	4.433765	3.793844	0.855671
TMEM86B	1	0.074306	0.419572	1.095402	1.112636	1.209855	0	0.039474	0.19204	0.288102	0.957293	0.782354	0.295382	0.377555
TMEM87A	1	17.97907	18.51378	15.82747	17.07446	11.63244	22.53004	35.59648	35.7859	23.78634	15.95352	16.20544	26.73046	1.649474
TMEM87B	1	7.706538	6.368472	6.549215	7.570697	5.33763	0.93749	1.515028	3.407483	3.796933	3.281623	6.70651	2.587712	0.385851
TMEM88	1	0.775357	1.045874	2.681138	2.631588	7.948691	4.0577	1.739129	2.337845	1.447448	2.291383	3.01653	2.374701	0.787229
TMEM88B	1	1.953212	4.818766	6.644707	8.180091	5.504235	2.673393	2.186982	0.970762	0.660214	3.022105	5.420202	1.902691	0.351037
TMEM89	1	0	0	0.39822	0	0.395846	1.908476	0	3.392956	0	0.181865	0.158813	1.096659	6.905339
TMEM8A	1	0.883887	0.789257	3.202326	1.945242	0.985462	3.514074	2.795482	3.01039	2.58577	3.815662	1.561235	3.144276	2.013967
TMEM8B	1	3.750589	4.125137	8.153005	10.34517	8.737422	15.33328	7.487468	7.373678	9.189102	7.645381	7.022264	9.405782	1.339423
TMEM9	1	12.25879	11.71014	16.13324	19.00698	20.23161	5.539785	9.384526	10.14888	6.178477	12.71509	15.86815	8.793352	0.554151
TMEM91	1	0.519886	0.097852	0.709632	1.011998	0.999316	0	0.092061	0.055984	0.447937	0.900233	0.667737	0.299243	0.448145
TMEM92	1	0.023374	0.039594	0.025524	0.055999	0.031714	0	0	0	0	0	0.035241	0	0
TMEM94	1	5.561051	5.323908	13.52856	16.50706	6.107178	9.945261	14.15058	17.41613	14.31671	23.63731	9.405553	15.8932	1.689768
TMEM95	1	0.021687	0.073474	0.14209	0.116904	0	0.113495	0	0.420365	0.504511	0.108153	0.070831	0.229305	3.237353
TMEM97	1	5.721328	6.065289	10.93943	15.19699	13.10181	17.04185	9.514591	15.60467	6.663637	12.23617	10.20497	12.21218	1.19669
TMEM98	1	5.514608	4.984101	8.142744	9.742685	15.67072	18.92219	13.30281	7.686322	10.04074	3.834046	8.810972	10.75722	1.220889
TMEM9B	1	34.81824	32.29263	21.645	23.1922	59.03562	28.79335	38.80249	22.38595	33.01687	37.70883	34.19674	32.1415	0.9399
TMF1	1	8.196795	9.26651	7.436	6.927918	1.770032	4.574111	10.3213	14.31756	15.66844	13.17041	6.719451	11.61037	1.727874
TMIE	1	0.102373	0.02102	0.650414	0.501679	0.277808	4.578261	3.361958	1.178577	0.096224	1.53161	0.310659	2.149326	6.918607
TMIGD1	1	0.046411	0	0.016893	0.055595	0.041981	0.04048	0	0	0	0.051433	0.032176	0.018383	0.571318
TMIGD2	1	1.665381	1.340714	1.296402	2.310981	4.966751	0	0.140153	0.042615	0.340967	0.630432	2.316046	0.230833	0.099667
TMIGD3	1	0.417353	0.65461	0.25319	0.291634	0.06292	0.242683	0	0	0	0	0.335941	0.048537	0.144479
TMLHE	1	2.390759	1.790307	1.563605	1.271132	1.457138	3.479168	10.26915	6.046614	9.385181	3.315408	1.694588	6.499105	3.835212
TMOD1	1	14.25389	15.82066	17.24988	31.0389	30.95168	22.37503	35.24305	0.210806	0.878487	1.355921	21.863	12.01266	0.549452
TMOD2	1	59.54832	78.35771	43.3958	51.41503	42.02903	70.61962	62.72965	38.25453	71.70543	49.64665	54.94918	58.59117	1.066279
TMOD3	1	6.615058	7.206589	7.256584	6.778791	3.639528	9.033936	4.96442	4.9086	7.582039	5.731954	6.29931	6.44419	1.022999
TMOD4	1	1.059036	0.515696	1.124617	1.873822	2.952972	0.762699	0.268396	0.075331	1.054784	2.067342	1.505229	0.84571	0.561848
TMPO	1	3.843336	3.660665	4.065413	3.798473	3.615427	3.909739	5.018319	10.39949	10.0738	7.140949	3.796663	7.308459	1.924969
TMPPE	1	0	0.021104	0	0	0	0	0.07942	0	0	0	0.004221	0.015884	3.763285
TMPRSS11A	1	0	0	0.015697	0	0	0	0	0	0	0	0.003139	0	0
TMPRSS11BNL	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TMPRSS11D	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TMPRSS11E	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TMPRSS11F	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TMPRSS12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TMPRSS13	1	0.30243	0.109291	0.05284	0.108684	0.164139	0.094963	0.78403	0.343909	0	0	0.147477	0.24458	1.658436
TMPRSS15	1	0	0	0	0	0	0	0.020471	0	0	0	0	0.004094	#DIV/0!
TMPRSS2	1	0.044545	0	0.037417	0.008209	0	0.035864	0.007281	0.017711	0.070856	0.074049	0.018034	0.041152	2.281894
TMPRSS3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TMPRSS4	1	0	0.038827	0	0	0	0	0.182647	0	0.08887	0	0.007765	0.054303	6.992962
TMPRSS5	1	0.333692	0.212577	0.691398	1.660408	1.416343	0.17911	0.145452	0	0.088465	0.455145	0.862884	0.173634	0.201226

TMPRSS6	1	0.010677	0	0.081614	0.08953	0.028974	0	0.079408	0	0.60716	0.532463	0.042159	0.243806	5.78304
TMPRSS7	1	0.016672	0.094138	0	0	0.045242	0.174499	0.230275	0.043088	0.086188	0.027714	0.03121	0.112353	3.599842
TMPRSS9	1	0.046411	0.349413	0.664466	0.382989	0.2239	0.323844	0.208199	0.19991	0.319902	1.465853	0.333436	0.503541	1.510161
TMSB10	1	205.634	177.4641	183.94	221.4411	529.3834	1874.184	420.5394	119.305	149.9316	67.06793	263.5725	526.2057	1.996436
TMSB15B	1	1.859982	1.443699	1.378008	1.491946	9.126973	3.560481	2.529982	3.544998	1.730211	1.47755	3.060122	2.568644	0.839393
TMSB4X	1	40.48743	64.08992	164.3416	217.9657	1758.681	1114.408	453.8998	282.204	227.0321	257.605	449.1132	467.0297	1.039893
TMTC1	1	3.124021	3.403459	5.096988	5.805984	0.511147	6.587696	10.4457	5.188639	4.251266	2.039081	3.58832	5.702476	1.589177
TMTC2	1	11.56666	12.83996	16.3084	18.73669	12.60295	10.70811	17.30212	21.46144	23.53651	18.85946	14.41093	18.37353	1.274972
TMTC3	1	2.493507	3.222012	4.299931	4.342738	1.199744	2.066916	5.624257	5.271246	6.216708	3.806969	3.111586	4.597219	1.477452
TMTC4	1	7.807981	11.87544	12.4766	14.11743	8.19104	10.82522	15.33706	18.03402	31.18549	21.08149	10.8937	19.29266	1.770992
TMUB1	1	2.65564	2.553228	4.4413	6.333691	5.55098	3.255349	3.075745	2.62786	2.288117	7.616111	4.306968	3.772636	0.875938
TMUB2	1	9.10239	9.889026	8.665723	9.583866	28.10117	9.572382	14.75143	11.48314	7.036073	9.014083	13.06844	10.37142	0.793624
TMX1	1	10.17687	10.41745	7.724287	7.668908	6.759975	11.83531	26.6297	29.4217	16.65787	11.00971	8.549499	19.11086	2.235319
TMX2	1	49.30398	47.21562	44.99938	48.7246	107.5729	67.32829	112.2351	98.42691	42.36566	70.333	59.56331	78.13778	1.311844
TMX3	1	23.71167	28.49319	16.20621	16.2163	16.53281	4.017333	12.98923	9.468292	10.22556	4.996295	20.23204	8.339342	0.412185
TMX4	0.866609	32.58527	31.70471	37.23389	30.73426	10.76388	3.121945	11.14189	9.047646	5.004658	5.236694	28.6044	6.710566	0.234599
TNC	1	3.28008	1.35717	16.22633	7.380352	1.358319	6.627277	16.19472	22.26601	51.18052	20.19988	5.920451	23.29368	3.934444
TNF	1	0.320568	0	0.675967	0.609114	0.059994	0.231398	0.35234	0.19998	0	0	0.333129	0.156744	0.47052
TNFAIP1	1	4.618533	4.327743	5.199035	5.377249	6.366245	8.795365	8.547215	6.319893	5.226396	3.741814	5.177761	6.526137	1.260417
TNFAIP2	1	0.657682	0.392225	1.234617	1.318956	1.082871	0.096682	0.455378	0.114589	0.38202	0.38695	0.93727	0.287124	0.30634
TNFAIP3	1	0.450839	0.233927	0.807206	0.720076	0.231459	0.467626	0.310706	0.262425	0.7139	0.182297	0.488701	0.387391	0.792694
TNFAIP6	1	0.244912	0.480377	0.675636	0.463229	0.104939	2.428493	6.820314	1.832256	8.329646	1.049955	0.393818	4.092133	10.39091
TNFAIP8	1	0.942306	0.392917	0.775692	0.625172	0.432741	7.359159	4.004705	0.730601	2.060969	0.168692	0.633766	2.864825	4.520322
TNFAIP8L1	1	0.644755	0.583942	1.449945	1.208227	1.039398	0.801793	0.447647	0.181482	0.990044	0.91262	0.985253	0.666717	0.676696
TNFAIP8L2	1	0.812953	0.487141	1.992861	2.086782	2.386177	2.778417	0.387803	0.514538	1.886915	0.551592	1.553183	1.223853	0.787965
TNFAIP8L3	1	6.560082	3.524936	1.987288	2.839121	9.877187	5.149659	2.945354	1.531343	2.078554	0.211065	4.957723	2.383195	0.480704
TNFRSF11A	1	0.804042	1.185567	0.475423	0.504711	1.162413	0.275621	0.32828	0.181485	0.744196	0.099223	0.826431	0.325761	0.394178
TNFRSF11B	1	1.984014	0.645585	0.587527	0.140987	0.775656	0.087991	1.643498	0.934261	0.869206	1.481347	0.826754	1.003261	1.213494
TNFRSF12A	1	0.314671	0.112219	1.121268	0.85308	2.741511	3.120206	2.252327	1.583695	1.626734	7.653602	1.02855	3.247313	3.157177
TNFRSF13B	1	0.012647	0	0	0	0	0	0.053749	0.163428	0	0.084095	0.002529	0.060254	23.82145
TNFRSF13C	1	0.077034	0.086995	0.033648	0.036911	0	0	0.065477	0.318544	0.398238	0.051222	0.046918	0.166696	3.552957
TNFRSF17	1	0.070242	0	0.038351	0.063107	0.333573	0.827095	0.018658	0.045384	0.453905	0.408678	0.101054	0.350744	3.470842
TNFRSF18	1	0	0	0.218902	0.150083	0	0.196704	0	0	0	0.354064	0.073797	0.110154	1.492656
TNFRSF19	0.000578	6.490242	5.471192	10.87789	10.4167	7.943176	0.728662	0.437076	0.498875	0.703435	2.761676	8.239841	1.025945	0.12451
TNFRSF1A	1	4.592635	2.049644	8.875464	8.677607	4.090059	2.766889	0.804876	0.571037	1.183034	1.036297	5.657082	1.272426	0.224926
TNFRSF1B	1	1.109818	0.942422	3.025053	3.617326	0.186771	3.106628	1.078606	0.667038	1.645599	1.086911	1.776278	1.516956	0.854008
TNFRSF21	1	22.43037	21.22725	19.04347	23.24404	29.79655	44.25104	48.12354	6.688323	15.28982	15.98757	23.14834	26.06806	1.126131
TNFRSF25	1	1.722948	1.566696	2.410831	4.163557	3.845661	1.522309	1.584926	0.92527	2.506304	1.71103	2.741939	1.649968	0.601752
TNFRSF4	0.059218	0.068419	0.386327	0.522982	0.635175	1.763821	0	0	0.088412	0	0.056867	0.675345	0.029056	0.043024
TNFRSF6B	1	0.055292	0.249767	2.012596	1.920788	0.400119	0.192908	0.078329	0	0.28584	3.76847	0.927712	0.865109	0.932519
TNFRSF8	1	0.093807	0.101522	0.196334	0.510349	0.06364	0	0.016611	0.020203	0.040412	0.051979	0.19313	0.025841	0.133802
TNFRSF9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TNFSF10	1	1.751653	1.789756	0.690323	0.294497	0.095306	7.696582	2.201587	1.781319	2.882299	0.350296	0.924307	2.982417	3.22665
TNFSF11	1	0	0.066906	0	0	0.267955	0	0	0	0	0.065657	0.066972	0.013131	0.196073
TNFSF12	1	7.817209	5.874818	8.704216	10.5033	17.57026	13.17317	5.25971	15.39631	6.867896	17.13269	10.09396	11.56596	1.145829
TNFSF13	1	4.967104	4.286747	2.329457	2.981295	10.95353	4.651644	4.310821	5.648367	3.243553	5.840729	5.103627	4.739023	0.92856

TNFSF13B	1	0.352142	0.099419	0.128177	0.18455	0.159266	1.919658	1.122424	0.663607	0.872296	0.353665	0.184711	0.98633	5.339865
TNFSF14	1	0.034044	0	0.111526	0.067968	0	0	0	0.029328	0.058665	0.04716	0.042708	0.027031	0.632924
TNFSF15	1	0.12366	0	0.135034	0.185165	0	0	0	0	0	0	0.088772	0	0
TNFSF18	1	0.357938	0.13474	0.059221	0.012993	0.058868	0.028382	0.230485	1.471701	0.028036	0.027046	0.124752	0.35713	2.862718
TNFSF4	1	0.153063	0.034571	0.016714	0.009168	0	0.160206	0.308989	0.791167	0.079128	0.101777	0.042703	0.288254	6.750152
TNFSF8	1	0.734002	0.360397	0.470455	0.382285	0.259805	0.083506	0.186488	0.041239	0	0	0.441389	0.062247	0.141024
TNFSF9	2.44E-15	11.04511	18.17403	31.51463	48.13419	70.24801	0.263738	0.107089	0.80318	0.086843	0.530574	35.82319	0.358285	0.010001
TNIK	1	18.5227	18.90255	15.32789	15.39099	10.7154	5.782143	18.22161	10.28362	10.64824	8.312313	15.77191	10.64959	0.675225
TNIP1	1	19.16386	16.37695	10.47132	17.54805	14.11035	27.28896	11.14306	13.95233	15.03949	26.97171	15.53411	18.87911	1.215333
TNIP2	1	1.294162	2.034415	2.374175	2.604452	1.545249	0.704369	0.242003	0.10703	0.053523	0.413055	1.970491	0.303996	0.154274
TNIP3	1	0.079105	0.022333	0	0.02369	0	0.275989	0.434244	0.187406	0.136315	0.021917	0.025026	0.211174	8.438286
TNK1	1	0.030431	0.02291	0.143996	0.145812	0.04129	0.159254	0.086219	0.183509	0.707923	0.41312	0.076888	0.310005	4.031922
TNK2	1	13.55161	11.58339	38.7711	50.60052	24.7366	22.51255	14.27785	17.64727	16.01177	59.02864	27.84864	25.89562	0.92987
TNKS	1	9.30078	12.94702	18.15857	17.17028	7.926468	13.04439	15.40281	17.6006	26.77041	11.15855	13.10062	16.79535	1.282027
TNKS1BP1	0.001061	4.199912	3.645227	6.563321	8.056197	2.282121	1.00966	0.919791	0.645641	1.04852	2.002395	4.949356	1.125201	0.227343
TNKS2	1	14.24938	16.02532	16.8988	15.68988	10.14081	17.88356	28.65017	34.30797	29.50738	20.79275	14.60084	26.22837	1.796361
TNMD	1	1.197109	0	0	0.376134	0	2.362163	8.590528	5.122623	2.637774	1.272292	0.314649	3.997076	12.7033
TNN	1	0.070465	0	0.032399	0.595313	0	0	0.023642	0.05751	0.977806	0.01233	0.139635	0.214258	1.534407
TNNC1	1	6.67644	0.061299	0	0	0	0.852195	0.230685	1.472978	71.41473	8.617106	1.347548	16.51754	12.25748
TNNC2	1	0.497141	0.06238	0.723824	0.066169	0	1.589929	0	0.285518	0.42834	7.116344	0.269903	1.884026	6.980383
TNNI1	1	2.162731	0	0.70088	0.484716	0.302913	0.438127	0.118599	0	2.380373	0.626257	0.730248	0.712671	0.97593
TNNI2	1	0.313015	0.058915	0.227871	0.187479	0.14157	0	0	0	0	1.647727	0.18577	0.329545	1.773945
TNNI3	1	11.86391	0.296634	0.525855	0.524417	1.663198	29.32558	20.83797	22.06278	34.85295	15.82837	2.974804	24.58153	8.263244
TNNI3K	1	0.010796	0.008128	0	0.017243	0	0.828627	0.405278	0.158105	0.111619	0.047856	0.007233	0.310297	42.89878
TNNT1	1	24.08234	16.9977	5.222965	12.96161	23.00919	139.2465	63.86059	13.35555	4.322812	11.50945	16.45476	46.45898	2.823437
TNNT2	1	8.740888	0	0.140108	0.153698	0.435227	19.47265	1.022419	0.331601	41.12452	1.812951	1.893984	12.75283	6.733334
TNNT3	1	0.381338	0.035887	0	0.114201	0.603648	0	0	0	0.903548	4.278895	0.227015	1.036489	4.565734
TNP1	1	0	3.88743	0	0	0	0	0	0	0	0	0.777486	0	0
TNP2	1	0	1.386233	0	0	0	0	0	0	0	0	0.277247	0	0
TNPO1	1	6.979776	8.510637	13.33811	10.58874	4.547206	10.59342	20.18653	28.52419	34.19147	12.05617	8.792894	21.11036	2.400843
TNPO2	1	22.68054	21.18055	30.32033	35.28173	37.47538	85.42082	37.23883	32.15547	23.27531	39.95005	29.38771	43.6081	1.483889
TNPO3	1	12.26917	11.2861	9.206338	9.712776	14.61182	17.65298	29.09878	60.79719	27.1645	13.97311	11.41724	29.73731	2.604597
TNR	1	15.05426	13.25627	5.114987	3.348959	6.912973	24.65282	19.88827	11.07861	0.993056	1.051314	8.737489	11.53281	1.319923
TNRC18	1	3.19121	3.774223	10.58366	10.33594	2.581676	3.480309	3.886165	10.93301	5.960711	10.20795	6.093341	6.893628	1.131338
TNRC6A	1	17.74221	19.02858	21.07777	17.39367	11.53906	11.81435	17.12098	31.9223	27.07791	19.15842	17.35626	21.41879	1.234068
TNRC6B	1	6.011666	6.254508	7.679471	3.642226	0.295879	0.557636	2.327421	2.017351	3.535683	1.705386	4.77675	2.028695	0.424702
TNRC6C	1	7.002855	8.915154	12.14619	11.8024	4.921755	5.708733	7.698686	18.1834	13.95094	15.78118	8.95767	12.26459	1.369172
TNS1	1	6.329328	4.206123	16.30519	15.51267	4.930194	11.88708	5.03775	3.620559	6.319491	3.795449	9.4567	6.132066	0.648436
TNS2	1	5.718654	2.489063	12.12794	20.44398	6.385235	23.88319	9.113889	5.302843	6.124819	5.044726	9.432974	9.893893	1.048862
TNS3	1	8.400522	4.802813	18.80617	17.38198	9.201471	10.38736	7.535418	6.379777	10.53302	9.731803	11.71859	8.913477	0.760627
TNS4	1	0	0	0.009271	0.010171	0	0.155517	0	0.274289	0.153624	1.072661	0.003888	0.331218	85.18078
TNXB	1	0.650427	0.423317	2.381532	2.585899	0.454328	2.031482	0.853202	0.677757	0.811895	0.48766	1.2991	0.972399	0.748517
TOB1	1	9.790743	10.51992	14.82575	17.86214	6.563006	10.03814	15.93147	29.98069	27.20427	11.88082	11.91231	19.00708	1.595583
TOB2	1	5.80609	6.556851	17.41549	21.58898	9.813957	10.02374	8.131011	14.59577	17.27823	17.65791	12.23627	13.53733	1.106328
TOE1	1	5.557425	3.117836	3.570912	2.943298	6.425195	7.200819	4.442708	7.943441	6.097016	10.20371	4.322933	7.177539	1.66034
TOGARAM1	1	15.62608	18.04819	9.493113	11.04429	6.685218	6.148489	13.93349	8.601878	8.779604	9.069999	12.17938	9.306692	0.764135

TOGARAM2	1	0.011455	0.006468	0.487847	0.027444	0	0	0.024342	0	0.177658	0.038085	0.106643	0.048017	0.450259
TOLLIP	0.004344	27.56027	25.12762	47.01429	59.24734	24.83454	8.637744	8.984619	4.501665	6.644553	11.7338	36.75681	8.100477	0.22038
TOM1	1	8.22273	6.892027	9.393824	12.64139	12.31298	5.640931	6.631408	4.496972	4.006735	10.52046	9.89259	6.259302	0.632726
TOM1L1	1	4.91541	2.888861	3.550067	3.328079	4.657159	3.321406	0.715599	1.020974	2.94619	2.809808	3.867915	2.162796	0.559163
TOM1L2	0.326355	42.13068	38.85902	72.75069	86.72721	72.88114	24.12139	13.4584	9.026387	14.68657	28.97443	62.66974	18.05343	0.288073
TOMM20	1	101.8673	89.53523	42.23454	57.92706	272.2579	34.72712	41.28294	30.89837	45.89307	57.84245	112.7644	42.12879	0.3736
TOMM20L	1	0.162958	0.828131	0.088973	0.195206	0	0	0	0	2.106082	1.083561	0.255054	0.637928	2.501154
TOMM22	1	32.04509	31.93122	26.17364	27.26216	67.7658	52.76338	37.26256	30.70505	26.46293	49.33119	37.03558	39.30502	1.061277
TOMM34	1	4.428314	3.3654	10.2998	5.493705	12.62162	14.18668	5.563112	3.598971	4.41538	6.867494	7.241767	6.926328	0.956442
TOMM40	1	14.70173	16.83959	19.99307	19.82192	34.77353	17.94511	18.89578	14.28229	12.95622	31.65588	21.22597	19.14706	0.902058
TOMM40L	1	15.63244	13.88911	5.093382	6.869215	20.77322	36.25616	30.39045	14.64298	7.659429	6.898522	12.45147	19.16951	1.539537
TOMM5	1	36.51085	34.14936	31.98415	34.76148	102.4822	76.99701	46.60785	25.84611	39.78251	41.98369	47.97761	46.24343	0.963854
TOMM6	1	14.23167	15.13466	20.40766	22.75525	165.6575	90.40428	48.00768	37.65477	20.02191	37.3006	47.63735	46.67785	0.979858
TOMM7	1	16.05266	14.81812	10.51574	10.66029	61.25511	67.52151	19.3762	24.36349	16.49655	13.07923	22.66039	28.1674	1.243024
TOMM70	1	26.70684	28.78727	17.41391	20.89609	27.02643	32.87537	49.44195	30.37965	35.96436	31.9249	24.16611	36.11725	1.494541
TOMT	1	0.163846	0.173468	0.134188	0.233071	0.222312	0.107183	0.130562	0.344054	0	0.034046	0.185377	0.123169	0.664424
TONSL	1	0.494938	0.312199	1.061449	0.934725	0.411399	1.656776	0.776945	1.22152	8.574932	2.401545	0.642942	2.926344	4.55149
TOP1	1	34.16687	31.39838	13.79211	13.6795	15.03458	16.57539	24.70865	27.91129	17.2249	13.78257	21.61429	20.04056	0.92719
TOP1MT	1	0	0	0.098048	0.017926	0	0	0	0.077352	0	0.049753	0.023195	0.025421	1.095974
TOP2A	1	0.305164	0.295927	0.101419	0.15099	0.090013	0.520769	0.225551	0.137162	0.034295	0.011028	0.188703	0.185761	0.984412
TOP2B	1	47.16926	51.57902	45.56764	39.20261	33.21252	87.95803	78.36925	95.23793	115.7178	110.0308	43.34621	97.46276	2.248472
TOP3A	1	3.400428	3.19254	7.258888	7.538544	6.967812	4.128721	2.964803	4.653693	10.81929	9.30774	5.671643	6.374849	1.123986
TOP3B	1	2.788366	3.017381	5.704259	6.591544	6.015054	2.105744	2.932568	2.919037	4.39744	5.50356	4.823321	3.57167	0.7405
TOPAZ1	1	0	0	0.016532	0.054407	0	0	0.008043	0	0	0	0.014188	0.001609	0.113375
TOPBP1	1	15.05894	14.95571	11.0751	11.29699	8.79777	15.87759	18.32108	27.98141	28.47128	21.64652	12.2369	22.45958	1.835397
TOPORS	1	7.04998	6.675026	5.069832	6.041207	2.936316	5.513025	8.072846	10.75477	13.9475	8.074434	5.554472	9.272514	1.669378
TOR1A	1	4.211279	5.050272	4.365682	3.766935	8.104679	5.995601	6.984394	4.757838	6.086017	4.964743	5.099769	5.757719	1.129015
TOR1AIP1	1	1.953123	1.919061	2.530408	2.392507	0.359331	2.656392	2.274452	3.108493	1.197942	0.568639	1.830886	1.961183	1.071166
TOR1AIP2	1	6.08877	5.870743	6.080506	6.346831	7.624329	7.945653	8.414903	8.171434	8.496291	6.124328	6.402236	7.830522	1.223092
TOR1B	1	2.868253	2.983414	3.686558	4.397575	4.096576	4.237416	3.878568	4.185238	7.342968	4.84784	3.606475	4.898406	1.358225
TOR2A	1	1.606819	1.02471	3.17895	3.249513	9.259393	3.363605	2.590934	3.077908	2.443139	3.880907	3.663877	3.071299	0.838265
TOR3A	1	4.805364	2.892711	4.788639	4.884891	8.758329	2.573787	4.876971	3.071698	1.906848	5.603606	5.225987	3.606582	0.690125
TOR4A	1	0	0.027981	0.189391	0.267121	0	0.064833	0.026325	0.032017	0.032022	2.028482	0.096899	0.436736	4.507146
TOX	1	3.630249	3.766355	3.190666	5.061643	3.831062	5.019871	4.358778	0.966186	4.628194	1.921614	3.895995	3.378928	0.867283
TOX2	1	0.447822	0.3153	1.147067	1.596084	0.45009	1.519	0.863488	0.728715	0.271521	0.56981	0.791272	0.790507	0.999032
TOX3	1	2.574846	2.086608	1.483943	2.613166	1.585079	1.840338	2.064447	0.64697	1.140064	0.366596	2.068728	1.211683	0.585714
TOX4	1	15.33928	13.17539	14.16597	14.57195	15.87888	31.7175	34.40434	36.19381	17.86642	22.7644	14.62629	28.58929	1.954651
TP53	1	1.959601	1.180881	1.995991	1.913422	1.54169	5.127617	2.606907	1.191642	3.149797	0.670664	1.718317	2.549325	1.483618
TP53BP1	1	26.48562	25.37418	25.47855	23.07917	17.03842	14.60385	26.71664	32.50966	19.03359	22.48909	23.49119	23.07056	0.982094
TP53BP2	1	23.88678	16.95946	27.01963	36.99126	20.36034	16.65663	28.66425	12.29782	6.308015	7.83128	25.04349	14.3516	0.573067
TP53I11	1	12.16047	3.741953	8.329945	10.73977	4.057904	9.308087	4.731339	10.33414	8.683985	41.15226	7.80601	14.84196	1.901351
TP53I13	1	1.7159	0.663622	3.285443	2.196252	1.913585	1.230119	0.474506	2.308446	0.789846	2.090457	1.95496	1.378675	0.705219
TP53I3	1	0.38158	0.32319	1.510457	1.899789	0.388306	0	0	0.030818	1.109604	0.25769	0.900664	0.279622	0.310462
TP53INP1	1	4.35347	5.020707	5.634754	4.768733	3.082973	4.559849	3.362775	13.59067	23.11069	19.43834	4.572127	12.81247	2.802299
TP53INP2	1	26.59071	32.90208	143.2773	187.7451	89.02633	58.04248	41.12549	22.6626	16.45716	19.30036	95.9083	31.51762	0.328622
TP53RK	1	6.17435	5.930651	6.282906	6.518423	11.34195	20.73675	16.49394	18.30701	6.103223	10.89545	7.249657	14.50727	2.001098

TP53TG5	1	0	0	0	0	0	0	0.080137	0.048733	0	0.031345	0	0.032043	#DIV/0!
TP63	1	0.039209	0.148649	0.024466	0.053677	0.258398	0.234504	0.059512	0	0	0.004656	0.10488	0.059734	0.56955
TP73	1	0.054639	0.067313	0.130177	0.160654	0.202189	0	0.02111	0	0	0	0.122995	0.004222	0.034327
TPBG	1	2.148366	1.963105	3.191029	4.503651	3.165731	1.148489	9.240788	0.298512	3.104981	12.17315	2.994376	5.193183	1.734312
TPBGL	1	1.277574	0.913147	0.588644	1.814523	2.618473	1.946547	1.958766	1.072743	0.22294	2.374662	1.442472	1.515132	1.050371
TPC3	1	0.123477	0.132471	0.782041	0.036978	0	2.875575	0.498527	9.398077	0.255333	0.143682	0.214994	2.634239	12.25264
TPCN1	1	6.281176	5.715654	7.856255	10.09544	8.562787	7.885697	10.25036	8.214667	6.374964	5.080938	7.702262	7.561324	0.981702
TPCN2	1	1.842279	1.5484	3.879403	2.968812	4.705261	3.920611	7.809476	13.11479	2.119132	2.099093	2.988831	5.81262	1.944781
TPD52	1	47.11488	43.07194	51.24128	52.04848	50.60951	50.58586	38.83293	54.82144	69.66397	37.9584	48.81722	50.37252	1.03186
TPD52L1	1	8.841324	9.771588	6.880534	9.448153	18.15238	14.10728	13.24781	14.70765	14.45172	20.41384	10.6188	15.38566	1.448908
TPD52L2	1	11.3658	10.64693	14.05353	15.92751	17.78703	13.90108	20.5584	21.54242	12.45542	19.50323	13.95616	17.59211	1.260526
TPD52L3	1	0	0.03638	0	0	0	0	0	0	0	0	0.007276	0	0
TPGS1	1	4.669442	5.422942	8.621551	14.02785	5.27639	0.462525	0.532112	0.228415	7.538781	33.22797	7.603636	8.39796	1.104466
TPGS2	1	10.94324	10.43474	9.663329	8.690647	11.67698	14.37603	16.32803	14.11627	3.442686	3.278482	10.28179	10.3083	1.002579
TPH1	1	0.05819	0.144572	0.273233	0.094103	0.063164	0	0.006183	0.030078	0.240658	0.232156	0.126652	0.101815	0.803892
TPH2	1	0	0	1.865405	0.133986	0	0.319285	0.086429	0.236515	0.525665	0.523997	0.399878	0.338378	0.846203
TPI1	1	272.3676	284.4351	137.3537	137.8509	645.626	679.4759	586.9652	310.899	131.8759	336.2622	295.5267	409.0957	1.384294
TPK1	3.35E-08	2.445427	2.335554	2.914506	3.649148	4.815902	1.023818	0.772038	0.668121	2.925714	0.882711	3.232107	1.25448	0.388131
TPM1	1	45.28256	31.19124	30.0001	34.49778	38.22385	53.40622	49.5845	24.76595	78.20586	51.19523	35.83911	51.43155	1.435068
TPM2	1	14.25956	3.883026	10.72028	12.1104	14.19988	49.26735	19.5343	12.09367	15.52792	13.07407	11.03463	21.89946	1.984613
TPM3	1	62.07741	44.52852	20.70203	26.40682	70.40996	68.33645	42.5969	18.98742	20.51836	26.43061	44.82495	35.37395	0.789158
TPM4	1	16.85425	10.57925	12.33889	12.32477	22.80055	28.62434	16.40786	12.79089	13.09025	17.04502	14.97954	17.59167	1.17438
TPMT	3.38E-16	41.64591	34.03281	24.0334	32.17106	36.88745	1.2414	2.388807	1.039531	1.652829	2.245926	33.75412	1.713699	0.05077
TPO	2.48E-06	0.259595	0.22735	0.254547	0.330006	0.316286	0	0.011258	0	0	0	0.277557	0.002252	0.008112
TPP1	1	11.17414	9.349099	27.98499	32.84558	15.47621	20.5531	28.53758	42.97732	19.14516	14.40007	19.36601	25.12265	1.297255
TPP2	1	10.60134	12.3252	9.316479	8.77905	8.934469	8.594374	19.374	17.29413	16.2431	13.70237	9.991309	15.0416	1.505468
TPPP	4.38E-08	78.97633	84.53689	98.34352	159.3512	88.24179	13.54198	10.5361	3.640094	2.772801	8.099391	101.8899	7.718074	0.075749
TPPP2	1	0.627773	0.405113	1.419997	0.76991	0.709821	2.112006	1.318106	2.182573	2.704467	1.043568	0.786523	1.872144	2.380279
TPPP3	1	15.52459	23.99222	54.58643	58.86881	72.60263	201.0866	84.08073	35.30045	43.76801	40.26133	45.11494	80.89943	1.793185
TPR	1	25.04494	25.5528	22.63791	22.42712	11.65128	13.48172	24.7777	29.25369	25.21008	15.67954	21.46281	21.68055	1.010145
TPRA1	1	2.556849	2.555094	7.452105	8.747804	4.442602	2.647286	2.345255	4.39743	5.230137	9.723789	5.150891	4.868779	0.945231
TPRG1	1	0.055565	0	0	0	0	0	0	0	0.09575	0	0.011113	0.01915	1.723213
TPRG1L	1	31.90757	34.93637	34.27125	44.53252	109.1965	21.18244	20.21886	20.56754	7.146571	17.63894	50.96885	17.35087	0.340421
TPRKB	0.009846	2.014435	2.165191	2.37655	1.571217	2.794777	6.440571	8.850187	10.86437	10.19625	11.28962	2.184434	9.528199	4.361862
TPRN	1	3.71007	4.79997	11.21784	14.85163	7.897934	2.412864	1.148113	5.511041	6.852561	36.40547	8.495489	10.46601	1.231949
TPSB2	1	1.579072	0.075883	0.220125	0.321968	1.230822	0	0	0	0	0.05585	0.685574	0.01117	0.016293
TPST1	1	10.07776	8.373136	6.417069	6.051478	15.43409	6.744271	13.78356	20.64979	9.771216	16.13847	9.270706	13.41746	1.447297
TPST2	1	8.54757	7.84673	8.73198	10.62742	16.94928	6.616525	6.957568	8.182778	4.804241	8.263085	10.5406	6.964839	0.660763
TPT1	1	486.7977	357.1088	391.1797	502.7492	1265.228	1486.76	804.0879	686.5589	515.8796	484.8077	600.6126	795.6188	1.324679
TPX2	1	1.374445	1.233775	0.923611	1.312546	0.739003	1.559305	1.307134	3.121609	1.689392	0.932022	1.116676	1.721892	1.54198
TRA2A	1	40.00246	47.7731	32.32059	34.83712	61.89052	68.1484	57.72385	88.42437	62.24914	36.90761	43.36476	62.69067	1.445659
TRA2B	1	36.02142	35.33297	21.24906	21.05014	46.7468	40.00978	46.77003	54.63734	53.65904	46.16063	32.08008	48.24736	1.503966
TRABD	1	1.460735	1.744641	2.925564	2.951285	2.703527	1.162529	0.736661	0.98294	1.391976	1.622549	2.35715	1.179331	0.500321
TRABD2B	1	0.810855	0.154099	1.243625	0.590964	0.263478	1.387025	0.256502	0.793483	0.203487	0.104692	0.612604	0.549038	0.896236
TRADD	1	0.452467	0.47953	1.581074	2.05963	1.530087	1.493605	0.56209	0.233875	0.395847	0.983583	1.220558	0.7338	0.601201
TRAF1	1	0.71919	0.570586	1.05375	1.003282	0.864653	2.810908	2.940417	2.246917	2.870825	2.973702	0.842292	2.768554	3.286928

TRAF2	1	1.694724	1.945237	5.278777	7.238471	2.525639	1.090457	0.974096	2.136108	2.190278	2.644009	3.73657	1.80699	0.483596
TRAF3	1	4.486372	5.006133	5.504114	5.431477	7.747433	11.92333	7.178376	9.653829	3.533467	9.089689	5.635106	8.275738	1.468604
TRAF3IP1	1	7.737059	8.713475	6.626991	6.168587	7.264235	1.937667	2.830577	2.78272	2.926131	4.37916	7.30207	2.971251	0.406905
TRAF3IP2	1	0.520012	0.32094	1.162096	0.724324	0.541484	3.41756	1.220638	0.593834	0.59392	0.91469	0.653771	1.348129	2.06208
TRAF3IP3	1	0.170219	0.036615	0.42486	0.271873	0.175969	0.466617	0.137793	0.104743	1.466622	0.619821	0.215907	0.559119	2.589624
TRAF4	1	3.082495	2.794953	6.966206	9.878779	7.952695	5.611028	5.354032	8.451451	3.879919	3.99534	6.135025	5.458354	0.889704
TRAF5	1	4.246458	4.896627	4.365559	4.366076	3.373387	0.754649	2.028705	3.996652	0.257057	0.049595	4.249621	1.417331	0.333519
TRAF6	1	2.197041	1.868033	2.575123	2.936666	5.018247	3.418275	2.95618	2.367713	1.666411	1.255008	2.919022	2.332717	0.799143
TRAF7	1	7.651977	6.670436	10.43355	11.76527	14.95151	13.93347	13.27857	14.11568	8.77493	13.07284	10.29455	12.6351	1.227358
TRAFD1	1	9.239314	7.780902	11.5969	10.89491	22.29492	11.97125	8.539293	18.09083	9.020099	7.079903	12.36139	10.94028	0.885036
TRAIP	1	2.128609	1.775151	0.85824	1.817584	1.007158	1.656675	2.435562	1.2131	0.028216	0.15424	1.517348	1.097559	0.72334
TRAK1	1	14.7954	13.34	16.10141	13.01752	11.13758	25.06467	18.15608	21.79286	20.67435	31.24667	13.67838	23.38693	1.709773
TRAK2	1	10.58252	15.67841	25.66614	22.19439	7.629511	9.269535	16.99095	11.81482	7.121897	6.823552	16.3502	10.40415	0.636332
TRAM1	1	8.378657	6.71362	6.545473	6.944482	4.363352	15.57014	12.53966	12.69284	14.90001	7.8823	6.589117	12.71699	1.929999
TRAM1L1	1	3.306914	3.200138	2.4945	1.974151	1.210293	1.593989	2.750711	2.164747	4.583182	3.508078	2.437199	2.920141	1.198155
TRAM2	1	0.460575	0.32798	0.961029	0.808251	0.429884	0.568041	0.479998	1.205492	0.682453	0.375499	0.597544	0.662297	1.108366
TRANK1	1	5.61798	6.518736	8.009223	4.785189	5.496059	1.748775	2.79705	1.025824	3.735594	4.920435	6.085438	2.845536	0.467598
TRAP1	1	11.37324	11.56074	11.75034	13.45713	8.615103	7.490994	12.90041	5.513078	4.146207	12.21213	11.35131	8.452564	0.744633
TRAPPC1	1	28.08417	24.87548	27.50308	29.96187	134.626	82.09545	37.36206	30.74456	22.86467	31.00278	49.01012	40.81391	0.832765
TRAPPC10	1	7.252023	8.14343	8.187814	8.549574	5.34288	4.922912	8.919545	7.618534	11.66272	8.577797	7.495144	8.340301	1.112761
TRAPPC11	1	9.510201	10.1945	8.275376	9.120354	6.190831	5.466069	17.0464	12.37047	8.627096	6.318429	8.658253	9.965692	1.151005
TRAPPC12	1	5.242703	6.143035	9.23772	10.75723	5.039249	1.349752	4.234976	3.114681	3.127255	5.31638	7.283988	3.428609	0.470705
TRAPPC13	1	19.63938	21.38045	12.41861	13.42349	11.01801	12.20983	18.44651	18.37636	15.29845	8.957202	15.57599	14.65767	0.941043
TRAPPC2	1	28.97326	29.03871	14.68918	16.48577	20.07717	43.59264	50.95745	35.16673	32.36345	31.56411	21.85282	38.72888	1.77226
TRAPPC2L	1	31.1033	23.50831	23.351	27.08332	55.1939	58.07625	22.12669	21.51042	15.78591	20.76847	32.04797	27.65355	0.86288
TRAPPC3	1	18.12072	20.3269	12.65221	12.41074	39.15614	41.31699	38.70602	33.65286	22.1483	31.09691	20.53334	33.38422	1.625854
TRAPPC3L	1	0	0.07769	0	0	0	0	0	0	1.244748	0	0.015538	0.24895	16.022
TRAPPC4	1	20.2267	15.69459	13.30707	18.80388	38.35397	26.25091	26.23987	16.50982	14.94871	25.16246	21.27724	21.82235	1.02562
TRAPPC5	1	6.1771	8.103243	8.357779	10.38921	8.409529	2.612266	1.988792	2.741355	8.063983	19.74161	8.287373	7.029601	0.84823
TRAPPC6A	1	2.596772	3.077112	2.116734	2.475382	3.771519	0.191405	0.621748	0.803455	2.268908	3.222327	2.807504	1.421568	0.506346
TRAPPC6B	1	22.31977	23.78461	13.24938	16.01626	18.85652	43.68289	45.43983	37.08468	44.31902	37.12079	18.84531	41.52944	2.203702
TRAPPC8	1	12.71268	13.92264	12.30876	11.50146	6.73019	10.50185	20.0672	21.4011	25.12823	16.64501	11.43515	18.74868	1.639566
TRAPPC9	1	9.279964	6.912983	12.90227	16.84818	6.015557	7.449681	9.590337	5.176775	7.50882	16.61258	10.39179	9.267639	0.891823
TRARG1	1	0	0.012193	0.106108	0.245733	0	0.028251	0.09177	0.069759	0	0	0.072807	0.037956	0.521325
TRAT1	1	0.057085	0.04835	0	0	0.116182	0.186714	0.121302	0.036883	0	0	0.044323	0.06898	1.556293
TRDMT1	1	4.148478	3.844674	3.479609	3.249939	2.141392	8.25937	4.407653	3.573835	5.594642	4.422534	3.372818	5.251607	1.557038
TRDN	1	0.145777	0	0.053062	0.116417	0	0.508598	0.567908	0.313959	0.62801	0	0.063051	0.403695	6.402677
TREH	1	0.036699	0	0	0.043962	0	0	0	0	0.047431	0	0.016132	0.009486	0.588022
TREM1	1	0.015835	0	0	0	0	0	0	0	0	0	0.003167	0	0
TREM2	1	2.141288	3.778389	6.689978	4.898506	7.909079	25.8362	6.698801	3.958374	2.690548	1.062917	5.083448	8.049368	1.583447
TREML1	1	0.028695	0	0	0.034374	0	1.501704	1.615849	0.630365	0.148343	0	0.012614	0.779252	61.77816
TREML2	1	0	0	0.017833	0.039126	0	0	0	0	0	0.006787	0.011392	0.001357	0.119155
TRERF1	1	3.410391	3.568073	1.618951	2.360749	3.440607	3.134287	4.720816	2.499917	1.320242	1.499015	2.879754	2.634855	0.914959
TREX1	1	0.84182	0.723046	1.139353	1.746965	1.769623	0.682545	0.554284	0.428999	0.980711	4.868284	1.244161	1.502964	1.208014
TREX2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRGC3	1	0.003115	0.008209	0.004536	0.003732	0.011272	0	0	0	0	0	0.006173	0	0

TRGC4	1	0.012255	0.002442	0	0.001727	0	0.003773	0.001532	0	0.014907	0.002397	0.003285	0.004522	1.376488
TRGC6	1	0.001407	0.001589	0.165898	0.04297	0.003817	0	0.002989	0	0.025452	0.011692	0.043136	0.008027	0.18608
TRH_1	1	0	0	0	0	0	0	0	0	0	0.149022	0	0.029804	#DIV/0!
TRH_2	1	1.497147	1.465306	2.87008	2.670208	0.812553	0.261169	0.45953	15.52016	20.63923	2.129271	1.863059	7.801871	4.187668
TRHDE	1	11.75046	9.448951	4.145017	5.371761	5.301855	6.069873	10.26047	10.05868	2.484974	6.078019	7.203608	6.990403	0.970403
TRHR	1	0.055076	0.062198	0.290685	0.13195	0.02491	0.048038	0.087775	0.142341	1.826969	0.511179	0.112964	0.52326	4.632111
TRIAP1	1	12.68422	12.76853	11.58566	12.76629	28.27577	18.64626	8.614297	8.88092	9.414326	6.76523	15.61609	10.46421	0.670091
TRIB1	1	2.522511	5.34685	2.410216	2.195454	7.834619	4.48632	14.46837	4.150951	3.00542	1.515141	4.06193	5.525241	1.36025
TRIB2	1	11.33279	12.09952	10.07612	7.824718	19.50887	15.4859	28.15806	13.01456	19.18997	4.010139	12.1684	15.97173	1.312557
TRIB3	1	0.033979	0.027409	0.084811	0.081407	0.052691	0.152422	0.04126	0.188181	0.326228	1.113562	0.05606	0.36433	6.498988
TRIL	1	2.620527	1.872019	7.195116	5.863627	2.56344	1.443587	1.25526	0.988652	6.75341	2.919989	4.022946	2.67218	0.664235
TRIM10	1	0.018522	0.020917	0.080901	0.022187	0	0	0.078715	0.095736	0.382999	0.061578	0.028505	0.123806	4.343272
TRIM11	1	4.656363	3.715294	6.251512	6.516517	7.22299	2.575784	3.935796	6.494065	2.577916	4.629186	5.672535	4.04255	0.712653
TRIM13	1	9.694418	7.58935	4.700952	5.324212	10.03251	11.69463	16.27063	17.60197	26.29	40.17913	7.468288	22.40727	3.000322
TRIM14	1	0.532665	0.396015	0.494411	0.584903	0.867287	0.04646	0.028297	0.137664	0.160632	0.538659	0.575056	0.182342	0.317086
TRIM15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRIM16	1	0.568782	0.400413	0.83082	1.044132	1.523442	0.618519	0.298234	0.276815	0.095467	0.202608	0.873518	0.298329	0.341526
TRIM17	1	0	0.049846	0.337388	0.370112	0	0.288738	0	0	0.171135	0.238461	0.151469	0.139667	0.922082
TRIM2	1	46.9124	59.32558	46.8883	53.58312	21.12797	28.9253	72.17059	58.04352	65.35403	30.89492	45.56747	51.07767	1.120924
TRIM21	1	1.118094	0.704069	0.855218	0.709798	0.741057	1.914497	0.996342	1.651228	1.944471	0.642389	0.825647	1.429785	1.731715
TRIM23	1	5.896512	8.512255	3.957596	3.424381	3.569327	8.822769	25.43167	20.89075	11.68368	8.109642	5.072015	14.9877	2.95498
TRIM24	1	7.017352	7.628792	2.826944	3.170895	5.24377	3.684878	4.775511	4.994056	4.118985	2.750184	5.177551	4.064723	0.785067
TRIM25	1	2.040547	1.028118	2.879568	2.585379	1.15007	0.616088	1.967904	2.251455	1.014316	2.15266	1.936736	1.600484	0.826382
TRIM27	1	15.4058	15.21168	12.4179	12.91815	16.41996	17.45076	14.8822	19.17426	13.30866	17.62343	14.4747	16.48786	1.139082
TRIM28	1	23.30804	21.09515	34.6115	39.84274	28.2189	34.74429	25.43419	38.16015	26.63296	64.47735	29.41527	37.88979	1.2881
TRIM29	1	0.011723	0	0.025603	0.04213	0	0	0	0	0	0	0.015891	0	0
TRIM3	1	7.02686	8.656881	17.93104	13.99146	16.62343	11.75356	11.6596	23.37407	19.57102	39.86067	12.84594	21.24378	1.653736
TRIM31	1	0.218429	0.013704	0.061839	0.009691	0.021954	0	0.017191	0	0	0	0.065123	0.003438	0.052795
TRIM32	1	14.04643	14.26178	0.189072	0.246299	19.88095	4.728852	6.162753	6.908047	0.307691	0.476711	9.724908	3.716811	0.382195
TRIM33	1	5.661543	7.636309	6.664458	5.031753	4.378836	6.617764	8.203726	8.824569	14.49663	9.442117	5.87458	9.516961	1.620024
TRIM34	0.000747	1.547337	0.617118	0.113063	0.151591	0.936572	0	0	0	0	0	0.673136	0	0
TRIM35	1	1.377456	1.125046	1.547356	1.606964	1.60059	0.639935	0.825375	1.273405	1.320072	1.183757	1.451483	1.048509	0.722371
TRIM36	1	6.505181	8.002348	7.444015	10.27405	5.517263	3.129432	9.384879	1.081814	2.826374	0.177508	7.548571	3.320001	0.439819
TRIM37	1	9.843563	9.583393	10.17758	8.843657	10.45439	7.838314	7.090534	7.065613	7.076442	3.302913	9.780515	6.474763	0.662006
TRIM38	1	2.053303	0.669878	0.956658	1.257149	1.064869	10.65009	2.074928	1.580201	2.264498	0.682655	1.200371	3.450475	2.874506
TRIM4	1	3.254906	3.108014	4.587234	4.934015	3.71905	1.90999	1.867616	3.647818	1.963755	1.919141	3.920644	2.261664	0.57686
TRIM40	1	0.177178	0.670884	0.068285	0.099878	0.424238	0	0	0.053871	0	0	0.288093	0.010774	0.037399
TRIM41	1	14.90306	14.63319	12.85894	13.01073	15.0765	21.17426	16.91113	15.27267	9.833911	11.98897	14.09648	15.03619	1.066662
TRIM42	1	0	0.041902	0	0	0	0	0	0	0	0.01028	0.00838	0.002056	0.245333
TRIM44	1	28.08047	26.85734	20.90844	17.6162	15.334	33.82739	14.31133	7.236452	17.90897	10.55194	21.75929	16.76722	0.770578
TRIM45	1	2.898143	2.929279	4.65155	5.057154	2.105486	1.35348	1.713363	1.926584	3.342519	0.7334	3.528322	1.813869	0.514088
TRIM46	1	9.575943	8.379565	12.04441	12.18565	9.319572	14.06342	10.88799	13.85137	4.820824	12.71806	10.30103	11.26833	1.093904
TRIM47	1	2.496465	1.571664	6.204208	5.998188	4.8668	2.290098	0.640242	0.278102	1.001314	1.753	4.227465	1.192551	0.282096
TRIM48	1	0	0	0	0	0	0.327622	0.33257	0.728072	0	0.104067	0	0.298466	#DIV/0!
TRIM5	1.63E-08	3.020802	2.247134	1.606028	1.744528	2.054257	0	0	0	0	0	2.13455	0	0
TRIM50	1	0	0	0.056034	0.015367	0	0	0	0.265236	0	0	0.01428	0.053047	3.714738

TRIM52	0.001476	4.079526	4.44196	0.290213	0.095508	3.185321	0	0	0	0.091595	0.036816	2.418506	0.025682	0.010619
TRIM54	1	0.109297	0.102858	0.139242	0.065463	0.321313	1.477634	1.432213	0.023539	1.883421	0.181688	0.147635	0.999699	6.771442
TRIM55	1	0.026715	0	0	0.080005	0	0	0	0	0.690543	0.022205	0.021344	0.14255	6.678631
TRIM56	0.175873	2.468276	1.91316	2.864907	3.560673	2.211083	0.587718	0.426502	0.444624	0.667033	0.611691	2.60362	0.547514	0.210289
TRIM58	1	0	0	0	0	0	0.110496	0	0	2.292184	1.035405	0	0.687617	#DIV/0!
TRIM59	1	4.027487	5.564281	6.81565	8.743883	1.821546	0.974773	1.725083	1.407823	1.217263	0.958102	5.394569	1.256609	0.23294
TRIM6	1	0.088757	0.110257	0.058152	0.127585	0	0	0	0	0.091768	0	0.07695	0.018354	0.238513
TRIM62	1	1.442722	1.134159	2.616429	1.825937	2.586992	2.080985	1.592437	5.441434	1.976595	8.220273	1.921248	3.862345	2.010331
TRIM63	1	0.095658	0	0.046425	0	0	0.111247	0.338781	0.494446	1.5385	0.512384	0.028417	0.599072	21.08169
TRIM64	1	0	0	0	0	0	0	0	0	0	0.068919	0	0.013784	#DIV/0!
TRIM65	1	4.089105	4.113489	6.396985	6.190634	8.609614	1.305225	2.292454	2.788169	3.388268	3.201072	5.879965	2.595037	0.441336
TRIM66	1	2.311241	2.281526	3.725181	2.0781	1.667914	3.692405	3.458369	4.281393	3.045825	2.227847	2.412792	3.341168	1.384772
TRIM67	1	0.191886	0.270873	1.868364	0.536339	0.086786	0.66947	1.664975	3.347456	4.463924	7.283358	0.59085	3.485837	5.899701
TRIM68	1	4.216344	3.83446	3.780904	3.284648	2.24289	5.231426	6.526802	9.208242	14.11751	7.695942	3.471849	8.555984	2.464388
TRIM69	1	0	0.066942	0	0	0	0.103405	0.167947	0.102132	0	0.229922	0.013388	0.120681	9.013899
TRIM7	1	0.757012	0.601804	0.087015	0.220739	0.851446	5.004245	1.407537	4.414896	1.338822	2.583046	0.503603	2.949709	5.857208
TRIM71	1	0	0	0.028713	0.078745	0	0	0	0	0	0.021855	0.021492	0.004371	0.203383
TRIM72	1	0.224049	0.107533	0.073397	0.114064	0.0304	0.674199	0.107121	0.07238	0.202694	0.363133	0.109889	0.283905	2.583574
TRIM77	0.136502	0.042635	0	0.046557	0	0	0.725156	0.317093	1.377359	1.487764	0.070874	0.017838	0.795649	44.60298
TRIM8	1	23.52748	21.07154	33.00695	41.82504	28.89883	48.87434	22.43825	28.26964	32.80618	45.17517	29.66597	35.51272	1.197086
TRIM9	1	28.09472	30.19648	14.76652	13.23464	37.94341	17.09462	40.67011	24.91529	15.31747	13.24824	24.84715	22.24914	0.89544
TRIML1	1	0	0.030148	0	0	0	0	0	0	0	0	0.00603	0	0
TRIML2	1	0	0	0	0.023241	0	0	0.041228	0.100285	0.05015	0.129009	0.004648	0.064134	13.79754
TRIO	1	15.63838	16.63461	22.21093	19.51841	7.312579	17.17064	20.77223	26.77922	18.17738	23.09376	16.26298	21.19865	1.30349
TRIOBP	1	1.534156	1.542859	1.95448	3.038904	1.625823	2.007186	0.969479	1.872333	1.503268	0.97094	1.939245	1.464641	0.755264
TRIP10	1	3.21681	1.54268	3.445326	4.096213	4.065731	8.255882	2.827861	1.526069	3.644875	3.237747	3.273352	3.898487	1.190977
TRIP11	1	6.788989	8.727639	8.622042	6.921953	2.946022	3.757391	8.716291	10.05884	8.219395	4.553263	6.801329	7.061035	1.038185
TRIP12	1	27.64548	28.5999	26.35272	28.92536	17.25053	15.45774	23.54973	18.35765	29.52545	23.37612	25.7548	22.05334	0.856281
TRIP13	1	0.367133	0.451459	0.534536	0.342056	0.531348	0.426961	1.005512	0.253022	1.223119	2.454751	0.445306	1.072673	2.408844
TRIP4	1	6.83788	6.701568	6.632662	6.093073	6.24424	6.727945	4.67182	7.463699	6.501586	5.884739	6.501885	6.249958	0.961253
TRIP6	1	3.461399	1.563591	2.462953	2.929223	9.302198	12.73868	3.108207	3.116597	5.830039	10.28295	3.943873	7.015295	1.778783
TRIQK	1	6.422121	5.996295	1.728162	2.687977	3.361023	4.801295	4.13462	6.925549	10.2762	6.970983	4.039116	6.62173	1.639401
TRIR	1	32.6624	42.82356	31.96954	36.8835	80.63625	40.2318	24.46137	19.66231	22.8569	63.96311	44.99505	34.2351	0.760864
TRIT1	1	18.82774	16.06577	12.15765	8.453402	13.58053	20.05947	17.5844	23.56666	24.99931	17.40162	13.81702	20.72229	1.499766
TRMO	1	1.5797	1.521022	1.173471	1.313034	1.263679	1.049789	1.103704	1.64787	0.999977	0.905103	1.370181	1.141289	0.832947
TRMT1	1	2.740874	2.670931	3.636632	4.571873	6.558087	8.598623	6.622701	5.008052	7.046574	12.67665	4.03568	7.990521	1.979969
TRMT10A	1	1.542058	1.596643	0.761164	0.961028	0.963626	1.324941	2.627025	1.835475	2.158697	2.410375	1.164904	2.071302	1.778089
TRMT10B	1	6.897802	5.827338	5.04465	4.988162	7.461468	5.766881	5.144753	5.832789	9.558402	3.795729	6.043884	6.019711	0.996
TRMT10C	1	11.03619	8.90724	5.185509	5.712876	10.03817	3.519755	8.163579	5.214621	6.427034	4.251895	8.175996	5.515377	0.674582
TRMT11	1	2.592565	2.542924	1.568364	1.744783	2.884611	3.354778	2.051891	2.443159	1.929642	2.616849	2.266649	2.479264	1.093801
TRMT112	1	14.91868	12.52892	9.964744	13.97022	58.46605	90.65741	25.82783	53.67572	35.43015	115.9423	21.96972	64.30669	2.92706
TRMT12	1	4.593528	5.086661	4.550189	4.230909	5.357666	3.53063	4.891048	4.205098	4.923758	3.133554	4.76379	4.136818	0.868388
TRMT13	1	5.716369	5.009304	2.627686	2.461921	4.245927	5.59398	3.577164	5.952158	2.642822	1.596628	4.012241	3.872551	0.965184
TRMT1L	1	12.81272	12.54918	8.956476	10.00776	6.863425	6.156928	9.939151	12.17454	8.051876	5.843375	10.23791	8.433173	0.82372
TRMT2A	1	2.976625	3.525261	5.439091	5.6397	6.017682	5.936469	7.104497	5.576814	5.202844	9.697793	4.719672	6.703683	1.420371
TRMT2B	1	0.060462	0.102419	0.082529	0.181066	0.082036	2.610426	1.605973	2.089971	0.742341	0.326649	0.101702	1.475072	14.50379

TRMT44	1	2.970277	3.481353	6.140226	5.515414	9.873485	1.419425	2.094525	2.957765	2.325518	5.278493	5.596151	2.815145	0.50305
TRMT5	0.46444	7.46607	6.91161	3.231861	3.873597	5.040326	0.669266	1.436393	0.661025	1.416688	0.587148	5.304693	0.954104	0.17986
TRMT6	1	6.785	6.129872	3.759583	3.901301	3.366813	4.50446	7.464292	9.81985	10.38249	8.468868	4.788514	8.127993	1.697394
TRMT61A	1	3.253018	4.058709	7.506983	10.18901	2.750817	0.192908	0.783286	0.547781	0.4764	3.707194	5.551707	1.141514	0.205615
TRMT61B	1	2.7528	2.455465	1.89509	1.577095	3.437372	2.140067	4.53553	4.665639	1.289038	2.288036	2.423564	2.983662	1.231105
TRMT9B	1	3.256326	3.914306	9.113717	3.283389	2.462861	1.264979	3.915251	7.967889	5.422725	2.82027	4.40612	4.278223	0.970973
TRMU	1	10.18358	9.388292	13.25879	12.03464	9.725359	6.559266	6.263001	8.528334	5.163304	1.220806	10.91813	5.546942	0.508049
TRNAA-AGC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_19	1	0.260846	0	0	0	0	0	0	0	0	0	0.052169	0	0
TRNAA-AGC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-AGC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-CGC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-CGC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-CGC_3	1	0	0	0	1.249861	0	0	0	0	0	0	0.249972	0	0
TRNAA-CGC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-CGC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-CGC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-CGC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-CGC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-CGC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-GGC	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAA-UGC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAA-UGC_9	1	0.260846	0	0	0	0	0	0	0	0	0	0.052169	0	0
TRNAC-ACA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_102	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_103	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_104	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_105	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_106	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_107	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_108	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_109	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAC-ACA_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_32	1	0	0.294574	0	0	0	0	0	0	0	0	0.058915	0	0
TRNAC-ACA_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_34	1	0.260846	0	0	0	0	0	0	0	0	0	0.052169	0	0
TRNAC-ACA_35	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_36	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_37	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_38	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_39	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_40	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_41	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_43	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_44	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_45	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_46	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_47	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_48	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_49	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_50	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_51	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_52	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_53	1	0	0	0.569676	0	0	0	0	0	0	0	0.113935	0	0
TRNAC-ACA_54	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_55	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_56	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_57	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_58	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_59	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_60	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_61	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_62	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_63	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_64	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_65	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_66	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_67	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_68	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAC-ACA_69	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_70	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_71	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_72	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_73	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_74	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_75	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_76	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_77	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_78	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_79	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_80	1	0	0.294574	0	0	0	0	0	0	0	0	0.058915	0	0
TRNAC-ACA_81	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_82	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_83	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_84	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_85	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_86	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_87	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_88	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_89	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_90	1	0	0.589149	0	0	0	0	0	0	0	0	0.11783	0	0
TRNAC-ACA_91	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_92	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_93	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_94	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_95	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_96	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_97	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_98	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-ACA_99	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_102	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_103	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_104	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_105	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_106	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_107	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_108	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_109	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAC-GCA_11	1	0	0	0.569676	0	0	0	0	0	0	0	0.113935	0	0
TRNAC-GCA_110	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_111	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_112	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_113	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_114	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_115	1	0	0	0	0.312465	0	0	0	0	0	0	0.062493	0	0
TRNAC-GCA_116	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_117	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_118	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_119	1	0.257272	0	0	0	0	0	0	0	0	0	0.051454	0	0
TRNAC-GCA_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_120	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_121	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_123	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_125	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_126	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_127	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_128	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_129	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_131	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_132	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_133	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_134	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_135	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_136	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_137	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_138	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_139	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_140	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_142	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_143	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_144	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_145	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_146	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_147	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_148	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_149	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_150	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAC-GCA_151	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_152	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_153	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_154	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_155	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_156	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_157	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_158	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_159	1	0	0.294574	0	0	0	0	0	0	0	0	0.058915	0	0
TRNAC-GCA_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_160	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_161	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_162	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_163	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_164	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_165	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_166	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_167	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_168	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_169	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_170	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_171	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_172	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_173	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_174	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_175	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_176	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_177	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_178	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_179	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_180	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_181	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_182	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_183	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_184	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_185	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_186	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_187	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_188	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_189	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_191	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_192	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAC-GCA_193	1	1.565073	0.589149	0	0	0	0	0	0	0	0	0.430844	0	0
TRNAC-GCA_194	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_195	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_196	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_197	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_198	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_199	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_200	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_201	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_202	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_203	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_204	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_205	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_206	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_207	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_208	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_209	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_210	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_211	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_212	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_213	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_214	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_215	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_216	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_217	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_218	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_219	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_220	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_221	1	1.043382	1.178298	0	0	0	0	0	0	0	0	0.444336	0	0
TRNAC-GCA_222	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_223	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_224	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_225	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_226	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_227	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_228	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_229	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_230	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_231	1	0	0	0.569676	1.874792	0	0	0	0	0	0	0.488894	0	0
TRNAC-GCA_232	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_233	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAC-GCA_234	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_235	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_236	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_237	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_238	1	0.782537	3.829467	0	0	0	0	0	0	0	0	0.922401	0	0
TRNAC-GCA_239	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_24	1	0	0	19.369	12.49861	0	0	0	0	0	0	6.373522	0	0
TRNAC-GCA_240	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_241	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_242	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_243	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_244	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_245	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_246	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_247	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_248	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_249	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_250	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_251	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_252	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_253	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_254	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_255	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_256	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_257	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_258	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_259	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_260	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_261	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_262	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_263	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_264	1	0.521691	0	0	0	0	0	0	0	0	0	0.104338	0	0
TRNAC-GCA_265	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_266	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_267	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_268	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_269	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_270	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_271	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_272	1	0	0	0.569676	0	0	0	0	0	0	0	0.113935	0	0
TRNAC-GCA_273	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_274	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_275	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAC-GCA_276	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_277	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_278	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_279	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_280	1	0	0	0.569676	0	0	0	0	0	0	0	0.113935	0	0
TRNAC-GCA_281	1	0	0	0.569676	0	0	0	0	0	0	0	0.113935	0	0
TRNAC-GCA_282	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_283	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_35	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_36	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_37	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_38	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_39	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_40	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_41	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_43	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_44	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_45	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_46	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_47	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_48	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_49	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_50	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_51	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_52	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_53	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_54	1	0	0	0	0.624931	0	0	0	0	0	0	0.124986	0	0
TRNAC-GCA_55	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_56	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_57	1	0	0	0	0.624931	0	0	0	0	0	0	0.124986	0	0
TRNAC-GCA_58	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_59	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_60	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_61	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAC-GCA_62	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_63	1	0	0	1.139353	0	0	0	0	0	0	0	0.227871	0	0
TRNAC-GCA_64	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_65	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_66	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_67	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_68	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_69	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_70	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_71	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_72	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_73	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_74	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_75	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_76	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_77	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_78	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_79	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_80	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_81	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_82	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_83	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_84	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_85	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_86	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_87	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_88	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_89	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_90	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_91	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_92	1	0	0.298723	0	0	0	0	0	0	0	0	0.059745	0	0
TRNAC-GCA_93	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_94	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_95	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_96	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_97	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_98	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAC-GCA_99	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-AUC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-AUC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-AUC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_10	1	1.029089	0	0	0	0	0	0	0	0	0	0.205818	0	0

TRNAD-GUC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAD-GUC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAE-CUC_34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-CUC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_10	1	0	0	1.139353	0	0	0	0	0	0	0	0.227871	0	0
TRNAE-UUC_100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_102	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_103	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_104	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_105	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_106	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_107	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_108	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_109	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_110	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_111	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_112	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_113	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_114	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_115	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_116	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_117	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_118	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_119	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_120	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_121	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_123	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_125	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_13	1	0	0	0	0.624931	0	0	0	0	0	0	0.124986	0	0
TRNAE-UUC_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAE-UUC_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_35	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_36	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_37	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_38	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_39	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_40	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_41	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_43	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_44	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_45	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_46	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_47	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_48	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_49	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_50	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_51	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_52	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_53	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_54	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_55	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_56	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_57	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_58	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_59	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_60	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_61	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_62	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAE-UUC_63	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_64	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_65	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_66	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_67	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_68	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_69	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_70	1	0	0	0	0.624931	0	0	0	0	0	0	0.124986	0	0
TRNAE-UUC_71	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_72	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_73	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_74	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_75	1	0	0.581078	0	0	0	0	0	0	0	0	0.116216	0	0
TRNAE-UUC_76	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_77	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_78	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_79	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_8	1	0.260846	0	0	0	0	0	0	0	0	0	0.052169	0	0
TRNAE-UUC_80	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_81	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_82	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_83	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_84	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_85	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_86	1	3.651838	1.178298	0	0	0	0	0	0	0	0	0.966027	0	0
TRNAE-UUC_87	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_88	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_89	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_90	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_91	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_92	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_93	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_94	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_95	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_96	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_97	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_98	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAE-UUC_99	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-AAA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-AAA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-AAA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-AAA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-AAA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-AAA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAF-GAA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAF-GAA_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-ACC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-ACC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_100	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_101	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_102	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_103	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_104	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_105	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_106	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_107	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_108	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_109	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_110	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_111	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAG-CCC_112	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_113	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_114	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_115	1	0	0	0	1.23274	0	0	0	0	0	0	0.246548	0	0
TRNAG-CCC_116	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_117	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_118	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_119	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_120	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_121	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_122	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_123	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_124	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_125	1	0	0	0	0.61637	0	0	0	0	0	0	0.123274	0	0
TRNAG-CCC_126	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_127	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_128	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_129	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_130	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_131	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_132	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_133	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_134	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_135	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_136	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_137	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_138	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_139	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_140	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_141	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_142	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_143	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_144	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_145	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_146	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_147	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_148	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_149	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_150	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_151	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_152	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_153	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAG-CCC_154	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_155	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_156	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_157	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_158	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_159	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_160	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_161	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_162	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_163	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_164	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_165	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_166	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_167	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_168	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_169	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_170	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_171	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_172	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_173	1	0	0	0.561873	0	0	0	0	0	0	0	0.112375	0	0
TRNAG-CCC_174	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_175	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_176	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_177	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_178	1	0.257272	0	0	0	0	0	0	0	0	0	0.051454	0	0
TRNAG-CCC_179	1	0	0.290539	0	0	0	0	0	0	0	0	0.058108	0	0
TRNAG-CCC_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_180	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_181	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_182	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_183	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_184	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_185	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_186	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_187	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_188	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_189	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_190	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_191	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAG-CCC_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_35	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_36	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_37	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_38	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_39	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_40	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_41	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_43	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_44	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_45	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_46	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_47	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_48	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_49	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_50	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_51	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_52	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_53	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_54	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_55	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_56	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_57	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_58	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_59	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_60	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_61	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_62	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_63	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_64	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAG-CCC_65	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_66	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_67	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_68	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_69	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_70	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_71	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_72	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_73	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_74	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_75	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_76	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_77	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_78	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_79	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_80	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_81	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_82	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_83	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_84	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_85	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_86	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_87	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_88	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_89	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_90	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_91	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_92	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_93	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_94	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_95	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_96	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_97	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_98	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-CCC_99	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAG-GCC_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_6	1	0	0.573226	0	0	0	0	0	0	0	0	0.114645	0	0
TRNAG-GCC_7	1	0	0	1.123745	0	0	0	0	0	0	0	0.224749	0	0
TRNAG-GCC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-GCC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_29	1	0	0	1.139353	0	0	0	0	0	0	0	0.227871	0	0
TRNAG-UCC_3	1	0	0.290539	0	0	0	0	0	0	0	0	0.058108	0	0
TRNAG-UCC_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_31	1	0	0.581078	0	0	0	0	0	0	0	0	0.116216	0	0
TRNAG-UCC_32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_35	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAG-UCC_36	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_37	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_38	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_39	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_40	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_41	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_43	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_44	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_45	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_46	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_47	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_48	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_49	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_50	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_51	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_52	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_53	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_54	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_55	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_56	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_57	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_58	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_59	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_60	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_61	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_62	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_63	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_64	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_65	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_66	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_67	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_68	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_69	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_70	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_71	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAG-UCC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-AUG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-AUG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-AUG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-AUG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAH-GUG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAH-GUG_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_3	1	0	0.573226	0	0	0	0	0	0	0	0	0.114645	0	0
TRNAI-AAU_4	1	1.522774	0.573226	1.10856	0.608041	0	0	0	0	0	0	0.76252	0	0
TRNAI-AAU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-AAU_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-UAU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-UAU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-UAU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-UAU_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-UAU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-UAU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-UAU_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAI-UAU_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAK-CUU_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_7	1	0.514545	0	0	0	0	0	0	0	0	0	0.102909	0	0
TRNAK-CUU_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-CUU_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAK-UUU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_35	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_36	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_37	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_38	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_39	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_40	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_41	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_43	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_44	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_45	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_46	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAK-UUU_8	1	0.521691	0	0	0	0	0	0	0	0	0	0.104338	0	0
TRNAK-UUU_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-AAG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-AAG_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-AAG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-AAG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-AAG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-AAG_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-AAG_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-AAG_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-AAG_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-AAG_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAA_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAA_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAA_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAL-CAG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-CAG_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-UAA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-UAA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-UAA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-UAA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-UAA_5	1	0	0	0	0.271054	0	0	0	0	0	0	0.054211	0	0
TRNAL-UAA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-UAA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-UAG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-UAG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-UAG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAL-UAG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_17	1	0	0.581078	0	0	0	0	0	0	0	0	0.116216	0	0
TRNAM-CAU_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_35	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_36	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAM-CAU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAM-CAU_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_20	1	0.507591	0	0	0	0	0	0	0	0	0	0.101518	0	0
TRNAN-GUU_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAN-GUU_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-AGG_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAP-AGG_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-CGG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-CGG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-CGG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-CGG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-UGG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-UGG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-UGG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-UGG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-UGG_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-UGG_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-UGG_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-UGG_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAP-UGG_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_7	1	0	0	1.139353	0	0	0	0	0	0	0	0.227871	0	0
TRNAQ-CUG_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-CUG_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAQ-UUG_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAQ-UUG_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_15	1	0.529039	0	0	0	0	0	0	0	0	0	0.105808	0	0
TRNAR-ACG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-ACG_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCG_1	1	0.257272	0	0	0	0	0	0	0	0	0	0.051454	0	0
TRNAR-CCG_2	1	0	0.581078	0	0	0	0	0	0	0	0	0.116216	0	0
TRNAR-CCG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCG_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCG_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-CCU_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAR-CCU_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-GCG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-GCG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-GCG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-GCG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCG_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCG_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCG_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCG_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCG_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCG_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCG_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCG_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCG_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCG_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCU_1	1	0	0	0	1.23274	0	0	0	0	0	0	0.246548	0	0
TRNAR-UCU_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCU_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCU_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCU_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCU_4	1	0	0	0.965099	0	0	0	0	0	0	0	0.19302	0	0
TRNAR-UCU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCU_6	1	0	0.932279	0	0.494451	0	0	0	0	0	0	0.285346	0	0
TRNAR-UCU_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCU_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAR-UCU_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-ACU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-ACU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_4	1	0	0	0	0.54872	0	0	0	0	0	0	0.109744	0	0
TRNAS-AGA_5	1	0	1.034603	0	0	0	0	0	0	0	0	0.206921	0	0
TRNAS-AGA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-AGA_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-CGA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-CGA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAS-CGA_3	1	0.916141	0	0	0	0	0	0	0	0	0	0.183228	0	0
TRNAS-CGA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-CGA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_18	1	0.45807	0.517301	0	0	0	0	0	0	0	0	0.195074	0	0
TRNAS-GCU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_5	1	0.45807	0	1.000407	0.54872	0	0	0	0	0	0	0.401439	0	0
TRNAS-GCU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GCU_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_14	1	1.043382	1.178298	0	0	0	0	0	0	0	0	0.444336	0	0
TRNAS-GGA_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_17	1	1.565073	0	0	0	0	0	0	0	0	0	0.313015	0	0
TRNAS-GGA_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAS-GGA_32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_35	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_36	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_37	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_38	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_39	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_40	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_41	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_43	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_44	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_45	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_46	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-GGA_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNASTOP-UCA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNASTOP-UCA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNASTOP-UCA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNASTOP-UCA_4	1	0	0.294574	0	0	0	0	0	0	0	0	0.058915	0	0
TRNASTOP-UCA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNASTOP-UCA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNASTOP-UCA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-UGA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-UGA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-UGA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAS-UGA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_1	1	0	0	0	0.912061	0	0	0	0	0	0	0.182412	0	0
TRNAT-AGU_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-AGU_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAT-CGU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-CGU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-CGU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-CGU_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-CGU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-CGU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAT-UGU_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAU1AP	1	4.008931	3.45928	3.235275	2.736995	8.039954	10.55573	6.028946	7.916645	8.783129	12.11796	4.296087	9.080481	2.113663
TRNAV-AAC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-AAC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAV-CAC_2	1	0	0	0	0.61637	0	0	0	0	0	0	0.123274	0	0
TRNAV-CAC_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-CAC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAV-UAC_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_12	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_15	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAW-CCA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_35	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_36	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_37	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_38	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_39	1	0	1.178298	0	0.624931	0	0	0	0	0	0	0.360646	0	0
TRNAW-CCA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_40	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_41	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_43	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_44	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_45	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_46	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_47	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_48	1	0	0	0.569676	0.937396	0	0	0	0	0	0	0.301414	0	0
TRNAW-CCA_49	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_50	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_51	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_52	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_53	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_54	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_55	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_56	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_57	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_58	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_59	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_60	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_61	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_62	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_63	1	0	0.581078	0	0	0	0	0	0	0	0	0.116216	0	0
TRNAW-CCA_64	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_65	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_66	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAW-CCA_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-AUA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-AUA_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

TRNAY-AUA_2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-AUA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-AUA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-AUA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-AUA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-AUA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-AUA_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-AUA_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_1	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_10	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_11	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_12	1	0	0.294574	0	0	0	0	0	0	0	0	0.058915	0	0
TRNAY-GUA_13	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_14	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_15	1	0.417353	0	0	0	0	0	0	0	0	0	0.083471	0	0
TRNAY-GUA_16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_18	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_19	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_2	1	0.208676	0	0	0	0	0	0	0	0	0	0.041735	0	0
TRNAY-GUA_20	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_21	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_22	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_23	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_24	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_25	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_26	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_27	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_28	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_29	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_3	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_30	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_31	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_32	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_33	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_34	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_4	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_6	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_7	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_8	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNAY-GUA_9	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TRNP1	1	4.658733	6.362148	6.349493	7.14717	17.8069	1.405402	1.414225	1.508801	2.414432	3.047283	8.46489	1.958028	0.231312
TRNT1	1	12.24697	12.61932	11.68833	14.27726	12.31063	5.068972	7.546785	6.915833	10.12772	10.16108	12.6285	7.96408	0.630643
TRO	0.01208	0.041493	0.017572	0.067965	0	0	2.714347	0.231449	0.107237	3.968344	9.458282	0.025406	3.295932	129.7305
TROAP	1	0.064517	0.123861	0.140902	0.077284	0.035016	0.135055	0.246771	0.850376	0.266823	0.064349	0.088316	0.312675	3.54041

TROVE2	1	4.399717	7.564177	7.185095	5.923293	2.886836	2.611809	3.962934	4.785926	5.295838	3.875221	5.591823	4.106346	0.734348
TRPA1	1	1.088871	0.585787	0.149799	0.318385	0.174498	0	0	0	0.044323	0	0.463468	0.008865	0.019127
TRPC1	1	11.94822	13.2811	6.093911	6.16003	9.865394	11.49016	19.8877	25.69053	23.37104	15.96685	9.46973	19.28125	2.036093
TRPC2	1	0.17045	0.38498	0.587772	0.408362	0.316478	0.046948	0.047658	0.034778	1.692762	0.275888	0.373608	0.419607	1.12312
TRPC3	1	1.358093	1.024184	3.145178	1.413941	1.088312	1.741062	0.561681	4.263722	12.36895	3.015189	1.605942	4.390121	2.733674
TRPC4	1	3.198356	2.621097	0.575458	1.14838	1.49092	0.909517	2.602982	0.130401	0.101438	0.069896	1.806842	0.762847	0.422199
TRPC4AP	1	33.14137	33.77424	52.91989	58.21904	27.38238	46.47868	47.78929	52.99417	42.86213	43.5023	41.08738	46.72531	1.137218
TRPC5	1	0.064208	0.384306	0.70114	0.499944	0	0.470431	2.237601	0.597392	0.331933	0.149429	0.32992	0.757357	2.29558
TRPC5OS	1	0	0	0	0	0.138492	0	0.32534	0	0	0	0.027698	0.065068	2.34916
TRPC6	1	2.179337	3.045137	1.048723	1.956732	2.071572	0.451053	1.25586	1.824422	1.506428	0.491225	2.0603	1.105798	0.536717
TRPC7	1	0.27478	0.14433	0.334944	0.176061	0.034682	0.133769	0.162947	0.462425	1.387477	0.169963	0.192959	0.463316	2.401107
TRPM1	1	0.021448	0.01211	0.015614	0.072794	0	2.656392	0.288641	0.175528	1.459866	2.757161	0.024393	1.467518	60.16141
TRPM2	1	3.782247	4.820608	7.087524	6.019998	7.286013	10.96598	9.72388	3.243249	5.220128	2.208984	5.799278	6.272443	1.08159
TRPM3	1	1.881389	1.490992	7.98348	2.678745	0.918089	1.079597	1.823584	3.262887	7.763816	3.100062	2.990539	3.405989	1.138922
TRPM4	1	0.787789	0.920157	1.661511	1.774132	2.394335	5.724741	4.017627	4.711874	2.536637	5.881829	1.507585	4.574541	3.034351
TRPM5	1	0.031241	0	0.068229	0.112269	0	0	0	0	0.026917	0.008655	0.042348	0.007115	0.168003
TRPM6	1	0.581884	0.761668	1.093394	1.002554	0.769014	0.998585	0.361308	0.346666	1.005966	0.728605	0.841703	0.688226	0.817659
TRPM7	1	3.467468	4.060365	5.941247	4.203574	0.743073	3.691585	5.432858	7.138411	5.323814	3.745421	3.683146	5.066418	1.375568
TRPM8	0.839737	0.129068	0.166095	0.131107	0.147418	0.122179	0.172791	1.537147	2.746123	2.575835	0.578797	0.139174	1.522139	10.93698
TRPS1	1	3.12263	3.510107	3.226653	2.800573	1.395165	2.124144	3.147134	2.037379	5.520843	1.313457	2.811026	2.828591	1.006249
TRPT1	1	3.142117	2.494026	5.960363	5.226475	14.03247	6.483526	3.014116	2.784213	0.464103	5.282941	6.171089	3.60578	0.584302
TRPV1	1	0.054374	0.061405	0.261253	0.143296	0.088532	0.398382	0.265748	0.576162	0.02811	9.43653	0.121772	2.140986	17.5819
TRPV2	1	6.652487	4.980606	3.571589	6.249306	5.803358	5.770169	6.682853	0.860605	0.688584	2.411008	5.451469	3.282644	0.602158
TRPV3	1	0.715462	1.338546	2.880284	4.033838	1.048426	0.673965	0.212845	0.104781	0.936999	0.824607	2.003311	0.550639	0.274865
TRPV4	1	0.058133	0.083157	0.389346	0.227482	0.084136	0.709869	0.411767	0.420677	0.761336	0.270583	0.168451	0.514846	3.056364
TRPV5	0.103987	0	0	0	0.015607	0	0	0.83056	0.808127	1.81855	0.44399	0.003121	0.780245	249.9664
TRPV6	1	0.011804	0	0.425378	1.47768	0.14415	0.247106	0.3888	0.472873	0.64076	0.745672	0.411802	0.499042	1.211848
TRRAP	1	5.993177	6.409622	14.66397	11.33274	3.462635	5.572821	9.928805	18.61152	11.7748	13.93082	8.372429	11.96375	1.428946
TRUB1	1	2.848694	3.022075	0.977991	1.512328	2.32791	7.030548	11.00606	4.475937	6.861312	4.10767	2.1378	6.696305	3.132335
TRUB2	1	6.551285	6.291557	9.723377	9.777595	4.910226	4.94236	4.258135	3.332958	4.020644	10.13845	7.450808	5.338509	0.716501
TSACC	1	0.211258	1.097447	0.276828	0.379598	0.515957	1.547819	0.404022	0.436788	0.982917	1.018428	0.496218	0.877995	1.769374
TSC1	1	10.40005	10.02838	10.53624	11.9676	6.509552	2.382154	3.189595	4.758559	3.794373	2.916738	9.888364	3.408284	0.344676
TSC2	1	8.194829	7.002516	13.15806	13.38093	5.757729	10.46549	9.806828	12.4186	13.44689	13.69327	9.498812	11.96622	1.259759
TSC22D1	1	41.95309	40.87237	34.88361	38.67855	70.91963	49.04268	39.16825	35.92243	28.77441	44.0827	45.46145	39.39809	0.866626
TSC22D2	1	4.83875	6.659836	5.246596	5.495425	4.985508	4.206377	5.569947	4.293685	7.837347	4.387156	5.445223	5.258903	0.965783
TSC22D3	1	26.1967	28.17797	40.08233	49.6995	65.6712	37.02967	20.5603	16.37311	14.68832	11.06927	41.96554	19.94413	0.47525
TSC22D4	1	9.658387	11.30377	32.54163	38.7748	42.223	58.411	29.26705	11.844	21.04845	31.76278	26.90032	30.46666	1.132576
TSEN15	1	14.60735	14.60855	12.01706	13.46865	22.08771	4.45522	3.551828	4.024719	12.88098	6.644408	15.35786	6.31143	0.410958
TSEN2	1	3.574843	3.48126	3.02675	3.428929	3.303947	2.575784	5.834887	5.858049	2.008766	2.303827	3.363146	3.716263	1.104996
TSEN34	1	2.670327	3.501545	6.357037	7.913541	10.1999	30.46617	10.62253	8.144199	6.542477	11.88635	6.128469	13.53234	2.208112
TSEN54	1	1.3426	1.288337	2.915237	3.002766	3.243236	3.736512	1.51718	4.813698	3.851518	5.044238	2.358435	3.792629	1.608112
TSFM	1	11.15787	9.320315	12.92261	15.26222	12.47019	35.30914	37.72032	32.80891	20.65752	29.32951	12.22664	31.16508	2.548949
TSG101	1	4.505844	1.769905	2.766774	3.379319	7.832611	7.586788	6.91043	6.48075	6.414175	7.794167	4.05089	7.037262	1.737214
TSGA10	1	1.483947	2.258211	1.275667	1.361575	1.285195	2.506044	2.269938	2.583985	5.032703	2.265621	1.532919	2.931658	1.912468
TSGA10IP	1	0.26633	0.114085	0.040114	0.297033	0.099687	0	0	4.390979	3.703202	0.213732	0.16345	1.661582	10.1657
TSGA13	1	0	0.073325	0	0	0	0	0	0.083903	0	0.053967	0.014665	0.027574	1.88026

TSHB	1	0	0	0	0	0	0.529846	0	0	0	0	0	0.105969	#DIV/0!
TSHR	1	0	0.029736	0.25878	0.047313	0	0.0689	0.027976	0	0.816743	0.043772	0.067166	0.191478	2.850822
TSHZ1	1	4.217518	4.849548	7.066978	6.286138	3.49707	3.488336	2.352099	4.447674	6.098168	9.791114	5.18345	5.235478	1.010037
TSHZ2	1	1.500177	0.862891	1.150355	1.271515	0.604315	2.351786	0.762238	0.134407	0.358471	0.150736	1.077851	0.751528	0.697246
TSHZ3	1	7.152654	9.078216	1.910614	3.233847	8.568908	5.049906	6.502472	3.105197	3.552086	5.024425	5.988848	4.646817	0.775912
TSKS	1	0.092654	0.648732	0	0.066593	0.176002	0.387909	0.196884	0.095783	0.287391	0.693095	0.196796	0.332213	1.688104
TSKU	1	7.30337	1.198655	2.354107	4.084466	3.775748	1.151233	2.898181	1.137057	0.852917	0.301688	3.743269	1.268215	0.338799
TSLP	0.000251	1.542522	1.986467	3.073298	3.533469	4.259334	0	0	0	0.279799	0	2.879018	0.05596	0.019437
TSN	1	17.6568	19.04968	18.33238	17.12013	24.0267	26.31924	30.15234	27.95705	20.18785	25.20176	19.23714	25.96365	1.349663
TSNARE1	1	2.331803	2.61047	2.739602	3.435519	4.11784	0.185296	0.333197	0.248377	1.255141	3.094261	3.047047	1.023255	0.335818
TSNAX	0.00122	6.97291	7.424573	4.919997	4.222297	6.300463	30.67694	41.74835	49.23124	44.99986	32.17542	5.968048	39.76636	6.66321
TSNAXIP1	1	0.45588	0.265214	0.422386	0.421983	0.356137	0.506072	0.102743	0.214218	1.963946	0.183715	0.38432	0.594139	1.545947
TSPAN1	1	0.950746	0	0.351389	0.035043	0	0.153094	0.217569	0.378023	0.453693	0.364721	0.267436	0.31342	1.171946
TSPAN10	1	0	0	0.046583	0.025551	0	0	0	0	0.110267	0	0.014427	0.022053	1.52864
TSPAN11	0.007034	2.575115	3.021459	2.468819	2.744873	8.6225	0.319779	0.584297	0.270722	0.473832	0.536901	3.886553	0.437106	0.112466
TSPAN12	1	2.087496	1.688122	1.999061	2.256061	1.608297	5.996442	4.701694	1.940163	6.195808	3.043192	1.927807	4.37546	2.269656
TSPAN13	1	99.98921	112.3124	65.49406	67.8806	121.4646	29.83035	128.546	74.59955	45.2216	33.12191	93.42818	62.26388	0.666436
TSPAN14	1	8.697432	6.418295	13.26116	15.87387	14.12934	11.74372	4.285364	3.866371	4.018578	1.987065	11.67602	5.18022	0.443663
TSPAN15	1	2.666639	4.5619	13.39674	19.34532	14.63994	18.23873	12.38021	16.01257	9.008384	11.52832	10.92211	13.43364	1.22995
TSPAN16	1	0.080674	0.109327	0	0.038655	0.087569	0	0	0	0	0.026821	0.063245	0.005364	0.084817
TSPAN17	1	16.8016	13.82813	13.51008	15.23213	24.57587	47.22815	22.85504	7.747019	5.790547	6.453492	16.78956	18.01485	1.072979
TSPAN18	1	1.727293	2.03026	12.04411	3.256155	3.688196	0.635429	0.948813	1.062878	3.685181	12.24713	4.549204	3.715886	0.816821
TSPAN19	1	0.039066	0.066176	0.063989	0.046797	0	0	0.041506	0.050482	0.050489	0.06494	0.043205	0.041483	0.960146
TSPAN2	1	1.601221	1.614742	3.029178	3.63732	1.584032	6.558039	18.34399	1.702363	11.54453	5.118777	2.293299	8.653541	3.773403
TSPAN3	1	78.17445	75.63714	59.77479	62.99035	124.6681	52.12251	113.4536	79.79221	92.17584	83.92122	80.24897	84.29308	1.050395
TSPAN31	1	20.05169	16.39814	17.15285	15.65966	48.56245	15.75419	18.85856	17.9023	20.89354	21.95622	23.56496	19.07296	0.809378
TSPAN32	1	0.16715	0.036056	0.180474	0.492695	0.096834	0.009829	0.039908	0.0631	0	0.024976	0.194642	0.027563	0.141607
TSPAN33	1	20.75538	18.8958	39.59955	45.39476	51.51856	29.88375	52.57433	28.07832	25.20707	39.84953	35.23281	35.1186	0.996759
TSPAN4	1	4.319936	3.02632	15.68786	9.423909	8.795936	9.31074	3.934134	10.66172	4.167585	46.68226	8.250792	14.95129	1.812103
TSPAN5	1	19.21884	25.45705	22.92772	21.18592	15.20565	22.31333	40.40112	48.63799	44.34992	39.91375	20.79904	39.12322	1.881011
TSPAN6	1	15.09665	8.867585	9.644615	7.831032	18.31244	30.44674	17.31825	15.96564	23.66337	19.73423	11.95046	21.42565	1.792871
TSPAN7	1	256.3566	232.3343	176.1458	192.0731	430.1939	318.9023	532.8875	373.2212	298.2534	385.3919	257.4207	381.7313	1.482908
TSPAN8	1	0.018359	0.041465	0	0	0	0.096077	0	0	0.189815	0.701918	0.011965	0.197562	16.51203
TSPAN9	1	2.994726	2.892582	20.1957	6.813211	3.706364	5.041891	3.938223	22.22914	21.72232	45.80104	7.320517	19.74652	2.697422
TSPEAR	1	0.071059	0.208643	0.356937	0.374533	1.214833	0.223125	0.060399	0.146918	5.91432	1.09855	0.445201	1.488662	3.343799
TSPO	1	3.929819	1.883556	4.49088	8.046551	7.62617	4.065378	1.407961	1.240025	4.724592	8.887471	5.195395	4.065085	0.78244
TSPO2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TSPOAP1	1	9.384342	8.468316	23.66492	17.31364	12.09421	10.74909	8.744709	11.26609	10.98399	14.40771	14.18508	11.23032	0.791699
TSPYL1	1	47.01557	41.33873	36.42435	41.49616	34.00281	9.014621	14.99626	13.68298	13.01487	26.07739	40.05552	15.35723	0.383398
TSPYL2	1	72.5646	59.03134	50.83292	60.3851	62.8564	50.92996	53.23471	111.7764	99.9006	149.8851	61.13407	93.14536	1.523624
TSPYL4	1	112.8728	111.0457	105.473	111.2714	112.4162	47.33643	85.38479	69.57485	88.48532	117.0658	110.6158	81.56944	0.737412
TSPYL5	0.001653	20.85854	20.03951	16.6163	22.38533	26.14167	4.7474	5.683437	3.327637	1.633805	3.220271	21.20827	3.72251	0.175522
TSPYL6	1	0.022587	0.025507	0.012332	0	0	0	0.023998	0	0	0	0.012085	0.0048	0.397143
TSR1	1	11.23595	10.82282	4.381215	4.114785	8.311043	7.599849	13.18412	6.519866	5.004906	4.959623	7.773161	7.453673	0.958899
TSR2	1	46.06151	32.57562	19.23006	21.70491	54.55617	27.9677	18.6023	11.7728	15.65549	16.37151	34.82565	18.07396	0.518984
TSR3	1	15.21685	13.50959	11.2356	14.23728	39.23306	32.3567	14.9492	13.13573	6.88925	18.75266	18.68648	17.21671	0.921346

TSSC4	1	2.140743	1.663952	2.355138	3.613157	2.781497	1.815981	0.737364	0.814028	0.965936	2.582446	2.510897	1.383151	0.550859
TSSK1B	1	0.104338	0.132558	2.221738	1.515457	0.424709	0	0	0.067414	0	0	0.87976	0.013483	0.015326
TSSK2	1	0	0.063359	1.868573	3.276335	0.076124	0	0	0	0	0.046632	1.056878	0.009326	0.008824
TSSK3	1	0.464392	0.512244	2.429397	2.742651	0.996443	0.621709	1.353995	1.172283	3.349869	6.391232	1.429025	2.577817	1.803899
TSSK4	1	0.071854	0.081145	0.431548	0.193666	0.024374	0.094009	0	0.046426	0.92865	0.462852	0.160517	0.306387	1.908748
TSSK6	1	0.069345	0.208831	0.100964	0.055378	0	0	0	0	1.015715	1.402502	0.086904	0.483643	5.565285
TST	1	4.085712	5.204008	14.10132	9.660125	14.79516	18.15706	19.10025	10.66315	7.8254	20.57586	9.569265	15.26435	1.595143
TSTA3	1	3.690544	4.082231	5.854804	5.672757	10.39853	3.144111	3.647544	3.627311	7.882067	9.861184	5.939774	5.632443	0.948259
TSTD1	1	4.218709	3.50141	4.82876	3.774953	14.34472	10.24095	11.98873	8.341463	0	0.211232	6.13371	6.156474	1.003711
TSTD2	1	7.565821	5.20296	3.980032	4.221951	7.593382	7.648392	6.040706	10.68645	5.574346	6.051438	5.712829	7.200266	1.260368
TSTD3	1	1.930886	1.729116	0.823629	0.569214	2.190068	5.328786	3.926733	1.676417	7.174548	7.071538	1.448583	5.035604	3.476229
TTBK1	1	8.326155	8.17659	15.62485	18.80801	8.102785	10.91447	7.869749	5.26501	5.210201	9.270419	11.80768	7.70597	0.652624
TTBK2	1	7.780236	11.59671	12.2149	9.399059	9.526439	4.605598	6.421927	8.281306	9.415732	5.465927	10.10347	6.838098	0.676807
TTC1	1	35.27141	37.47713	28.45896	34.80037	62.47972	82.57833	74.41205	45.79655	42.99894	30.85939	39.69752	55.32905	1.393766
TTC12	0.278433	3.472298	2.046676	7.320659	10.0672	5.135684	1.888511	2.539007	2.196858	2.777564	0.25328	5.608503	1.931044	0.344306
TTC13	1	4.574037	4.926721	3.220972	3.168923	3.778305	8.258009	12.33852	17.64538	13.83578	6.85779	3.933791	11.78709	2.99637
TTC14	1	15.23464	16.74001	11.24552	12.73839	11.20155	10.91247	17.30169	28.60718	33.39009	8.567446	13.43202	19.75578	1.470797
TTC16	1	0.011767	0.046512	0.128498	0.098673	0.063866	0.184749	0.250053	0.152062	0.304168	0.489036	0.069863	0.276014	3.950761
TTC17	1	10.24651	10.39129	9.710517	9.250941	6.545653	5.881712	8.638096	14.69308	9.394745	9.040988	9.228981	9.529724	1.032587
TTC19	1	18.37724	20.69332	13.38948	15.39063	42.07827	7.61262	9.726262	8.424296	4.68522	11.35621	21.98578	8.360922	0.380288
TTC21A	1	2.776526	3.073124	3.101558	3.6214	4.142287	1.824653	2.800908	2.670311	2.198106	2.38904	3.342979	2.376604	0.710924
TTC21B	1	6.443508	6.479311	5.595706	4.993817	3.992766	7.323915	11.57183	18.58697	14.92857	9.038504	5.501022	12.28996	2.234123
TTC22	1	0.067598	0.057254	0.159933	0.040487	0.183438	0	0.03591	0.058234	0	0	0.101742	0.018829	0.185065
TTC23	1	0.582575	0.350523	0.771736	0.640661	0.311	1.624364	1.106031	1.098371	1.678654	0.444527	0.531299	1.190389	2.240526
TTC23L	1	0.394556	0.942072	0.492397	0.24307	0.244731	0.235982	0.287456	0.058269	0	0	0.463365	0.116341	0.251079
TTC24	1	0.138095	0.093571	0.331753	0.595522	0.562115	0	0	0.03569	0.535425	0.126258	0.344211	0.139474	0.4052
TTC25	1	2.086764	1.39169	1.022726	1.328593	1.64979	4.127517	2.810698	2.14451	3.100436	0.778454	1.495913	2.592323	1.732937
TTC26	1	1.915658	2.480409	1.659062	1.686447	2.139886	1.685282	3.324971	5.174981	2.646561	1.557916	1.976292	2.877942	1.456233
TTC27	1	2.2281	2.190434	1.914033	1.941709	1.878762	1.222111	3.029911	1.675687	1.690133	0.753557	2.030608	1.67428	0.824522
TTC28	1	1.837997	1.641491	1.526621	1.299117	0.959606	1.000618	1.035391	0.733252	0.292281	0.095694	1.452966	0.631447	0.434592
TTC29	1	0.104966	0.255315	0.211608	0.193444	0.175289	0.084511	0.377466	0.250412	0.500896	0.067111	0.188124	0.256079	1.361223
TTC3	1	68.13162	79.55712	48.3015	59.44299	40.31858	30.97481	49.25465	54.60482	34.31727	58.74553	59.15036	45.57942	0.770569
TTC30A	1	3.244261	2.695431	2.33383	3.142751	2.378952	1.540436	4.323979	2.017598	3.175698	1.446655	2.759045	2.500873	0.906427
TTC30B	1	0.412454	0.369417	0.590168	0.442965	0.405251	1.228116	2.719999	1.415159	1.985187	1.016633	0.444051	1.673019	3.767627
TTC31	1	0.469161	0.480919	0.756649	0.890562	1.292736	6.648126	2.944818	7.741475	1.305981	1.739782	0.778006	4.076037	5.239084
TTC32	1	1.544534	1.354578	1.004784	2.224162	1.961912	1.289849	2.793241	5.265727	8.749175	4.042496	1.617994	4.428098	2.736782
TTC33	1	6.445545	6.801457	0.514523	0.618699	3.499857	6.433356	7.727524	5.635979	3.232181	3.188285	3.576016	5.243465	1.466287
TTC34	1	0.011226	0.012677	0.355494	0.457212	0	0.117497	0	0	0.058034	0.130628	0.167322	0.061232	0.365952
TTC36	1	0.272978	0	0.238469	0.0654	0.148154	0.571433	0	0	1.411197	4.583182	0.145	1.313162	9.056276
TTC37	1	12.8335	12.28204	10.91171	10.86775	5.698174	10.16478	15.34788	16.39219	17.06504	6.724485	10.51863	13.13888	1.249105
TTC38	1	0.858768	0.534099	1.76679	0.887078	2.820138	1.335237	1.044654	0.498569	1.415499	2.006858	1.373375	1.260163	0.917567
TTC39A	1	1.479852	1.548922	1.143002	1.304307	1.6651	1.82595	4.819179	0.171018	0.435383	1.210003	1.428237	1.692307	1.184892
TTC39B	1	3.665023	6.360031	5.092498	2.793215	2.473587	1.45485	2.435254	3.890478	5.777908	3.090258	4.076871	3.329749	0.816741
TTC39C	1	1.938444	2.522436	1.212316	1.329902	1.85306	4.080861	3.941226	2.539057	0.93378	3.244311	1.771232	2.947847	1.664292
TTC4	1	4.74597	4.071122	4.616864	4.829877	3.723133	4.798931	11.97401	25.54447	11.18186	21.62017	4.397393	15.02389	3.416545
TTC5	1	8.109241	6.491039	5.420614	4.802837	10.79839	9.413207	9.139008	14.10176	7.064895	6.598146	7.124424	9.263404	1.300232

TTC6	1	0.214314	0.380836	0.082598	0.173668	0.111184	0.230913	0.087063	0.008145	0	0.031435	0.19252	0.071511	0.371449
TTC7A	1	0.713342	0.863584	1.13416	0.984394	0.232293	2.060702	0.921617	1.209397	1.386584	1.252219	0.785555	1.366104	1.739031
TTC7B	1	13.16114	13.75875	11.09988	15.29018	12.78069	48.88994	28.5119	30.42389	26.49966	51.33613	13.21813	37.1323	2.809195
TTC8	1	12.06715	13.1617	8.299175	10.93336	11.86011	3.031266	11.02144	13.42737	16.69591	9.978757	11.2643	10.83095	0.961529
TTC9	1	14.44263	13.57857	15.52398	16.21652	15.2239	13.9651	9.168824	11.39345	11.49595	20.89554	14.99712	13.38377	0.892423
TTC9B	1	6.313091	6.260594	16.40668	17.42879	53.7283	33.27531	13.17459	6.374283	12.51647	19.93572	20.02749	17.05527	0.851593
TTC9C	1	3.123961	4.715519	4.458338	5.076017	6.697987	2.589895	2.98393	4.188731	5.084772	3.208389	4.814364	3.611143	0.750077
TTF1	1	12.4321	10.04259	5.217673	7.181181	8.784332	3.781734	3.791849	4.9167	3.888189	3.493414	8.731576	3.974377	0.455173
TTF2	1	2.247242	2.355328	1.676402	2.20196	1.575959	7.426326	11.2675	9.01851	9.215621	2.946559	2.011378	7.974904	3.964895
TTI1	1	3.609153	3.01562	4.110375	4.137715	3.557104	2.178479	5.034428	3.79973	3.525564	2.355678	3.685993	3.378776	0.916653
TTI2	1	4.878304	3.674955	4.372536	3.9406	3.221381	4.265263	2.673111	3.525882	4.366013	4.78119	4.017555	3.922292	0.976288
TTK	1	0.138815	0.1291	0.017833	0.009782	0	0.918765	0.798168	0.601451	3.672548	0.101805	0.059106	1.218547	20.61627
TTL	1	31.58214	28.80283	22.73376	27.39462	6.490686	14.68869	41.30872	9.99778	6.371752	5.558352	23.40081	15.58506	0.666005
TTLL1	1	20.33239	17.21841	10.10253	12.36732	25.83342	41.70034	16.70822	19.4796	22.92342	20.76032	17.17081	24.31438	1.41603
TTLL10	1	0.156804	0.189154	0.786089	0.41836	0.570577	1.100361	0.628539	0.34078	1.400165	1.404015	0.424197	0.974772	2.297924
TTLL11	1	4.901626	5.156598	5.683231	5.96331	1.171054	2.32656	1.705961	1.477229	1.178588	1.136949	4.575164	1.565057	0.342077
TTLL12	1	10.18414	9.721504	12.06174	13.4455	12.68072	20.00666	11.8348	7.823875	8.808156	15.00035	11.61872	12.69477	1.092613
TTLL2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
TTLL3	1	3.309908	3.452946	2.560843	2.791444	2.873166	2.640997	3.868888	4.449754	3.913284	3.117074	2.997661	3.597999	1.200269
TTLL4	1	3.850372	4.057633	11.55848	13.73232	4.321759	2.922169	6.923101	12.19727	5.597505	3.648263	7.504113	6.257662	0.833898
TTLL5	1	4.344773	4.906577	5.277201	5.042223	3.184007	7.498146	5.587179	6.645218	4.464155	5.381442	4.550956	5.915228	1.299777
TTLL6	0.156702	0.014026	0.01584	0	0	0	0.550522	0.804726	1.014987	0.471312	0.046632	0.005973	0.577636	96.70537
TTLL7	1	22.25241	30.32703	22.75525	29.40967	13.46704	41.17424	50.0161	16.21365	39.74134	16.30854	23.64228	32.69077	1.382725
TTLL8	1	0.113404	0.099608	0.302706	0.988652	0.068387	0.956159	0.749705	0.602452	2.247311	0.596962	0.314551	1.030518	3.276152
TTLL9	1	0.132619	0.184329	0.289635	0.672114	0.498301	16.60353	5.657848	8.700477	3.691649	1.695822	0.3554	7.269866	20.45547
TTN	1	0.088665	0.065423	0.023144	0.015868	0.034989	0.073946	0.055171	0.010499	0.539629	0.438355	0.045618	0.22352	4.899834
TTPA	1	0.246605	0.337122	0.722824	1.562542	0.158496	0.305659	0.06895	0.285124	1.375503	2.028119	0.605518	0.812671	1.34211
TTPAL	1	3.409366	4.277057	5.755948	4.542941	4.449227	3.301165	2.80021	1.801864	1.689906	2.797666	4.486908	2.478162	0.55231
TTR	1	5.325451	6.014063	95.86623	13.77783	14.10948	0	0	0.08144	72.00325	0.104765	27.01861	14.43789	0.534368
TTYH1	1	37.2562	34.33054	62.94111	69.94759	179.9757	65.60234	61.11373	46.57348	45.61706	113.0242	76.89023	66.38615	0.863389
TTYH2	1	14.5532	30.61085	101.1679	164.692	42.99895	16.66778	12.72879	16.4186	27.74429	70.91878	70.80459	28.89565	0.408104
TTYH3	1	16.13106	13.0999	35.99015	43.07706	39.03851	7.729693	7.680586	6.672439	8.690953	14.86481	29.46734	9.127696	0.309756
TUB	1	16.65253	18.34464	19.86314	23.03113	18.19164	30.66293	15.52031	15.37453	9.947324	9.693604	19.21662	16.23974	0.845088
TUBA1A	1	133.7815	94.07553	168.4715	200.6317	189.5649	357.6818	383.1929	231.4526	114.3981	134.6836	157.305	244.2818	1.552918
TUBA1B	1	362.8492	212.7263	341.5706	377.3978	782.8689	697.2534	843.4576	450.1541	232.6715	455.0288	415.4826	535.7131	1.289376
TUBA1C	1	0.557503	0.33447	0.760978	0.448698	2.316597	2.872008	2.739539	2.881669	1.170848	2.374812	0.883649	2.407775	2.724809
TUBA1D	0.000469	0.269398	0.115898	1.989198	2.458743	0.069625	29.94247	50.94866	28.18128	18.70183	68.51786	0.980572	39.25842	40.03623
TUBA3E	1	0	0.084108	0.02711	0.118956	0	0	0	0.128323	0.256683	0.22698	0.046035	0.122397	2.6588
TUBA4A	1	132.22	106.9846	149.6133	162.4717	180.9436	148.0984	287.775	152.6144	69.02002	272.082	146.4466	185.918	1.269527
TUBA8	1	6.844091	7.869345	15.76105	14.8049	12.03343	3.510232	5.965148	9.694783	13.16371	29.87796	11.46256	12.44236	1.085478
TUBAL3	1	0.072234	0.045319	0.035057	0	0	0	0.03411	0.124457	0	0.120077	0.030522	0.055729	1.825851
TUBB	1	63.76087	62.66631	113.8972	102.863	131.6397	220.0304	209.1382	212.3977	138.7998	330.6424	94.96541	222.2017	2.339817
TUBB1	1	0.087761	0.035396	1.382739	1.081322	0.068044	0	0.066603	0.016201	0.421287	0.53145	0.531053	0.207108	0.389996
TUBB2A	1	66.07629	66.06798	90.90521	137.1687	145.0781	122.019	108.6781	30.39085	30.71522	100.7872	101.0593	78.51807	0.776951
TUBB2B	1	21.88483	16.60956	56.49093	73.39143	21.64419	30.36326	46.92162	15.40087	52.2013	134.8516	38.00419	55.94774	1.472147
TUBB3	1	186.4029	165.433	177.0515	212.2736	283.4535	71.15943	139.383	67.03807	79.28121	219.5397	204.9229	115.2803	0.562554

TUBB4A	0.880252	236.3298	252.37	792.1192	1003.61	555.8347	90.00578	80.25624	59.29597	123.6752	292.4436	568.0528	129.1354	0.22733
TUBB4B	1	103.2771	86.09053	110.9591	129.2157	114.5514	95.19767	136.8826	46.52459	82.99364	252.194	108.8188	122.7585	1.1281
TUBB6	0.000188	3.952667	2.928543	6.76127	6.910729	4.402098	36.40905	44.64209	22.76331	31.35948	119.5061	4.991061	50.93601	10.20545
TUBD1	1	0.889573	1.127612	1.288587	1.348328	1.133106	3.325305	4.802899	5.020376	3.097131	1.690019	1.157441	3.587146	3.099204
TUBE1	1	2.740874	2.238257	2.091868	1.809332	2.619236	4.35715	5.182302	8.207112	9.370038	4.225552	2.299913	6.268431	2.725507
TUBG1	1	9.401823	10.15478	8.153624	10.96242	24.92658	57.00617	40.77915	35.44753	25.9496	55.04196	12.71985	42.84489	3.368349
TUBG2	1	23.5316	19.46698	22.37495	22.8698	28.31396	63.25887	33.39854	19.76523	14.23074	34.63363	23.31146	33.0574	1.418075
TUBGCP2	1	14.69369	14.85297	19.89441	15.67939	8.091337	14.94299	11.86648	14.54674	10.38504	34.31795	14.64236	17.21184	1.175483
TUBGCP3	1	8.171366	9.274054	10.05923	10.91269	7.723668	12.59946	14.33972	12.40477	11.73417	10.98893	9.228202	12.41341	1.34516
TUBGCP4	1	6.832843	6.771363	11.3775	9.285401	4.55869	10.89877	14.94728	15.35008	12.52254	10.10339	7.765159	12.76441	1.643805
TUBGCP5	1	5.324533	5.858529	5.581236	4.726311	3.563995	12.25717	14.82612	15.11866	17.05871	8.096119	5.010921	13.47136	2.688399
TUBGCP6	1	3.887843	3.527321	7.172931	7.049363	4.158596	3.732399	4.810772	6.824639	18.34034	20.70801	5.159211	10.88323	2.109476
TUFM	1	28.02024	23.76866	28.40204	39.25925	76.10079	27.30856	37.1178	25.29028	15.68105	33.65433	39.11019	27.81041	0.711078
TUFT1	1	1.9668	1.242584	2.688389	1.8947	1.847509	1.655503	2.001997	7.215846	12.62068	22.15472	1.927997	9.129749	4.735355
TUG1	1	19.7108	25.37425	25.18421	27.5773	19.43479	18.90566	20.88791	26.14075	26.95626	21.27741	23.45627	22.8336	0.973454
TULP1	1	0.063826	0.05406	0	0.105129	0.043301	0.167012	0.084767	0	2.515935	0	0.053263	0.553543	10.39263
TULP2	1	0.777354	0.754969	1.341192	1.163985	0.991457	0.203407	0.165184	0.120542	3.295285	0.529811	1.005792	0.862846	0.857877
TULP3	1	4.789945	3.895727	4.421554	5.012993	4.788052	1.479773	1.886667	4.384654	4.180645	4.249166	4.581654	3.236181	0.706335
TULP4	1	9.495706	9.169952	10.68226	9.463821	3.782492	9.650086	4.527686	3.578912	7.796877	7.669257	8.518846	6.644563	0.779984
TUNAR	1.80E-11	1.863333	2.271689	1.291274	1.580793	2.607847	0.121734	0.074512	0.216243	0.059229	0.075027	1.922987	0.109349	0.056864
TUSC1	1	2.555668	3.951779	5.123511	4.097591	11.48761	3.840924	0.946885	2.472633	2.168103	10.76254	5.443231	4.038218	0.741879
TUSC2	1	1.723849	2.535902	4.08681	4.333758	3.200709	8.606004	6.09712	3.83967	2.638325	6.937798	3.176205	5.623783	1.770598
TUSC3	1	29.24231	31.24911	18.69728	19.64208	43.74948	20.69744	59.99819	25.77015	29.40133	37.43732	28.51605	34.66089	1.215487
TUT1	1	4.154391	2.520848	5.145897	5.966872	6.431404	5.372226	5.899888	9.241116	4.7726	8.898756	4.843882	6.836917	1.411454
TVP23A	1	7.268081	8.931446	7.302548	7.363254	18.3105	8.120687	12.06187	12.80723	6.520994	6.273973	9.835166	9.156952	0.931042
TVP23B	1	11.58379	11.23028	11.64599	10.80096	19.31053	14.23622	21.43762	27.60969	15.36682	13.7009	12.91431	18.47025	1.430216
TWF1	1	14.14624	14.17948	7.045612	5.987238	3.288073	11.0176	18.02316	17.92779	32.25905	13.92315	8.92933	18.63015	2.0864
TWF2	1	11.39514	11.00358	11.16087	15.3427	30.20064	29.67321	19.2621	7.208396	4.316181	5.109296	15.82059	13.11384	0.82891
TWIST1	1	1.535222	0.274508	0.139703	0.168578	0.833217	1.673816	0.48934	0.264513	0.396827	0.319006	0.590246	0.628701	1.065151
TWIST2	1	0.08101	0.06099	0.589744	0.032347	0.036639	0.141318	0	0	0	0.044889	0.160146	0.037241	0.232546
TWISTNB	1	12.3518	10.51804	3.686142	6.028742	4.038904	3.854373	6.716614	5.670711	3.331532	1.938502	7.324726	4.302346	0.587373
TWNK	1	3.041566	2.882191	3.183421	3.158097	2.82743	2.836512	3.007948	4.120776	3.781328	4.994864	3.018541	3.748286	1.241754
TWSG1	1	12.42882	8.111831	10.52139	10.63807	5.298493	3.441628	5.860602	5.243803	14.81129	4.033866	9.399721	6.678237	0.710472
TXK	6.92E-05	0.031154	0	0.02268	0.01244	0	0.326082	0.132403	0.214711	0.590541	0.431574	0.013255	0.339062	25.58027
TXLNA	1	3.921911	3.255221	4.157837	3.927863	0.659115	2.542215	4.144161	4.532563	3.083699	4.756046	3.184389	3.811737	1.197007
TXLNB	1	0.034545	0.017339	0.033531	0.027587	0	0.381656	0.399655	0.168638	0.158742	0.051044	0.0226	0.231947	10.263
TXLNG	1	5.21429	5.08918	4.173811	3.730741	1.451268	4.11585	4.67938	7.378282	6.627189	5.177201	3.931858	5.59558	1.423139
TXN	1	50.40526	37.76042	31.66681	33.3532	220.4814	274.5808	195.0267	115.6516	91.75927	78.64761	74.73343	151.1332	2.022297
TXN2	1	39.16281	39.16824	31.509	36.18133	78.20512	72.58515	46.3687	28.59286	36.64138	45.48444	44.8453	45.9345	1.024288
TXNDC11	1	5.44513	6.21724	7.077289	8.232729	8.041965	8.321885	7.67962	9.480344	6.134317	10.65368	7.002871	8.453969	1.207215
TXNDC12	1	41.54884	37.88577	20.96279	26.08359	56.83031	21.63849	20.25374	18.83931	13.18597	12.38538	36.66226	17.26058	0.4708
TXNDC15	1	17.37206	22.01655	23.21188	22.06319	32.49625	25.53389	38.23548	35.90161	29.93575	31.18565	23.43198	32.15848	1.372418
TXNDC16	1	5.298848	5.739491	2.551833	2.799341	3.847053	0.342089	0.55561	2.312344	1.393945	1.432986	4.047313	1.207395	0.29832
TXNDC17	1	10.78445	9.999192	6.691143	6.899723	27.10381	75.99968	41.01518	28.58444	15.20502	26.27988	12.29566	37.41684	3.043092
TXNDC2	1	0	0	0	0.007274	0	0	0.012903	0.047079	0	0	0.001455	0.011996	8.246373
TXNDC5	1	11.87694	7.09274	10.28377	11.45165	10.31437	6.38224	6.421052	5.918428	10.12234	13.08721	10.20389	8.386253	0.821868

TXNDC8	1	0	0.143468	0	0.025364	0	0	0.044993	0	0	0.035197	0.033766	0.016038	0.47497
TXNDC9	1	17.85155	16.52576	9.239362	12.49492	18.55673	14.51795	27.05756	22.54836	28.18058	15.44864	14.93366	21.55062	1.44309
TXNIP	1	32.47309	18.37305	31.90825	49.76315	49.36358	73.57761	26.43376	45.57228	41.83293	31.3073	36.37622	43.74477	1.202565
TXNL1	1	42.83057	54.30965	25.197	26.90473	37.20099	28.34528	39.92584	30.74928	33.93079	33.79452	37.28859	33.34914	0.894352
TXNL4A	1	12.77003	13.63069	6.326484	7.576279	25.48257	74.15704	55.24598	33.56492	10.10838	20.78664	13.15721	38.77259	2.94687
TXNL4B	1	7.628905	6.730755	5.862284	8.958807	13.3463	6.423048	9.53149	11.59255	9.85967	8.072896	8.50541	9.095932	1.069429
TXNRD1	1	21.54999	21.69139	20.45009	20.89328	18.64861	7.790322	12.23329	7.004933	9.902113	15.76969	20.64667	10.54007	0.510497
TXNRD2	1	3.297325	4.037008	9.065625	5.483766	5.386088	11.05723	9.455576	7.721973	8.054086	9.59663	5.453962	9.177099	1.682648
TXNRD3	1	4.526866	4.106673	8.709922	6.050125	6.7209	6.617697	5.739817	9.591596	2.050115	6.492783	6.022897	6.098402	1.012536
TYK2	1	3.716299	3.18672	7.396555	7.397438	3.554484	4.173771	3.801363	5.947386	15.51842	6.592033	5.050299	7.206595	1.426964
TYMS	1.56E-05	7.398529	7.607562	3.855621	3.617409	14.15173	0.18235	0.098722	0.330191	0.660479	0.752989	7.32617	0.404946	0.055274
TYR	1	0	0.041324	0	0.043833	0	0	0.038878	0	0	0	0.017031	0.007776	0.456546
TYRO3	1	20.18808	18.34413	29.17314	33.00908	45.82416	18.50978	24.5556	26.16347	27.40506	22.324	29.30772	23.79158	0.811786
TYROBP	1	3.233794	4.670273	7.877381	8.045464	8.437936	11.879	4.162634	6.268167	4.822369	3.514844	6.452969	6.129402	0.949858
TYRP1	1	4.275841	1.050172	1.154839	1.386982	5.789243	0	0.038746	0	8.907805	0	2.731416	1.78931	0.655085
TYSND1	1	1.314805	1.582182	3.020549	2.990773	3.402225	0.658001	0.59542	1.188385	1.039989	2.20356	2.462107	1.137071	0.461828
TYW1	1	3.346522	2.639775	3.650663	3.517249	2.135717	1.355312	1.936816	1.599394	2.642861	1.677297	3.057985	1.842336	0.602467
TYW3	1	2.185857	2.034045	1.604005	2.325161	2.989575	11.25628	11.92794	7.637748	8.678468	9.040454	2.227728	9.708177	4.357881
TYW5	1	7.012702	6.519642	4.78765	4.922044	5.180607	1.781931	2.260041	2.89706	2.234918	1.424587	5.684529	2.119707	0.372891
U2AF1	1	23.78664	22.90527	22.14821	21.18718	42.91536	64.61877	37.0325	51.74844	45.04686	86.47934	26.58853	56.98518	2.143224
U2AF1L4	1	26.79333	27.06306	20.36884	25.53652	53.93686	17.47952	20.59414	39.33993	12.26603	9.284108	30.73972	19.79275	0.643882
U2AF2	1	19.98503	22.56921	39.43332	43.77157	34.14784	42.13221	33.7326	43.65009	32.07013	53.85701	31.98139	41.08841	1.28476
U2SURP	1	17.64296	17.81906	13.06144	11.82823	11.41255	13.43327	17.27155	28.51436	28.15254	15.05433	14.35285	20.48521	1.427258
UACA	1	21.7434	24.16256	33.91566	28.83273	14.12335	20.82487	6.341826	7.656451	9.623952	10.20201	24.55554	10.92982	0.445106
UAP1	1	20.45259	19.47687	12.42521	12.67442	15.36421	14.79698	18.94554	19.16633	26.3531	27.77787	16.07866	21.40796	1.331452
UAP1L1	1	1.895441	1.08534	2.419607	2.806191	1.55757	2.270299	0.950201	1.069425	3.415759	3.694488	1.95283	2.280035	1.167554
UBA1	1	48.35696	48.26957	71.61284	73.18533	72.17046	109.3014	95.61225	106.3925	99.50285	120.5583	62.71903	106.2735	1.694437
UBA2	1	22.62584	26.94227	14.93365	15.51581	10.02593	24.28123	35.34398	35.56624	26.3917	19.91278	18.0087	28.29919	1.571417
UBA3	1	22.21004	24.12447	14.36659	15.07088	24.21922	34.38641	46.37484	31.79139	28.52836	21.40483	19.99824	32.49717	1.625001
UBA5	1	18.28944	13.98191	14.85529	17.63408	17.13992	21.8317	26.65308	26.52782	28.14841	28.54647	16.38013	26.3415	1.608137
UBA52	1	195.4642	189.9147	198.9115	249.1866	858.447	1761.107	409.0423	655.7731	440.5128	540.1967	338.3848	761.3264	2.249883
UBA6	1	7.565005	10.30081	6.392214	6.789598	3.908273	4.984226	12.48012	20.50188	20.89514	6.751159	6.991181	13.12251	1.877008
UBA7	1	2.322494	1.922056	1.613307	3.355511	5.228016	2.597881	1.670176	1.970238	1.863597	2.004059	2.888277	2.02119	0.699791
UBAC1	1	38.61391	32.15069	47.71878	58.72247	46.1589	46.98664	22.56261	22.41092	14.59528	39.65913	44.67295	29.24292	0.6546
UBAC2	1	10.69694	10.80755	8.702675	8.059974	16.57475	26.06729	32.74226	23.15057	14.47913	21.35183	10.96838	23.55821	2.147831
UBALD1	1	5.071805	7.60041	10.53336	14.94867	17.81342	16.2726	8.897905	6.678902	6.00117	22.65122	11.19353	12.10036	1.081013
UBALD2	1	4.319484	5.613063	10.70001	14.26118	11.91434	7.184143	4.878535	3.48667	5.444891	11.94114	9.361616	6.587076	0.703626
UBAP1	1	14.2811	13.52949	14.31074	17.0311	21.40363	25.97691	24.33671	24.4251	27.79643	28.99084	16.11121	26.3052	1.632726
UBAP1L	1	0.4594	0.729841	2.210685	2.499722	2.070723	0.570486	0.761106	1.348281	4.548595	0.116493	1.594074	1.468992	0.921533
UBAP2	1	9.218873	7.620902	9.758746	12.40879	5.100652	3.731136	4.601702	5.537641	7.430586	4.265351	8.821593	5.113283	0.579633
UBAP2L	1	15.32272	13.41361	14.5218	13.86892	7.836661	25.05038	23.55837	25.25311	18.43984	20.73119	12.99274	22.60658	1.739939
UBASH3A	1	0	0	0	0	0.059696	0	0.011686	0.028426	0	0	0.011939	0.008023	0.671953
UBASH3B	1	5.843578	6.602425	1.772172	0.789989	5.571151	1.260468	4.679339	17.244	2.564371	0.53384	4.115863	5.256404	1.277109
UBB	1	640.996	558.6738	430.2452	641.5131	1141.058	1539.593	1294.059	1086.125	584.4941	1349.041	682.4972	1170.662	1.715263
UBC	1	313.5067	257.2903	361.3332	483.7646	273.6329	119.22	66.04435	68.42142	269.0074	840.88	337.9055	272.7146	0.807074
UBD	1	0.719641	0.138753	0.421667	0.063077	0.762095	0	0	0	0.181477	0	0.421047	0.036295	0.086203

UBE2A	1	15.60227	12.747	8.537147	10.45887	23.80331	23.32402	22.13143	15.32875	16.01274	12.61395	14.22972	17.88218	1.256678
UBE2B	1	31.9052	49.97101	21.5429	26.9703	89.68049	87.64123	95.09337	90.23481	77.35537	61.74537	44.01398	82.41403	1.872451
UBE2C	1	0.036362	0.246382	0.158826	0.065336	0.740055	0.095147	0.231801	0.093975	0.187977	0	0.249392	0.12178	0.488308
UBE2D1	1	3.893533	3.907772	2.861362	2.790829	2.007066	2.709445	9.946235	8.383236	11.57983	5.181393	3.092112	7.560029	2.44494
UBE2D2	1	38.15947	40.47507	28.52926	33.15966	78.63639	85.02084	83.06094	49.59896	55.43234	50.55308	43.79197	64.73323	1.478199
UBE2D3	1	46.6746	54.45032	32.67539	31.91733	44.86075	55.17971	84.12907	65.58336	70.12081	46.0186	42.11568	64.20631	1.524523
UBE2D4	1	11.69014	11.05298	8.490339	10.13371	23.17948	5.325046	0.184223	0.153303	2.500383	0.333742	12.90933	1.69934	0.131637
UBE2E1	1	22.0778	25.93221	21.76911	24.97161	51.97469	75.66181	53.40205	26.65618	28.31802	49.70904	29.34508	46.74942	1.593092
UBE2E2	1	17.29818	16.21471	13.89365	15.31712	23.62554	25.66591	21.43529	15.55709	19.78494	24.43678	17.26984	21.376	1.237765
UBE2E3	1	50.16499	43.29369	28.49511	33.41213	80.00797	168.7846	85.08529	80.33619	77.33049	58.88542	47.07478	94.0844	1.998616
UBE2F	1	16.71846	19.52076	18.80519	18.37476	30.99184	34.33619	17.94099	21.52068	20.72416	28.02737	20.8822	24.50988	1.173721
UBE2G1	1	9.837604	10.47124	10.90945	13.28868	19.27697	13.72567	17.16269	25.87981	21.03265	13.94235	12.75679	18.34864	1.438343
UBE2G2	0.099439	14.23566	16.50339	15.63481	17.63371	17.82107	2.795896	3.78999	5.034369	5.991134	4.918701	16.36573	4.506018	0.275333
UBE2H	1	29.26217	28.14205	23.12782	25.83248	29.0985	30.12922	25.44971	29.15183	34.34279	22.71505	27.0926	28.35772	1.046696
UBE2I	1	5.438537	5.298121	3.295694	4.223874	8.879367	10.47764	7.619747	7.761465	3.784747	9.239358	5.427119	7.776591	1.432913
UBE2J1	1	9.429244	7.668673	10.08469	6.120188	2.632497	8.935137	15.55659	12.50224	15.11186	22.21099	7.187057	14.86336	2.068073
UBE2J2	1	7.808056	9.535242	9.01994	11.66591	15.98256	13.55676	12.67099	19.01103	12.88642	19.43892	10.80234	15.51282	1.436061
UBE2K	1	41.85976	49.873	21.3079	20.08987	37.93078	29.31352	47.18218	29.04718	45.28991	25.35948	34.21226	35.23845	1.029995
UBE2L3	1	25.95275	23.20349	32.13701	46.52448	40.76719	38.52793	24.30296	21.41388	24.20237	27.54714	33.71698	27.19885	0.806681
UBE2L6	1	6.569668	1.952412	3.656528	4.861379	7.210184	8.761975	2.706967	5.07957	4.60991	2.510918	4.850034	4.733868	0.976048
UBE2M	1	29.88526	32.95902	29.31271	33.31249	73.63086	187.6666	61.24763	41.02032	48.046	76.66578	39.82007	82.92926	2.0826
UBE2N	1	60.51141	65.69681	31.55707	29.56258	98.21358	108.9036	114.9414	94.99666	92.44383	72.54331	57.10829	96.76575	1.694426
UBE2O	1	12.38172	16.26782	19.5575	22.62507	7.624371	5.261836	10.22337	10.09457	7.853373	14.75613	15.6913	9.637855	0.614217
UBE2Q1	1	31.22763	26.3207	22.43694	27.15191	50.6727	41.32607	30.2271	27.27851	21.8198	25.93546	31.56197	29.31739	0.928883
UBE2Q2	1	40.85827	29.58733	27.25027	22.9256	26.50254	29.47305	28.36012	25.63857	47.4303	22.78001	29.4248	30.73641	1.044575
UBE2QL1	1	31.51569	35.68634	30.69328	42.79691	60.30454	40.18197	31.96627	17.33036	15.34386	29.5895	40.19935	26.88239	0.668727
UBE2R2	1	37.10283	32.28746	31.6299	38.9266	30.32042	22.07751	23.74251	26.94915	23.47415	24.03859	34.05344	24.05638	0.70643
UBE2S	1	6.454764	7.667891	11.33178	15.09251	22.87199	26.69911	16.51201	10.07334	6.288734	29.48679	12.68379	17.812	1.404312
UBE2T	1	10.62628	9.16508	6.290645	8.019834	27.30464	26.07393	14.68134	8.198666	15.79605	26.39958	12.2813	18.22991	1.484364
UBE2U	1	0.811584	0.458263	0.318135	0.49856	0.847066	0	0.04422	0	0.107579	0.518893	0.586722	0.134139	0.228624
UBE2V1	1	50.44758	51.3156	34.41132	41.97943	65.78287	87.86074	58.80431	39.15346	51.07309	48.39565	48.78736	57.05745	1.169513
UBE2V2	1	32.24225	35.92171	17.65875	21.30482	37.29236	22.33402	28.26349	14.19413	24.55278	16.07054	28.88398	21.08299	0.72992
UBE2W	1	5.725475	8.112286	5.826354	5.024291	7.245924	7.432082	14.05933	11.1452	11.61713	5.298931	6.386866	9.910535	1.551706
UBE2Z	1	25.34465	22.26531	22.32878	24.88505	23.9885	44.13717	39.56856	28.04495	27.03138	29.15443	23.76246	33.5873	1.413461
UBE3A	1	23.26298	23.80869	6.945916	6.932278	14.04922	15.90635	30.41903	27.55691	14.57711	8.072094	14.99982	19.3063	1.287102
UBE3B	1	8.518471	8.298161	10.51053	10.10379	6.361541	9.389871	12.73506	10.28835	6.362886	5.23494	8.758498	8.802222	1.004992
UBE3C	1	7.289531	7.657073	7.960026	8.844446	4.794702	6.63191	11.51165	8.4797	10.62838	9.880581	7.309156	9.426445	1.289676
UBE3D	1	2.212042	2.146402	1.336737	1.106224	2.972238	1.854462	0.456357	1.359844	0.222048	0.642609	1.954728	0.907064	0.464036
UBE4A	1	19.78287	18.79194	22.55812	23.08595	3.495963	7.405964	17.00584	20.49817	17.27209	12.01105	17.54297	14.83862	0.845844
UBE4B	1	14.55863	16.33727	17.42457	21.31845	10.45097	8.135715	12.71205	15.88088	14.09197	12.07517	16.01798	12.57916	0.785315
UBFD1	1	9.672153	9.557467	11.91194	11.04721	16.16019	10.62723	12.0141	15.60298	9.709036	8.572516	11.66979	11.30517	0.968755
UBIAD1	1	1.914892	2.373328	2.970537	3.903997	3.22784	0.586202	1.156109	1.075255	1.847502	2.119171	2.878119	1.356848	0.471436
UBL3	1	46.89126	50.88369	48.3005	51.29297	32.08248	66.13319	85.63241	69.94357	78.87518	42.89769	45.89018	68.69641	1.496974
UBL4A	1	8.513758	7.910131	11.60627	11.58437	33.84595	9.790811	4.628455	3.340207	1.822196	5.543895	14.6921	5.025113	0.342028
UBL4B	1	0.069817	0.131409	0	0.027878	0	0.243585	0	0.030073	0	0.077373	0.045821	0.070206	1.532192
UBL5	1	95.89335	69.63003	62.73562	76.47588	516.1105	178.1443	60.83263	37.4148	13.99045	37.61587	164.1691	65.59961	0.399586

UBL7	1	9.801662	12.82672	9.094614	11.23004	23.12359	10.95099	13.40605	7.116592	9.902786	11.12778	13.21533	10.50084	0.794595
UBLCP1	1	9.748455	9.463349	4.756505	4.824722	8.77418	7.377343	11.18957	8.597299	8.694947	4.054396	7.513442	7.982712	1.062457
UBN1	1	9.122772	7.8486	9.703986	10.76591	5.152913	7.778543	11.0946	11.7683	6.82107	10.89876	8.518836	9.672254	1.135396
UBN2	1	2.84949	4.269701	6.155294	4.47982	2.702035	3.369358	4.797786	8.282377	6.874771	4.943473	4.091268	5.653553	1.381858
UBOX5	1	3.852691	3.930968	4.319367	4.946797	9.080982	16.64329	9.481193	20.7524	22.24817	8.968871	5.226161	15.61878	2.988577
UBP1	1	16.32987	18.4199	10.25626	8.712245	25.57049	10.45304	15.74629	16.41252	10.582	9.225989	15.85775	12.48397	0.787247
UBQLN1	1	41.47504	41.89944	31.738	33.20978	18.92508	39.73071	51.38935	40.68982	55.51558	37.21568	33.44947	44.90823	1.342569
UBQLN2	1	31.09555	32.33237	34.43487	35.32654	39.65348	27.49484	37.2585	32.66214	34.95014	26.54619	34.56856	31.78236	0.919401
UBQLN3	1	0	0.175429	0	0	0	0.081296	0	0	0	0	0.035086	0.016259	0.463411
UBQLN4	1	8.966522	9.458619	11.41847	12.03355	3.520847	26.62206	13.56668	14.44192	7.172201	9.118316	9.079601	14.18424	1.562209
UBQLNL	1	0	0.073294	0	0	0	0	0	0	0	0	0.014659	0	0
UBR1	1	5.435828	7.540633	8.345746	6.455217	0.706077	4.61	7.607314	11.41549	13.14309	9.677133	5.6967	9.290607	1.630875
UBR2	1	5.989123	7.286262	10.19546	9.28575	4.396171	7.878579	10.0541	12.19797	15.02157	8.828982	7.430554	10.79624	1.452952
UBR3	1	19.56083	26.09663	19.05872	20.56001	7.542066	9.897281	27.06518	17.71942	22.11086	13.05331	18.56365	17.96921	0.967978
UBR4	1	8.86509	8.465063	18.65632	15.53041	4.774258	11.42481	8.182171	13.95738	10.57843	11.15355	11.25823	11.05927	0.982328
UBR5	1	10.9398	13.37286	15.84648	12.47186	5.445034	12.10196	17.72028	28.73762	26.68651	23.25391	11.61521	21.70006	1.868245
UBR7	1	12.77511	11.84006	10.25418	11.91044	12.21223	12.58339	15.42021	11.22479	12.34627	12.81032	11.7984	12.877	1.091418
UBTD1	1	1.733953	1.73787	3.999898	4.894148	2.793819	2.211872	1.588968	0.44813	1.792782	6.683585	3.031938	2.545067	0.839419
UBTD2	1	9.260986	9.446374	7.220332	4.389756	2.269921	15.73835	16.12419	14.97836	14.62018	10.29634	6.517474	14.35148	2.202001
UBTF	1	23.31134	18.41158	20.27852	19.27353	14.95339	15.85441	17.45031	28.06347	27.89809	40.93657	19.24567	26.04057	1.353061
UBXN1	1	26.62087	23.37324	23.92641	28.3847	38.77955	62.3859	23.93262	37.08403	29.41445	59.57104	28.21695	42.47761	1.505393
UBXN10	1	0.316661	0.130039	0.402371	0.593128	0.218734	0.210915	0.464905	0.476156	0.684573	0.669959	0.332187	0.501302	1.509095
UBXN11	1	2.543884	1.753413	0.957887	2.028033	3.54685	0.459068	0.186401	0.181366	1.315096	1.079069	2.166013	0.6442	0.297413
UBXN2A	1	3.54378	4.545173	7.831914	4.945671	2.589501	2.376113	1.365439	2.505963	6.603974	2.673632	4.691208	3.105024	0.661882
UBXN2B	1	19.005	17.08391	11.16783	15.40998	15.13344	7.174055	5.421132	2.538887	1.100666	0.689226	15.56003	3.384793	0.217531
UBXN4	1	42.2891	42.7282	27.06392	31.56626	32.88448	39.709	55.30401	50.37517	53.30451	47.64872	35.30639	49.26828	1.395449
UBXN6	1	12.69653	12.05151	17.91992	19.83045	20.52147	30.78673	14.13211	13.49246	16.47113	49.26297	16.60398	24.82908	1.495369
UBXN7	1	5.807501	7.954603	9.606678	8.180065	5.510881	4.969086	6.534737	12.96086	13.26327	9.689438	7.411946	9.483478	1.279486
UBXN8	1	11.57102	10.53006	7.824923	9.393014	9.563434	11.21957	37.19378	23.56698	7.894759	4.369348	9.776489	16.84889	1.723409
UCHL1	1	389.0942	356.9197	328.9755	393.226	567.3114	745.0569	660.4549	539.6578	291.3508	506.1345	407.1054	548.531	1.347393
UCHL3	1	25.19424	25.18503	13.70566	13.20147	45.64848	28.59681	25.53228	22.62739	20.65247	11.0428	24.58698	21.69035	0.882189
UCHL5	1	31.63495	33.32565	16.54531	16.68716	36.02385	29.57261	55.71345	31.0273	31.49551	23.32905	26.84339	34.22758	1.275084
UCK1	1	11.50221	9.333848	5.731044	5.839484	22.55876	16.99088	5.372679	10.0987	5.545191	18.78618	10.99307	11.35873	1.033263
UCK2	1	16.52433	17.51728	18.82034	17.3467	10.70412	9.949532	11.10036	7.89835	5.052005	10.13102	16.18256	8.826253	0.545418
UCKL1	1	4.662928	5.411741	11.84802	9.361065	11.40932	5.137396	6.02469	24.13553	10.8175	25.51931	8.538614	14.32688	1.677893
UCMA	1	0.231863	0	1.164672	0.222198	0.12584	0	0	0.119847	1.318511	0.539606	0.348914	0.395593	1.133782
UCN	1	0.070499	0.063692	0.4619	0.40536	0.803504	1.254407	0.449419	1.530481	1.749376	1.10161	0.360991	1.217059	3.371437
UCN2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
UCN3	1	0	0.017077	0	0	0	0	0	0	0	0	0.003415	0	0
UCP1	1	0.118026	0.066644	0	0.441821	0.160142	0	0	0	0	0.220723	0.157326	0.044145	0.280593
UCP2	1	7.724966	3.895052	17.0258	14.94174	15.61008	15.57748	0.978886	1.526356	15.5711	10.34779	11.83953	8.800322	0.7433
UCP3	0.927114	0	0	0	0	0	0.255511	0.017291	0.042061	0.378602	0.284065	0	0.195506	#DIV/0!
UEVLD	1	4.044194	4.301699	4.636175	3.552943	1.538876	3.709661	4.162082	7.000134	8.158367	3.181547	3.614777	5.242358	1.450258
UFC1	1	26.23741	27.18715	15.6534	20.32418	57.18699	58.32501	30.5668	25.24807	30.25055	36.17487	29.31783	36.11306	1.231778
UFD1	1	11.07636	9.40641	11.74113	14.41224	28.74587	9.162301	8.618015	9.064714	9.416485	13.07206	15.0764	9.866716	0.654448
UFL1	1	7.324582	7.680232	4.075405	5.051597	3.495233	5.989365	10.60158	11.04916	10.89033	5.771944	5.52541	8.860475	1.603587

UFM1	1	11.68588	9.461953	6.672739	8.216068	12.67183	8.612947	9.153001	4.395905	7.286865	4.450663	9.741695	6.779876	0.695965
UFSP1	1	1.095694	1.527383	2.280783	2.337935	6.736504	2.598276	0.291037	2.522035	0	4.382765	2.79566	1.958823	0.700666
UFSP2	1	11.57206	16.22837	12.24804	9.04729	8.397664	13.775	16.14981	15.90359	16.24302	18.05404	11.49869	16.02509	1.393646
UGCG	1	10.84921	11.26792	9.46115	7.443692	2.639082	5.419969	18.41101	18.01818	10.70802	5.941685	8.332211	11.69977	1.404162
UGDH	1	9.756533	8.248457	5.460227	5.604766	4.45844	16.16821	11.82706	9.123012	16.61768	5.076357	6.705685	11.76246	1.754103
UGGT1	1	7.116545	9.970697	9.26302	8.012016	4.920536	3.261939	7.75514	6.373035	7.486015	4.221288	7.856563	5.819483	0.740716
UGGT2	1	1.798962	1.915374	0.643187	0.820332	1.280628	2.636819	5.979101	3.69561	7.337265	4.187845	1.291696	4.767328	3.690749
UGP2	1	62.44252	60.32492	38.4506	45.36934	42.99388	77.19007	59.81615	41.2049	53.21392	21.25667	49.91625	50.53634	1.012423
UGT1A1	1	0	0	0.072181	0.059386	0	0.389168	0.403825	0.213542	0.683434	0.02747	0.026313	0.343488	13.05372
UGT1A6	1	0	0	0.051593	0	0	0	0.050199	0.030527	0	0	0.010319	0.016145	1.564667
UGT2A1	1	0.017105	0	0	0	0	0	0	0	0	0	0.003421	0	0
UGT2B10	1	0	0	0.022365	0	0	0	0	0	0	0	0.004473	0	0
UGT3A2	1	0.005591	0.012628	0	0	0	0.029261	0.035643	0	0.028905	0	0.003644	0.018762	5.148762
UGT8	1	16.55635	31.03156	83.25794	103.1445	16.52656	65.98555	60.35665	21.85393	35.96114	4.054065	50.10338	37.64227	0.751292
UHMK1	1	4.665875	13.28899	20.8288	14.11367	0.597248	9.82865	20.39071	10.01099	15.54963	7.317208	10.69891	12.61944	1.179506
UHRF1	1	0.228812	0.30491	1.958888	4.813062	0.471899	0.287387	0.282004	0.224714	0.37852	0.022822	1.555514	0.239089	0.153704
UHRF1BP1	1	4.854657	5.404586	7.546673	6.558156	4.626221	8.477916	6.486855	9.779762	5.56185	6.889505	5.798058	7.439178	1.283046
UHRF1BP1L	1	10.4034	13.45751	9.044766	7.14637	4.558901	12.69936	23.29137	15.52757	19.94302	15.79622	8.922191	17.45151	1.955967
UHRF2	7.75E-05	7.081145	6.095857	6.524096	4.760882	4.624222	28.57514	21.49425	62.95857	40.28646	27.90376	5.81724	36.24363	6.230383
UIMC1	1	3.140874	3.161779	3.823353	2.798695	5.012678	17.27929	12.04912	52.46375	7.752589	7.906664	3.587476	19.49028	5.432868
ULBP17	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ULBP21	1	0.160292	0.120679	0.262554	0.176012	0	0	0	0	0	0	0.143907	0	0
ULK1	1	10.82811	10.00673	28.86333	18.71291	15.71964	4.679436	3.896958	4.304631	6.072679	19.46301	16.82614	7.683343	0.456631
ULK2	1	19.131	19.15804	19.28622	20.3216	18.53942	27.10866	22.22434	14.3387	9.854455	17.09743	19.28725	18.12471	0.939725
ULK3	1	5.282773	4.901092	12.53667	8.678438	19.94206	5.115687	8.647562	13.72469	10.1427	17.114	10.26821	10.94893	1.066294
ULK4	1	2.246692	1.643886	1.522765	1.606964	1.062235	3.030109	1.975493	3.740997	1.433379	2.148669	1.616509	2.465729	1.525343
UMAD1	1	10.57207	8.39321	1.7873	1.820607	10.71877	14.55287	22.30542	19.61812	5.741671	10.48073	6.658392	14.53976	2.183675
UMOD	1	0.024254	0	0.670958	0.048423	0	0	0.103078	0.020895	0	0.403187	0.148727	0.105432	0.708895
UMODL1	1	0	0.017289	0.033435	0.013754	0	0.06009	0.341584	0	0	0	0.012896	0.080335	6.229562
UMPS	1	2.972956	1.910231	2.059791	1.608719	3.477425	12.28581	3.833997	4.875007	12.13629	5.794121	2.405824	7.785047	3.235917
UNC119	1	4.056861	4.507325	7.179227	6.417648	14.63548	8.617241	3.600379	7.123447	9.65352	11.81167	7.359308	8.161251	1.10897
UNC119B	1	15.45556	14.21027	18.55403	16.52905	3.027929	4.740878	7.465223	10.42142	10.28016	10.50464	13.55537	8.682464	0.640519
UNC13A	1	54.5046	44.36013	40.29484	33.22775	24.19883	33.79943	53.58038	29.85327	21.26423	21.11477	39.31723	31.92241	0.811919
UNC13B	1	6.580294	10.08853	8.042064	8.740793	11.4983	7.854564	16.8964	4.683593	6.355756	7.494812	8.989996	8.657026	0.962962
UNC13C	1	20.30984	24.95783	24.29704	9.632468	10.99329	101.307	16.97138	34.44895	26.18951	21.44458	18.03809	40.07229	2.221537
UNC13D	1	0.312246	0.472833	1.976055	2.818032	2.387938	1.188425	0.414692	0.220086	4.842595	0.454175	1.593421	1.423995	0.893671
UNC45A	1	10.80473	10.70167	15.65638	18.29294	13.99987	18.72837	23.78688	39.64439	18.53005	21.22585	13.89112	24.38311	1.755302
UNC45B	1	0.032484	0	0.023648	0.012971	0.029383	0	0	0	0.503784	0.233993	0.019697	0.147555	7.491275
UNC50	1	6.460051	7.1029	6.003616	6.678122	13.72597	8.718036	11.02856	10.13105	7.389781	8.508754	7.994132	9.155236	1.145245
UNC5A	1	14.41774	14.48835	10.56131	17.78056	24.01378	6.877334	12.89766	5.36326	3.665631	6.805084	16.25235	7.121795	0.438201
UNC5B	1	2.758433	6.369297	21.89191	32.0105	6.022545	3.866728	2.971471	3.472565	3.890405	3.552803	13.81054	3.550795	0.257108
UNC5C	1	3.843368	3.06175	6.967961	4.242802	2.336662	3.745761	4.258619	18.55985	11.50418	7.9213	4.090509	9.197942	2.248606
UNC5CL	1	0.027018	0.022884	0.036879	0.03641	0.027494	0	0	0	0.034918	0.005614	0.030137	0.008106	0.268988
UNC5D	1	2.756104	4.564977	3.167258	2.287482	0.089038	0.995915	5.800805	0.881895	0.644555	2.530769	2.572972	2.170788	0.843689
UNC79	1	4.450542	4.412185	5.578684	4.138185	2.609006	3.206335	8.315507	9.756344	7.57719	6.403317	4.23772	7.051739	1.664041
UNC80	1	10.76093	12.56315	19.08916	12.71584	7.818893	12.97559	16.2488	30.77555	22.8394	15.25223	12.58959	19.61831	1.558296

UNC93A	1	0.013502	0.030495	0.029487	0.048521	0.036639	0.247306	0	0.017447	0	0.033667	0.031729	0.059684	1.881065
UNC93B1	1	1.195	0.920957	3.015416	3.259526	1.314664	11.49352	6.39976	6.698511	7.680407	18.3616	1.941112	10.12676	5.216988
UNCX	1	0	0.007994	1.824339	0.1272	0	0	0	3.201723	1.866418	4.271727	0.391907	1.867974	4.766373
UNG	1	7.306959	6.724918	3.872545	5.743854	8.901857	3.054537	2.998627	6.969478	5.156254	5.072343	6.510027	4.650248	0.714321
UNK	1	2.396285	1.775903	3.7615	3.552237	1.192167	5.486487	3.797771	10.30887	8.852204	9.427438	2.535618	7.574553	2.987261
UNKL	1	3.228313	3.561556	4.005601	3.554587	3.459721	3.355553	4.032034	4.682319	3.276173	5.478078	3.561956	4.164832	1.169254
UOX	0.016082	0	0.022672	0.043845	0.024049	0	0.367721	0.93852	0.648558	0.882168	0.45053	0.018113	0.657499	36.29986
UPB1	1	0.008374	0	0.012193	0.006688	0	0.482083	0.059317	0.0505	0.245323	0.060324	0.005451	0.17951	32.9316
UPF1	1	9.558217	9.871672	20.72672	22.91164	13.20807	13.92436	17.18489	33.99683	20.81634	24.0926	15.25527	22.00301	1.442322
UPF2	1	28.23779	29.96172	16.77707	17.49614	13.56275	14.40357	17.7515	21.08859	23.60854	16.84941	21.20709	18.74032	0.883682
UPF3A	1	14.34491	14.25801	8.216891	11.06295	19.34943	7.003899	3.663138	3.848232	9.62198	5.628161	13.44644	5.953082	0.442726
UPF3B	1	24.9941	26.35223	14.89554	14.35273	17.72284	9.754751	13.69789	19.98092	19.60057	20.35174	19.66349	16.67717	0.848129
UPK1A	1	0.016598	0.093722	0.10875	0.129239	0.045042	0.347456	0.088176	0.214486	1.544522	0.841549	0.07867	0.607238	7.718775
UPK1B	1	0.616171	0.408229	0.07177	0.196829	0.222945	0	0	0	1.019321	2.389989	0.303189	0.681862	2.24897
UPK2	1	0	0.039132	0.075677	0	0.282095	0.18134	0.294527	0.044777	0	0.057602	0.079381	0.115649	1.456895
UPK3A	1	0	0.015358	0	0	0	0	0	0	0	0.090427	0.003072	0.018085	5.887984
UPK3B	1	0.43592	0.233836	0.817161	0.67449	0.315452	0.095055	0.084912	0.103273	1.277011	1.654604	0.495372	0.642971	1.297956
UPK3BL1	1	0	0	0	0.109	0	0	0.502722	0.047033	0	0	0.0218	0.109951	5.04365
UPP1	1	0.993832	0.733838	1.808742	1.022614	1.14101	0.466761	0.649798	0.197577	0.329343	0.360069	1.140007	0.40071	0.351497
UPP2	1	0.007316	0.21482	0.031957	0.035056	0.039708	0	0	0	0.491692	0.06081	0.065772	0.110501	1.680067
UPRT	1	13.54729	12.71205	7.532534	10.07197	15.0637	3.996116	5.597024	3.569957	6.963539	8.942438	11.78551	5.813815	0.493302
UQCC1	1	16.38433	13.4116	11.94485	13.95612	14.64885	48.11879	46.63966	38.72624	19.4426	21.87181	14.06915	34.95982	2.484856
UQCC3	1	5.426636	3.756934	7.986922	9.185537	8.323452	3.58079	2.657219	2.561056	1.219728	5.177201	6.935896	3.039199	0.438184
UQCR10	1	35.03745	42.53274	36.75332	41.89051	124.2161	135.8045	81.81942	58.01958	61.42096	112.7952	56.08602	89.97192	1.604177
UQCR11	1	83.67459	62.50244	35.05897	54.35849	251.1243	110.9155	36.11824	19.93046	29.28983	38.45827	97.34376	46.94246	0.482234
UQCRB	1	75.94679	80.45029	51.35517	39.26276	158.4806	167.3563	112.4543	90.56016	68.09625	101.7005	81.09913	108.0335	1.332117
UQCRC1	1	47.0604	46.16154	66.83559	71.59908	95.6253	104.6641	97.14519	88.45181	88.14085	130.2194	65.45638	101.7243	1.554077
UQCRC2	1	38.02692	28.68188	30.19744	35.61988	85.83602	39.49718	57.8981	43.54906	33.84636	47.38108	43.67243	44.43436	1.017446
UQCRFS1	1	61.03786	60.83538	55.94183	65.11065	126.6874	102.134	152.497	88.35319	72.81777	78.24465	73.92261	98.80934	1.336659
UQCRH	1	112.9258	151.2656	63.88908	62.01774	365.292	397.6972	205.4006	162.5907	112.1083	207.0369	151.078	216.9667	1.436124
UQCRQ	1	21.90112	22.21613	21.22225	26.76918	66.85142	99.99719	64.15658	24.26906	105.6933	96.87119	31.79202	78.19746	2.459657
URAD	1	0	0	0.089264	0	0	0	0.086852	0	0	0	0.017853	0.01737	0.97298
URB1	1	0.957716	0.857784	1.819759	2.041908	0.903075	3.589525	2.850216	2.494858	1.090018	1.727177	1.316048	2.350359	1.785921
URB2	1	0.641103	0.775716	0.912594	1.059392	0.559203	0.284585	0.675074	1.146511	0.680609	1.146608	0.789601	0.786677	0.996297
URGCP	1	6.969509	6.925259	8.76933	7.115905	6.873492	2.958083	5.631598	5.981131	4.769061	10.06985	7.330699	5.881945	0.802372
URI1	1	9.636726	9.014334	6.626943	5.813493	6.117873	9.534518	12.49319	11.42457	12.51989	7.306383	7.441874	10.65571	1.431859
URM1	1	7.6196	7.17541	8.865165	8.8287	15.92237	10.57265	4.915679	4.52829	2.804403	6.654481	9.68225	5.895101	0.608857
UROC1	0.003336	1.182893	1.282591	2.591974	2.645657	4.116456	0	0.091859	0.060939	0.162528	0.261311	2.363914	0.115327	0.048787
UROD	1	11.70182	10.56161	9.129633	10.58168	24.67524	28.02483	22.5964	25.82654	17.58826	32.91931	13.33	25.39107	1.904807
UROS	1	2.178978	1.423214	1.68572	2.524269	3.178949	3.288728	3.831905	3.680741	5.279145	4.18993	2.198226	4.05409	1.844255
USB1	1	1.955366	2.115647	2.493223	2.742058	8.16586	7.506295	3.669883	2.420854	2.905447	1.45006	3.494431	3.590508	1.027494
USE1	1	16.94236	17.45107	10.82597	17.9534	61.25921	43.23632	14.14351	24.41942	22.61832	49.75097	24.8864	30.83371	1.238978
USF1	1	18.07505	17.79088	16.51157	17.73825	43.10612	44.51644	25.93043	29.60054	10.57047	18.79737	22.64437	25.88305	1.143023
USF2	1	36.69915	37.74526	48.45695	49.52066	59.11363	84.62925	51.76494	45.74435	71.9146	114.6068	46.30713	73.73198	1.592238
USF3	1	3.015541	3.810625	5.53221	4.224386	2.098347	3.179021	3.222706	4.762495	5.009076	3.063274	3.736222	3.847314	1.029734
USH1C	1	1.779494	3.123017	1.641193	1.001009	6.917163	0.818005	0.58764	0.652561	1.553943	2.218585	2.892375	1.166147	0.40318

USH1G	1	0.135602	0.042538	0.123396	1.218276	0.163546	0.118275	0.31216	2.47266	2.02515	6.637243	0.336672	2.313098	6.870486
USH2A	1	0.155299	0.064478	0.119706	0.072498	0.018592	0.035856	0.128604	0.023609	0.059032	0.011389	0.086115	0.051698	0.600341
USHBP1	1	0.897309	0.793387	1.306458	1.166537	0.660659	7.790115	4.242118	2.085341	1.941807	2.694178	0.96487	3.750712	3.887272
USO1	1	20.39793	20.29107	18.89897	18.73408	16.68748	13.41919	26.67434	27.11687	35.01463	18.67829	19.0019	24.18066	1.272539
USP1	1	6.802852	7.077641	8.719848	7.140873	3.907327	13.97852	15.74166	32.88008	34.16142	27.3118	6.729708	24.8147	3.687336
USP10	1	15.3061	14.81503	11.7937	14.38421	10.51146	11.80511	17.86619	20.9051	24.17688	19.98957	13.3621	18.94857	1.418083
USP11	1	29.15696	23.55696	34.68612	30.83746	27.1968	60.86636	41.24124	40.10879	30.68815	49.01226	29.08686	44.38336	1.52589
USP12	1	18.93975	21.57303	17.29191	16.50537	18.7245	24.20086	19.89034	22.27161	16.3815	14.54653	18.60691	19.45817	1.04575
USP13	1	3.353729	3.165657	0.976588	0.878359	1.474414	2.415644	5.645009	3.895724	2.324104	1.782407	1.969749	3.212577	1.630958
USP14	1	33.46889	38.39836	19.96866	23.89434	12.28025	19.80279	58.15603	32.63151	33.85387	26.05953	25.6021	34.10075	1.331951
USP15	1	9.008397	9.778563	5.428124	5.286341	4.311891	3.975991	10.55368	7.214519	5.655749	4.622392	6.762663	6.404467	0.947033
USP16	1	18.92178	17.79135	10.97502	12.07701	10.19586	17.17761	19.93758	24.6804	25.81702	17.27992	13.9922	20.97851	1.4993
USP18	1	0.877611	0.132146	0.298148	0.303705	0.15877	0	0.414418	0.403224	1.915594	2.56115	0.354076	1.058877	2.990537
USP19	1	10.41492	8.60557	21.59939	19.92599	8.546582	10.96914	12.66177	20.83546	13.3808	17.98104	13.81849	15.16564	1.097489
USP2	1	4.69522	5.209621	4.802093	5.894837	9.914529	6.015349	10.01527	3.547526	1.923238	1.851027	6.10326	4.670482	0.765244
USP20	1	7.525486	7.321925	14.40843	14.68893	8.624869	6.827361	7.004905	8.349914	8.170074	9.184092	10.51393	7.907269	0.752076
USP21	1	4.686554	3.734538	5.874671	7.017493	9.16206	6.276694	6.526184	7.471537	4.264951	8.689534	6.095063	6.64578	1.090355
USP22	1	72.43143	66.35962	69.29963	80.00991	63.21506	28.55863	19.69771	33.64587	26.79816	41.07149	70.26313	29.95437	0.426317
USP24	1	6.884435	7.602751	10.18847	8.513943	6.228965	16.21746	13.09096	11.56737	10.29275	9.705529	7.883713	12.17481	1.544299
USP25	1	6.677416	6.962283	4.033253	4.66495	3.499127	5.606796	6.907015	3.515893	6.334898	4.514268	5.167406	5.375774	1.040324
USP26	1	0	0	0.016697	0	0	0	0	0	0	0	0.003339	0	0
USP27X	1	5.24073	5.773859	3.186306	3.441696	4.948914	6.731035	5.506955	7.210432	5.623632	10.96692	4.518301	7.207795	1.595244
USP28	1	17.25418	15.5216	13.08124	11.78579	12.31931	12.3228	15.77456	41.58621	15.05423	12.89088	13.99242	19.52573	1.39545
USP29	1	0.055428	0.114758	0.040351	0.088529	0	0	0	0	0	0	0.059813	0	0
USP3	1	4.401569	3.321047	2.36007	2.033831	1.657497	2.35825	1.819795	8.7649	10.99636	11.80073	2.754803	7.148006	2.594743
USP30	1	8.046269	7.801711	13.77692	13.27083	3.91909	5.39856	10.37566	10.58338	6.108548	7.056738	9.362963	7.904576	0.844239
USP31	1	7.578845	9.872926	18.65238	21.71521	8.331547	7.314675	8.257785	7.79889	6.111992	3.764344	13.23018	6.649537	0.502604
USP32	1	36.16523	39.77208	30.4996	31.94517	15.86308	24.87965	40.20973	20.86724	23.08316	21.64504	30.84903	26.13696	0.847254
USP33	1	32.28061	35.77422	23.18378	22.70979	14.28322	14.58415	38.09141	39.58393	43.8613	28.70127	25.64632	32.96441	1.285346
USP34	1	11.42852	15.60789	20.21828	16.82101	10.43165	15.86709	15.06866	21.20731	24.65536	20.58414	14.90147	19.47651	1.30702
USP35	1	1.966653	2.122897	6.381009	5.881801	1.943885	1.272317	1.706671	2.872343	2.311675	3.630075	3.659249	2.358616	0.644563
USP36	1	2.384564	2.784623	4.086771	4.603796	1.86017	1.887182	2.140047	4.206469	4.584962	5.076437	3.143985	3.57902	1.138371
USP37	1	2.813844	3.742672	3.565109	3.567638	3.900783	3.417165	3.738295	7.345063	6.56902	5.431109	3.518009	5.30013	1.506571
USP38	1	5.817336	5.971083	6.128833	5.910523	3.039605	5.546737	10.35674	10.6456	12.78488	9.356683	5.373476	9.738127	1.812259
USP39	1	9.814925	10.94375	8.39629	8.57402	10.22674	21.92573	20.91489	16.96426	13.34502	11.30165	9.591145	16.89031	1.761032
USP4	1	17.12504	15.48366	16.16133	17.28417	10.9353	11.06841	15.7454	22.92463	15.25165	10.68547	15.3979	15.13511	0.982934
USP40	1	5.830619	6.652334	8.333177	6.957072	8.384311	6.117665	3.844473	7.667412	3.41316	1.145038	7.231503	4.43755	0.613641
USP42	1	3.03788	3.438511	3.853817	3.709518	1.596181	1.21319	2.411563	5.526263	5.419745	4.612843	3.127181	3.836721	1.226894
USP43	1	3.192218	2.663687	0.410554	0.943238	1.540023	2.487326	2.509822	0.073334	0.660104	1.456348	1.749944	1.437387	0.82139
USP44	1	0.548621	0.789304	1.230994	0.45013	0.061183	0.983258	1.612946	3.554412	6.177418	3.997771	0.616046	3.265161	5.300188
USP45	1	0.765084	1.520471	2.679061	1.331213	0.208778	1.789468	2.116218	2.363941	2.651535	2.80654	1.300921	2.34554	1.802984
USP46	1	23.80489	24.17357	15.22654	14.32708	15.55982	17.99855	26.15738	29.20393	25.61672	22.61238	18.61838	24.31779	1.306118
USP47	1	20.52247	22.51169	23.05548	22.51003	13.52542	16.84638	27.22797	36.60296	35.36457	32.77631	20.42502	29.76364	1.457215
USP48	1	29.59943	37.73821	24.75485	19.90447	30.91328	22.95417	31.16179	50.16626	45.17824	39.21999	28.58205	37.73609	1.320272
USP49	1	0.581865	0.75382	1.094732	0.787533	0.22557	1.054576	1.766333	2.460758	0.924546	1.42785	0.688704	1.526813	2.216936
USP5	1	23.86043	21.27613	21.67053	28.26031	23.84888	27.53935	43.7919	27.83926	20.59071	33.3467	23.78326	30.62159	1.287527

USP50	1	0.20519	0.572489	0.342685	0.224107	0.294785	0	0.153889	0.187165	0.343186	0.14045	0.327851	0.164938	0.503088
USP53	1	3.406631	3.153819	4.096536	4.766128	1.46749	3.048809	9.420587	6.880003	15.28812	3.009531	3.378121	7.52941	2.228875
USP54	1	7.965814	9.488023	19.9334	23.82834	16.55085	21.33166	16.39698	8.490101	7.188984	4.233871	15.55329	11.52832	0.741214
USP6NL	1	1.678319	1.600915	2.476803	2.311039	1.401696	1.714002	1.887046	2.206661	3.714805	1.500601	1.893754	2.204623	1.164155
USP7	1	57.82306	51.38267	36.67427	39.93896	35.8786	44.03318	49.51322	51.69259	50.21424	60.817	44.33951	51.25404	1.155945
USP8	1	27.45184	26.73448	22.77917	21.05179	17.55942	17.12605	29.40361	25.09682	22.10089	14.43717	23.11534	21.63291	0.935868
USP9X	1	18.38716	24.97662	25.77917	20.92357	15.12762	14.55889	25.76683	27.61155	37.9857	21.11865	21.03883	25.40833	1.207687
USPL1	1	4.118353	5.593019	4.157343	4.009338	3.449782	4.036798	7.886012	7.803061	7.958226	6.383801	4.265567	6.813579	1.597344
UST	0.013683	5.318366	4.739723	6.633203	4.582398	6.833606	19.75119	27.58597	32.60715	152.8072	25.63861	5.621459	51.67802	9.19299
UTF1	1	0.032022	0.289301	0	0.038359	0	0.083791	0	0	0	0	0.071936	0.016758	0.232958
UTP11	1	15.14762	16.20811	7.08614	10.18775	21.41124	27.1021	21.7403	18.42954	15.32514	9.420114	14.00817	18.40344	1.313764
UTP14A	1	22.52663	19.45172	20.71978	29.22356	27.22047	16.32912	7.374039	9.853892	5.12015	3.404252	23.82843	8.416291	0.353204
UTP15	1	4.15088	4.467882	3.328687	3.368521	2.376026	4.509445	5.010703	5.08848	10.25029	6.484291	3.538399	6.268642	1.771604
UTP18	1	10.80352	9.110743	7.113356	6.506748	6.064688	16.15381	19.95421	27.71387	10.7245	16.8262	7.91981	18.27452	2.307444
UTP20	1	2.037916	2.65117	2.6676	2.845913	1.874755	3.24146	3.732211	2.059736	4.220833	1.882854	2.415471	3.027419	1.253345
UTP23	1	2.087506	3.231113	2.388757	1.869466	2.805254	4.013831	3.968167	3.947169	3.068552	2.261683	2.476419	3.45188	1.3939
UTP25	1	11.11521	9.975703	8.580026	8.063517	7.654521	3.510232	5.115812	7.645992	8.730702	7.506361	9.077796	6.50182	0.716233
UTP3	1	11.27592	9.377208	3.940188	4.82722	4.976123	3.67607	5.043545	6.248805	2.752168	5.432787	6.879332	4.630675	0.673129
UTP4	1	5.526776	5.581913	4.565627	5.049011	5.650033	8.548578	11.36644	8.246449	7.656968	11.57915	5.274672	9.479516	1.797177
UTP6	3.37E-06	50.50302	51.57631	33.07448	37.6616	39.08378	10.37034	7.762912	6.551859	5.093452	5.944055	42.37984	7.144524	0.168583
UTRN	1	8.078898	7.938351	8.958795	8.270419	3.656225	14.10878	13.76911	17.69798	17.29414	7.108031	7.380538	13.99561	1.896286
UTS2	1	0.420604	0.123911	0.359445	0.591463	0.94288	0.191405	0.116578	0	1.228992	0.729583	0.487661	0.453312	0.929564
UTS2B	1	0	0	0.0472	0	0	0.904824	0.50517	0.335131	0	0	0.00944	0.349025	36.97307
UTS2R	1	0	0	0.202302	0.055481	0.062842	0	0	0	0.419009	0.846907	0.064125	0.253183	3.948276
UVRAG	1	8.550764	9.888315	5.701659	5.52994	4.786066	4.048897	5.929385	6.84196	5.667711	5.552812	6.891349	5.608153	0.813796
UVSSA	0	8.03337	7.31283	12.16136	9.693624	5.364257	0.516344	0.327359	0.612878	0.957481	0.860351	8.513088	0.654883	0.076927
UXS1	1	33.07507	33.08818	23.91203	29.17628	41.67275	24.26146	31.77375	33.96987	33.31665	41.84572	32.18486	33.03349	1.026367
UXT	1	8.60935	7.644778	5.913684	6.487265	25.34126	99.92158	20.58124	16.23919	31.22684	26.02636	10.79927	38.79904	3.592748
VAC14	1	10.84573	8.63598	12.17788	14.60686	12.48771	22.92817	18.71074	13.61918	16.66216	15.7883	11.75083	17.54171	1.492806
VAMP1	1	69.2129	92.0107	126.7157	117.2713	123.506	78.82608	76.78836	41.56403	40.91558	62.57247	105.7433	60.1333	0.568672
VAMP2	1	130.8379	137.9728	161.2505	228.4209	58.68169	363.2102	175.0912	106.9889	153.6694	270.6474	143.4328	213.9214	1.49144
VAMP3	1	12.71414	12.92919	16.16441	17.1716	22.29578	25.26331	17.88236	13.70804	21.81957	13.03839	16.25502	18.34233	1.12841
VAMP4	1	14.33392	19.01966	10.05234	7.593232	20.26017	11.20944	17.72082	18.11515	17.7618	10.78425	14.25186	15.11829	1.060794
VAMP5	1	6.916134	3.130905	4.687624	4.570921	12.05366	7.332485	1.647014	4.776767	6.47269	4.60868	6.271848	4.967527	0.792036
VAMP7	1	12.43889	13.07853	10.30436	8.367749	6.152398	10.90291	26.62732	13.38163	8.869592	8.60717	10.06838	13.67772	1.358483
VAMP8	1	5.68695	2.554923	3.485743	4.77051	8.62034	11.92089	1.778098	1.321582	1.682259	1.262198	5.023693	3.593005	0.715212
VANGL1	1	1.237197	0.585303	1.050774	0.836702	0.307505	0.661076	0.572376	1.857987	0.806685	0.809067	0.803496	0.941438	1.171677
VANGL2	1	2.0089	2.049507	4.348116	3.740974	4.086183	4.099973	4.375723	6.71509	4.737474	5.812696	3.246736	5.148191	1.585651
VAPA	1	37.84312	37.75186	26.29793	28.64324	51.89568	57.24176	47.69954	34.25619	36.27252	33.09826	36.48637	41.71365	1.143267
VAPB	1	43.23507	49.46349	35.93724	37.31341	49.43235	23.86523	40.68506	27.07057	17.43418	17.59151	43.07631	25.32931	0.58801
VARS	1	6.678025	6.453183	9.884171	12.01362	5.46154	7.093024	11.65775	14.15218	7.024307	14.19764	8.098109	10.82498	1.336729
VARS2	1	3.04527	2.358532	4.785844	5.644402	6.909817	6.757029	5.126555	8.734468	3.776179	8.26892	4.548773	6.53263	1.43613
VASH1	1	4.645417	4.166881	10.70659	12.1151	5.28063	4.532813	4.674899	1.999726	1.49255	1.521409	7.382924	2.844279	0.385251
VASH2	1	0.943236	2.367116	2.380434	1.682291	4.550458	0.109695	0.311785	0.704236	0.433439	0.383282	2.384707	0.388487	0.162908
VASN	1	0.523902	0.307056	0	0.087384	0.899808	0.451174	0.239563	0.942654	0.068567	0.286625	0.36363	0.397717	1.093739
VASP	1	2.913417	2.22285	4.779851	4.732732	6.980469	13.68499	7.036446	7.198994	5.730645	5.33919	4.325864	7.798053	1.802658

VAT1	1	14.28725	9.627881	28.35797	33.39537	16.14052	21.35252	9.9588	7.089237	12.3278	16.88749	20.3618	13.52317	0.664144
VAT1L	1	39.13942	33.68094	59.34893	42.00197	17.65753	17.14483	11.37262	101.056	109.2657	172.7645	38.36576	82.32074	2.145683
VAV1	1	1.158459	1.258484	1.265014	1.463129	1.298475	5.074127	1.64557	0.683406	1.464655	0.376776	1.288712	1.848907	1.434694
VAV2	1	5.923255	6.234793	10.47576	6.487729	9.513239	9.96048	11.90264	7.432625	1.989557	11.46326	7.726956	8.549714	1.106479
VAV3	1	2.929421	3.092198	4.432775	5.320986	2.412721	2.131827	1.972087	8.303295	5.951408	4.322057	3.63762	4.536135	1.247006
VAX1	1	0.112125	0.042208	0.244876	0.089542	0	0.586785	0.238259	0.096593	0	0	0.09775	0.184328	1.885702
VAX2	1	0	0.024633	0	0.052259	0	0	0	0	0	0	0.015378	0	0
VBP1	1	26.05793	26.47479	18.31953	20.67056	29.62127	39.67947	41.85292	51.91664	74.00042	51.57472	24.22881	51.80483	2.13815
VCAM1	1	3.824445	1.29805	2.008236	1.376887	1.020815	2.078016	2.501678	3.330694	7.166536	0.277924	1.905687	3.07097	1.611477
VCAN	1	5.288894	2.681759	6.553796	7.107112	1.537024	5.357385	5.179489	5.094436	5.748009	1.329096	4.633717	4.541683	0.980138
VCL	1	6.526131	3.507409	7.150939	6.559528	4.640814	8.685305	9.959205	13.29573	14.93809	11.51614	5.676964	11.6789	2.057243
VCP	1	80.08659	71.20798	71.68754	80.35416	66.03623	80.3749	132.0682	101.2969	78.73809	93.2078	73.8745	97.13719	1.314895
VCPIP1	1	8.243099	10.25505	8.864581	9.148984	3.928949	4.348433	13.12382	10.51365	11.01534	7.072769	8.088132	9.214804	1.139299
VCPKMT	1	4.656923	3.725189	2.944103	3.131789	6.041544	17.63706	20.07357	8.789121	4.012435	4.363003	4.09991	10.97504	2.676897
VDAC1	1	150.8059	173.5598	84.57986	88.55866	103.2116	170.5515	237.1777	135.7772	149.3468	160.6177	120.1432	170.6942	1.420756
VDAC2	1	42.68011	53.63365	44.33456	45.47133	71.10771	39.8055	70.17556	50.59348	59.08702	58.6436	51.44547	55.66103	1.081942
VDAC3	1	89.13211	82.38645	71.07229	72.08654	144.7637	79.95862	77.77295	67.66016	91.35291	95.01321	91.88822	82.35157	0.896215
VDR	1	0.243957	0.043047	0.124873	0.159816	0.33101	0.039897	0.0324	0.118217	2.66028	6.285839	0.180541	1.827327	10.12142
VEGFA	1	16.78775	18.59595	32.7637	28.59458	9.238338	15.01599	33.85394	28.45219	8.886119	12.30792	21.19607	19.70323	0.92957
VEGFB	1	11.68148	12.13789	26.84	34.39	50.88838	35.08118	18.93246	23.83046	23.54149	53.7183	27.18755	31.02078	1.140992
VEGFC	1	0.91666	1.083338	0.884583	0.76609	3.21063	9.259682	2.310249	1.900755	1.267354	2.604627	1.37226	3.468533	2.527606
VEGFD	1	0.126225	0	0	0.015916	0.018028	0.83441	0.268221	0.188864	0	0.198784	0.032034	0.298056	9.304431
VEPH1	1	0.477184	0.547649	0.169456	0.185891	0.463224	0.6903	0.445167	0	0.441229	0.019347	0.368681	0.319209	0.865813
VEZF1	1	7.935843	8.887137	14.82231	13.41027	9.233683	16.26545	16.73806	27.60962	21.3218	12.99001	10.85785	18.98499	1.748504
VGF	1	11.01344	14.21639	31.6713	35.20152	16.71726	11.74766	13.10406	11.22392	19.3851	49.07226	21.76398	20.9066	0.960605
VGLL2	1	0.060303	0.037833	0.058533	0.048157	0.254553	1.192202	2.363467	0.051949	1.905091	0.033414	0.091876	1.109225	12.0731
VGLL3	1	0.378366	0.229933	0.437255	0.231703	0.184172	0.648199	1.564753	1.530382	0.166656	0.008461	0.292286	0.783691	2.681248
VGLL4	1	2.366233	2.389146	1.802974	1.982048	2.520907	2.935295	3.083917	3.601288	1.023911	0.935292	2.212262	2.315941	1.046866
VHL	1	3.851327	3.428292	3.859232	2.822364	2.459114	5.690895	4.765904	4.508365	3.162171	4.782812	3.284066	4.582029	1.395231
VIL1	1	0.035759	0	0.109336	0.042836	0.077632	1.272559	0	0	0	0.059444	0.053113	0.266401	5.015766
VILL	1.30E-06	0.021225	0.035955	0.030904	0.042376	0.115197	3.239807	3.698426	2.239939	1.627621	1.334896	0.049131	2.428138	49.42131
VIM	1	301.3168	18.81198	70.58689	72.89482	50.00041	148.1474	39.28249	78.28051	99.29576	23.31798	102.7222	77.66482	0.756067
VIP	1	15.64488	11.72131	1.942224	3.392147	11.49494	12.49249	33.14513	0.060484	0	0	8.8391	9.13962	1.033999
VIPAS39	1	9.574284	9.485183	10.28173	11.55534	11.2495	9.922975	15.35057	15.52102	10.77125	8.365306	10.42921	11.98622	1.149294
VIPR1	1	5.09618	5.292539	1.486003	3.335119	15.18591	1.526075	2.655644	0.717754	0.287143	0.300082	6.079151	1.09734	0.180509
VIPR2	1	0.25667	0.422365	1.073065	0.939958	0.676616	1.842152	0.576576	0.170575	0.379111	0.048762	0.673735	0.603435	0.895657
VIRMA	1	10.43127	11.30086	12.05453	10.66485	8.271136	11.20916	10.49805	19.79318	20.57426	13.93703	10.54453	15.20234	1.441727
VIT	1	1.944901	2.950912	3.208178	1.354016	4.085655	0.646622	0.20421	0	11.92338	24.57897	2.708733	7.470636	2.757982
VKORC1	1	4.863945	2.838427	6.861531	5.659223	10.04146	13.27538	8.505885	11.24737	6.857683	15.16515	6.052917	11.01029	1.819006
VKORC1L1	1	17.48474	18.13251	14.07663	13.26085	16.37823	6.760081	12.68451	9.012594	13.60632	10.62656	15.86659	10.53801	0.664164
VLDLR	1	12.27018	13.18774	8.670198	6.73096	8.021829	14.38339	27.47517	8.886816	9.977416	8.487803	9.77618	13.84212	1.415903
VMA21	1	24.60183	24.24972	13.89245	15.64368	30.4665	13.93108	20.80821	21.70031	35.00704	18.0884	21.77084	21.90701	1.006255
VMAC	1	0.614822	0.477346	1.279805	0.805537	0.521382	0.301647	0.040827	0.372415	0.297976	0.111785	0.739779	0.22493	0.30405
VMO1	1	0.052461	0.059244	0.114572	0.125684	0.427082	1.509988	1.226237	2.440464	0.813606	1.090087	0.155809	1.416076	9.088565
VMP1	1	16.92598	16.68002	7.983551	8.881992	17.47032	10.19784	28.62882	15.21039	11.73143	7.839875	13.58837	14.72167	1.083402
VN1R1	0.001212	0.235197	0.250853	0.618295	0.292175	0.106374	0	0	0	0	0	0.300579	0	0

VN2R401P	8.18E-06	0.445971	0.571544	0.262647	0.810342	1.115032	0	0	0	0	0	0.641107	0	0
VN2R402P	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
VN2R403P	1	0.023359	0	0	0.011193	0	0	0	0	0	0	0.00691	0	0
VN2R404P	1	0	0	0.359205	0.246278	0	0	0	0	0	0	0.121097	0	0
VN2R406P	1	0	0	0	0	0	0	0	0	0.140915	0	0	0.028183	#DIV/0!
VN2R408P	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
VN2R409P	1	0	0	0	0	0	0	0	0	0.726362	0.038928	0	0.153058	#DIV/0!
VN2R410P	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
VN2R412P	1	0.016331	0.018443	0	0	0	0	0	0	0	0	0.006955	0	0
VN2R415P	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
VNN1	1	1.123416	0.574638	0.692752	1.155748	0.555918	3.250855	3.047195	1.383388	0.478278	0.098867	0.820494	1.651717	2.013075
VNN2	1	0.074123	0.104634	0.404704	0.754726	0.251431	0.096977	0.295326	0.167621	0.622681	0.169423	0.317924	0.270406	0.850537
VNN3	1	0	0	0	0	0	0	0.029344	0	0.28556	0	0	0.062981	#DIV/0!
VOPP1	1	14.01	12.78593	4.833881	10.98219	30.40195	2.360118	3.127106	0.33739	2.515453	5.80013	14.60279	2.828039	0.193664
VPREB1	1	0	0.038044	0	0	0	0	0	0	0.087077	0.028	0.007609	0.023015	3.024855
VPREB3	1	0	0	0.195784	0	0	0	0	0	0	0.074511	0.039157	0.014902	0.380578
VPS11	1	15.17552	13.41436	18.58494	20.90184	14.89222	35.31631	35.59242	44.29886	35.51253	40.66298	16.59378	38.27662	2.306685
VPS13A	1	3.119486	4.663336	4.421895	2.531485	1.702398	3.360332	2.812514	4.714568	4.610329	4.932071	3.28772	4.085963	1.242795
VPS13B	1	2.137403	2.645185	4.763164	4.236268	1.335806	1.885858	2.299714	2.754389	3.372715	3.872168	3.023565	2.836969	0.938286
VPS13C	1	2.90588	4.317931	10.48937	5.323092	1.60682	4.288332	6.780109	6.023296	9.059832	4.657939	4.928618	6.161902	1.250229
VPS13D	1	5.035375	5.365646	11.52005	9.391996	4.342109	4.653997	7.55193	7.702409	6.7638	5.180429	7.131035	6.370513	0.89335
VPS16	1	13.63317	11.89092	14.66922	15.26763	27.49017	25.03082	27.97538	41.6727	13.73282	20.98118	16.59022	25.87858	1.559869
VPS18	1	5.023256	4.455412	6.541832	7.017569	7.001562	3.722448	7.181827	4.144751	3.357394	8.019839	6.007926	5.285252	0.879713
VPS25	1	56.79311	44.21877	46.50326	45.86668	121.865	58.39161	40.42385	26.55268	27.22829	35.62661	63.04936	37.64461	0.597066
VPS26A	1	37.94921	38.17048	22.53919	21.96586	25.69285	38.19385	35.55233	35.15645	42.93681	23.22184	29.26352	35.01226	1.196447
VPS26B	1	18.46579	17.7255	24.21314	30.3273	20.02415	20.13282	18.60732	12.21502	7.538424	14.41021	22.15117	14.58076	0.658239
VPS26C	1	12.33825	12.56088	10.57497	11.3256	21.36834	3.110109	5.625351	3.455788	2.164546	1.403276	13.63361	3.151814	0.23118
VPS28	1	19.85489	18.97679	22.99925	32.39139	60.14711	66.85074	31.95098	41.09528	27.76116	57.84248	30.87389	45.10013	1.460786
VPS29	1	35.48662	27.15664	14.01499	14.28811	45.71246	99.29036	68.95968	69.67496	62.83378	50.2942	27.33177	70.2106	2.568828
VPS33A	1	23.00637	22.46362	18.27423	21.12704	16.45206	10.05153	20.63739	19.6397	22.01693	26.34759	20.26467	19.73863	0.974042
VPS33B	1	7.866373	7.540591	9.283985	8.833626	11.98089	12.91173	16.83183	23.52721	10.67005	12.13357	9.101092	15.21488	1.671764
VPS35	1	35.34594	34.75253	26.14184	29.22446	29.75899	33.66704	69.4294	52.76389	53.74801	26.73062	31.04475	47.26779	1.522569
VPS35L	1	13.0661	15.27264	12.74517	17.49876	9.653245	15.6972	25.57315	26.69664	10.66389	14.82714	13.64718	18.6916	1.369631
VPS36	1	8.053664	7.529508	6.451661	5.560125	5.228629	5.743456	9.93327	11.37745	6.974637	3.621311	6.564717	7.530025	1.147045
VPS37A	1	8.185642	8.999583	7.519984	6.91909	6.481992	11.22126	15.76153	12.36467	16.75341	10.73952	7.621258	13.36808	1.754051
VPS37B	1	9.576423	12.44914	6.971511	10.62089	9.873692	8.989835	5.920875	2.010041	5.244348	5.463797	9.898331	5.525779	0.558254
VPS37C	1	1.347893	1.497893	1.792866	2.477774	2.383367	0.919267	1.683482	1.760306	1.00074	2.014199	1.899959	1.475599	0.776648
VPS37D	1	0.950782	1.126747	0.974147	0.998327	3.185321	4.422893	1.596337	3.54935	0.364089	3.063471	1.447065	2.599228	1.796207
VPS39	1	12.80824	11.53271	12.84851	13.18967	10.96066	8.413849	13.4981	20.94218	11.47684	12.5297	12.26796	13.37214	1.090005
VPS41	1	59.4181	52.18494	31.65222	28.2801	37.41266	27.15467	47.28268	34.03561	43.55697	23.62077	41.78961	35.13014	0.840643
VPS45	1	28.60762	25.38604	16.72626	13.80565	15.10011	16.05323	23.74822	26.26401	19.39725	13.93634	19.92513	19.87981	0.997725
VPS4A	1	31.74633	29.01456	29.64316	31.03526	56.69813	38.22088	34.00724	37.33927	23.25236	37.06383	35.62749	33.97672	0.953666
VPS4B	1	10.34407	10.6089	8.81263	10.02577	10.41223	5.656073	6.428896	6.639922	8.68052	5.694465	10.04072	6.619975	0.659313
VPS50	1	17.15913	18.82257	11.19676	15.24065	14.79267	14.45551	34.29457	26.90553	20.7703	11.57491	15.44235	21.60016	1.398761
VPS51	1	13.41278	13.39094	14.02602	18.20757	13.97889	12.24669	9.865896	10.12499	15.22834	29.6044	14.60324	15.41406	1.055524
VPS52	1	18.35981	20.27231	25.38357	26.24338	35.10259	29.22995	49.10592	79.98467	30.2507	30.28338	25.07233	43.77092	1.745786

VPS53	1	13.67836	11.32018	13.23159	15.17904	2.057027	7.697136	16.93704	11.82751	14.68053	17.27449	11.09324	13.68334	1.233485
VPS54	1	4.362146	3.817211	4.328561	3.769309	4.25725	6.016582	7.793372	11.9082	10.07585	5.484543	4.106895	8.25571	2.010207
VPS72	1	18.62751	20.81572	15.10341	15.38248	35.64154	79.09619	42.57491	36.17837	22.77695	59.82112	21.11413	48.08951	2.277598
VPS8	1	16.95355	15.10344	9.451498	10.26012	9.152297	6.926296	21.36439	13.59456	24.9772	13.70059	12.18418	16.11261	1.32242
VPS9D1	1	2.910146	2.905107	4.089603	3.868482	7.530644	2.859594	2.478784	2.792647	2.697836	5.102989	4.260796	3.18637	0.747834
VRK1	1	6.98855	7.938185	3.348907	3.039763	6.51794	8.024837	11.15936	6.873895	9.330215	5.616909	5.566669	8.201044	1.473241
VRK2	1	1.415839	1.168157	1.200145	0.627297	0.964916	3.552524	3.310819	1.470346	2.473214	1.826993	1.075271	2.526779	2.3499
VRK3	1	2.199011	2.443023	2.005707	2.200245	3.336756	11.98876	10.99352	10.97085	11.36809	14.53715	2.436948	11.97167	4.912568
VRTN	1	0	0	0	0	0	0	0	0	0.092335	0.118764	0	0.04222	#DIV/0!
VSIG1	1	0	0.036271	0	0.019237	0.043579	0	0	0.12451	0.166037	0.440472	0.019817	0.146204	7.377602
VSIG10	1	1.864206	1.218362	2.122301	2.176105	1.840557	1.328476	1.238973	1.301867	2.583608	0.896712	1.844306	1.469927	0.797008
VSIG10L	1	0.568825	0.506281	2.653031	1.911364	1.268896	0.176593	0.266329	0.72259	0.323967	2.051423	1.381679	0.70818	0.51255
VSIG10L2	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
VSIG2	1	0	0	0.191488	0.315091	0.380692	0.642395	0.186314	0.271922	0	0.02915	0.177454	0.225956	1.273322
VSIG4	1	0.755064	0.636521	0.487741	0.751615	0.230873	0	0	0.082454	0.109955	0.053035	0.572363	0.049089	0.085765
VSIG8	1	0	0.031305	0.211894	0.024905	0.150451	0	0	0.035821	0.035827	0.034561	0.083711	0.021242	0.253752
VSIR	1	5.837301	5.732259	5.518699	5.842477	4.910859	14.6679	15.47565	4.448852	4.050185	2.934909	5.568319	8.3155	1.493359
VSNL1	1	408.7514	396.9294	252.1283	240.8175	703.1531	553.0844	490.7064	302.278	415.2601	448.347	400.3559	441.9352	1.103856
VSTM1	1	0.793558	1.286808	1.496095	1.226841	1.067525	0	0	0	0	0	1.174166	0	0
VSTM2A	1	16.11943	17.97084	8.341941	13.94512	20.52598	27.44134	37.94461	0.615055	42.21944	16.85951	15.38066	25.01599	1.626457
VSTM2B	1	3.652659	3.256555	4.133967	5.774949	10.35355	4.179111	15.77483	0.38219	0.611593	1.204555	5.434336	4.430455	0.815271
VSTM2L	1	37.94622	33.81123	33.54386	74.69999	133.5683	39.88802	39.70418	28.66581	28.91842	107.0814	62.71392	48.85156	0.778959
VSTM4	1	5.104507	4.595942	2.79966	4.542053	8.319555	5.496285	3.725005	1.816188	3.15384	1.694511	5.072344	3.177166	0.62637
VSTM5	1	4.329258	5.100094	5.305644	5.559084	0.929712	4.889876	8.140524	3.219776	3.059232	3.2618	4.244758	4.514242	1.063486
VSX1	1	0	0.054691	0	0	0	0	0	0	0.100145	0.354225	0.010938	0.090874	8.307867
VSX2	1	0.017294	0	0	0	0	0	0	0	0.894018	0.028748	0.003459	0.184553	53.35872
VTA1	1	23.19387	22.45749	14.43085	14.97942	22.00134	34.29079	43.21316	21.97375	22.85439	22.13884	19.4126	28.89419	1.488425
VTCN1	1	0	0.004842	0.028094	0.010273	0	0.426357	0.054669	0	0.554169	0.028511	0.008642	0.212741	24.61782
VTI1A	1	2.231732	1.989589	1.785576	1.627162	1.345172	2.773854	3.346982	1.968811	2.052298	0.667065	1.795846	2.161802	1.203779
VTI1B	1	56.23743	41.66619	38.29758	38.46211	96.21989	199.0508	83.91575	51.98247	48.59051	67.04594	54.17664	90.1171	1.663394
VTN	1.00E-05	0.035017	0	0.050984	0.027965	0	0.305427	2.331505	5.972994	11.46499	1.920938	0.022793	4.399171	193.0039
VWA1	1	1.981902	2.104949	8.055626	8.789853	8.942375	3.29268	2.690643	1.768348	1.179071	3.203066	5.974941	2.426762	0.406157
VWA2	1	0.019925	0.045003	0.174063	0.180717	0.061795	0.148964	0.120971	0.485528	0.941768	0.009464	0.096301	0.341339	3.544519
VWA3A	1	0.361244	0.313481	0.680982	0.674151	0.206378	0.537302	0.60602	0.874649	1.985448	0.316057	0.447247	0.863895	1.931583
VWA3B	1	0.652469	0.82834	0.204897	0.418891	0.405036	0.133905	1.223351	0.363705	0.661378	0.326095	0.501927	0.541687	1.079215
VWA5A	7.00E-33	21.49565	15.13917	26.43731	29.89004	9.836083	0	0	0	0	0	20.55965	0	0
VWA5B1	1	0.074767	0.05196	0.383099	0.310025	0.062429	0.120394	0.122212	0.185799	0	0.611877	0.176456	0.208056	1.179085
VWA5B2	1	3.120527	3.363254	12.77308	5.23605	7.152452	7.208885	4.456073	18.61573	6.842672	29.86408	6.329072	13.39749	2.116817
VWA7	1	0.194543	0.315465	2.995908	1.469956	0.744511	0.365474	0.741989	1.379437	3.99708	0.489239	1.144077	1.394644	1.219013
VWA8	1	1.501223	1.370668	1.655595	1.504274	0.908975	2.68267	2.290938	2.0398	3.61749	2.353511	1.388147	2.596882	1.870754
VWC2	1	6.736707	6.619423	5.821952	8.820098	7.364778	3.4457	2.883507	0.166013	1.28679	3.603858	7.072592	2.277174	0.321972
VWC2L	1	2.273918	1.363232	1.042278	1.345142	0.457086	0.587662	1.193077	0	0.145128	0	1.296331	0.385173	0.297126
VWCE	0.035625	0.136093	0.135248	0.309111	0.326051	0.35454	1.054087	2.810941	20.09056	0.506558	2.950072	0.252209	5.482444	21.73772
VWDE	1	0	0	0.029445	0	0	0	0	0	0	0	0.005889	0	0
VWF	1	1.263023	1.550162	13.98538	10.70696	1.573528	9.534022	4.381996	4.05438	6.518472	6.172513	5.81581	6.132277	1.054415
VXN	1	85.70355	88.06826	29.34164	61.18729	104.9113	65.29888	85.55907	3.112391	7.167133	6.074099	73.84242	33.44232	0.452888

WAC	1	35.00028	36.99114	33.65249	28.32264	27.7498	77.62033	48.89508	59.30425	51.10563	61.65843	32.34327	59.71675	1.846342
WAP	1	0	0	0	0	0	0	0	0	0	0.023979	0	0.004796	#DIV/0!
WAPL	1	8.911074	9.106297	9.328777	9.290217	4.491002	8.586256	11.31406	14.74137	15.66545	10.02249	8.225473	12.06592	1.466897
WARS	1	41.20581	34.92345	40.87847	51.55903	25.49484	23.18748	36.93018	14.16182	20.52126	28.31904	38.81232	24.62396	0.634437
WARS2	1	2.705477	2.408685	1.969552	2.006256	1.398434	2.621972	6.357363	9.544843	5.476133	2.09403	2.097681	5.218868	2.487923
WAS	1	0.624664	0.971421	3.131046	2.244843	1.278297	4.01935	1.283859	0.529314	0.423513	0.119161	1.650054	1.275039	0.772726
WASF1	1	61.15524	54.14665	27.51088	45.78685	41.64388	25.83254	81.93042	51.14065	48.60905	34.08535	46.0487	48.3196	1.049315
WASF2	1	6.46049	5.718283	13.35579	18.0139	7.284593	34.27872	17.16908	18.27469	10.37803	8.433837	10.16661	17.70687	1.741669
WASF3	1	39.20221	42.63947	42.97546	43.52578	37.36056	49.80518	38.80891	27.51814	33.03054	36.34273	41.1407	37.1011	0.90181
WASHC1	1	9.076116	11.56975	19.65026	18.391	17.0328	31.92255	17.15728	21.73045	11.17148	24.44376	15.14399	21.28511	1.405515
WASHC3	1	10.19534	10.20473	7.922084	6.967797	23.00712	46.72821	25.45017	20.46922	14.31389	14.09364	11.65941	24.21103	2.076522
WASHC4	1	5.303441	6.480069	7.79858	7.365382	3.055287	6.508203	10.35233	17.27152	18.50678	10.40168	6.000552	12.6081	2.101157
WASHC5	1	10.60895	11.58188	12.40914	15.05651	6.122046	14.60204	16.97093	14.09134	14.12763	9.79756	11.15571	13.9179	1.247604
WASL	1	36.8399	36.70295	20.01738	24.59753	30.23431	34.51793	47.21869	45.88361	59.85782	30.91152	29.67841	43.67791	1.471706
WBP1	1	11.26853	10.56779	16.40668	19.13266	61.20248	63.75803	18.49669	19.83732	19.33365	52.17827	23.71563	34.72079	1.464047
WBP11	1	30.3002	26.94457	22.7179	24.2932	18.6073	26.13019	29.10469	32.24581	20.12525	26.22677	24.57264	26.76654	1.089282
WBP1L	1	8.580882	6.925901	8.497859	9.579315	11.40976	7.10234	8.633288	8.058238	5.617165	6.653813	8.998743	7.212969	0.801553
WBP2	1	52.23121	64.58599	114.9645	154.9841	129.2001	122.1531	93.64272	110.2811	67.0656	165.3404	103.1932	111.6966	1.082403
WBP2NL	1	0.053968	0.076183	0	0.064648	0	0	0	0.348693	0.139498	0.538277	0.03896	0.205294	5.26937
WBP4	1	8.889584	7.989714	5.051787	5.76205	7.498349	4.862409	6.303495	6.553459	7.079766	3.322313	7.038297	5.624288	0.799098
WC1	1	0	0.032857	0	0	0	0	0	0	0	0	0.006571	0	0
WC1.3	1	0	0	0.075036	0.015434	0.023309	0	0	0	0	0.028557	0.022756	0.005711	0.250987
WC1-10	1	0	0	0	0.009887	0	0	0	0	0	0.123481	0.001977	0.024696	12.48942
WC1-12	1	0	0	0	0.004735	0	0	0	0	0	0.045999	0.000947	0.0092	9.713996
WC1-8	1	0	0	0	0	0	0	0	0	0	0.055676	0	0.011135	#DIV/0!
WC-7	1	0.007009	0.003958	0.007654	0.004198	0	0	0	0	0	0.023303	0.004564	0.004661	1.021221
WDCP	1	1.597544	1.024066	1.46212	2.040984	0.999693	1.001032	2.386075	2.664012	2.472123	0.594724	1.424881	1.823593	1.279821
WDFY1	1	11.94433	10.50115	15.15959	11.10755	3.518513	11.30912	12.63488	11.71143	19.63473	22.14144	10.44623	15.48632	1.48248
WDFY2	1	3.634181	3.550604	6.791712	7.42738	4.698666	2.968196	2.719685	3.61201	6.660786	3.557845	5.220509	3.903705	0.747763
WDFY3	1	9.339104	11.67606	21.44459	15.79218	9.538097	9.064549	13.32831	22.7545	25.18077	13.81796	13.55801	16.82922	1.241275
WDFY4	1	0.188211	0.138259	0.427008	0.402757	0.069421	1.80737	0.904715	0.788662	0.500661	0.157953	0.245131	0.831872	3.393578
WDHD1	1	0.916583	1.040227	0.445941	0.391355	0.738804	1.211068	1.089551	0.90298	1.946968	0.41486	0.706582	1.113085	1.575309
WDPCP	1	0.749515	1.172516	1.314896	1.390915	0.250074	0.096454	0.704957	1.03205	1.333921	0.388081	0.975583	0.711093	0.72889
WDR1	1	23.99779	16.99675	36.6678	35.60879	17.58057	42.82636	25.02609	31.42464	31.27057	47.15889	26.17034	35.54131	1.358076
WDR11	1	12.16336	12.93545	15.12875	15.65404	10.62649	12.17652	19.78537	19.44052	19.69613	11.02085	13.30162	16.42388	1.234728
WDR12	1	12.71888	12.22017	8.042492	9.252366	8.481377	7.5605	10.1928	8.687566	7.273234	6.404121	10.14306	8.023644	0.791048
WDR13	1	21.35	23.25427	29.7443	32.23993	61.35975	34.13907	17.77545	12.45952	15.88169	38.59096	33.58965	23.76934	0.707639
WDR17	1	7.430564	7.025569	4.047514	5.185317	6.587571	14.02467	10.23364	4.845941	16.46285	17.02388	6.055307	12.5182	2.06731
WDR18	1	4.266087	5.972259	8.297062	7.484048	1.712538	4.095271	6.03454	5.414871	5.285161	13.70075	5.546399	6.906119	1.245154
WDR19	1	9.776855	11.05359	11.23336	10.58211	10.81717	4.25734	9.876923	10.67475	6.633265	4.321268	10.69262	7.15271	0.668939
WDR20	1	1.617028	2.057494	2.309445	3.143053	1.781538	1.16445	1.568249	2.419789	2.767502	3.303287	2.181712	2.244655	1.028851
WDR24	1	3.320088	3.073059	5.435031	6.435818	2.256351	1.795326	2.273421	1.728137	2.585068	3.460307	4.104069	2.368452	0.577098
WDR25	0.866688	0.815316	0.904588	1.374513	1.139439	1.125658	0.598852	0.486317	0.184837	0.295782	0.725219	1.071903	0.458201	0.427465
WDR26	1	21.55055	22.00812	16.47172	17.35585	12.10233	21.06	35.29661	25.90944	25.01833	17.31493	17.89771	24.91986	1.392349
WDR27	6.41E-07	1.487043	1.065	1.567828	1.466183	1.802898	0.023335	0.085274	0.080666	0.242034	0.088946	1.47779	0.104051	0.07041
WDR3	1	10.13516	8.670091	4.571111	5.201734	7.317768	11.22625	19.59896	10.49321	12.48144	7.341233	7.179173	12.22822	1.703291

WDR31	1	0.586473	1.267698	1.811179	0.653136	1.603928	3.021249	2.112742	2.356449	1.681731	2.284954	1.184483	2.291425	1.934536
WDR33	1	5.671136	6.214773	7.115523	6.378457	4.846192	3.625744	4.252103	6.297442	4.382056	4.920878	6.045216	4.695644	0.776754
WDR34	1	2.865445	1.981714	3.83243	4.74962	7.564902	6.219193	5.404512	5.884278	3.215293	9.194326	4.198822	5.98352	1.425047
WDR35	1	8.572342	8.500669	4.646317	5.929844	4.089864	1.394444	5.662024	5.315413	3.034746	1.8894	6.347807	3.459206	0.544945
WDR36	1	0.18771	0.156197	0.273301	0.244581	0.107239	0.137873	0.580817	0.51917	0.119171	0.224447	0.193806	0.316296	1.632026
WDR37	1	21.9164	22.39507	20.46531	22.42882	28.36583	11.32705	16.47812	8.79817	6.446755	9.316585	23.11429	10.47334	0.453111
WDR38	1	0	0	0.171528	0.117603	0	0	0	0.025373	0	0	0.057826	0.005075	0.087755
WDR4	1	3.175582	3.086964	3.298715	3.044974	1.879452	2.35209	3.272209	2.799177	1.942569	1.788204	2.897137	2.43085	0.839052
WDR41	1	11.41774	12.33244	11.24004	10.60763	18.33806	11.09047	15.96796	16.87796	13.86207	5.985198	12.78718	12.75673	0.997619
WDR43	1	12.72148	13.3118	7.340081	7.304045	10.24018	9.263197	15.64493	19.95409	14.37128	11.6342	10.18352	14.17354	1.391812
WDR44	1	5.734178	5.783379	5.333964	7.609024	1.61108	6.845449	9.01555	11.88816	13.29971	9.676543	5.214325	10.14508	1.945617
WDR45	1	10.19763	8.594716	10.2925	11.38688	25.41454	17.10699	13.18917	18.47714	13.11471	20.50225	13.17725	16.47805	1.250492
WDR45B	1	12.61814	13.77758	11.97995	11.59933	13.6376	17.02291	14.69469	20.16298	15.17307	22.39339	12.72252	17.88941	1.406121
WDR46	1	6.049342	4.981782	4.7968	7.257618	10.784	19.14103	9.74968	5.267516	6.543255	7.874641	6.773908	9.715224	1.434212
WDR47	1	43.74429	46.49796	26.37228	29.64331	28.72997	19.87202	53.51609	34.10871	34.91427	33.84127	34.99756	35.25047	1.007226
WDR48	1	18.31645	19.06862	15.34892	17.09878	18.00434	19.66722	32.59742	24.72835	22.78426	22.81438	17.56742	24.51833	1.39567
WDR49	1	0.197653	0.376394	0.761763	0.459606	0.431195	0.547614	0.024706	0.010016	0	0.045097	0.445322	0.125487	0.281788
WDR5	1	5.893542	6.072165	7.605747	8.492434	5.997425	10.26426	10.02285	9.964779	6.479285	6.568465	6.812263	8.659927	1.271226
WDR53	1	1.621524	1.734818	1.910463	1.699612	1.621157	2.400636	3.343648	2.922488	3.446832	3.121122	1.717515	3.046945	1.774043
WDR54	1	6.325715	5.165945	5.605177	6.004156	14.33907	9.63903	6.287823	6.359898	7.882738	5.621624	7.488012	7.158222	0.955958
WDR55	1	12.74045	12.7413	14.40513	16.95283	27.69639	9.689366	9.4177	7.955107	9.272339	8.213788	16.90722	8.90966	0.526974
WDR59	1	4.34303	3.696036	4.470532	5.211812	3.062555	2.912344	7.616175	5.43112	6.940774	7.523615	4.156793	6.084805	1.463822
WDR5B	1	1.221632	1.327128	1.253421	1.47648	1.520351	0.786635	0.592354	0.995907	1.921462	1.144858	1.359802	1.088243	0.800295
WDR6	1	11.71872	12.20694	25.02714	33.73536	25.02598	16.01618	12.59096	24.91545	16.05635	21.64996	21.54283	18.24578	0.846954
WDR60	1	3.507273	3.72848	4.724634	3.646911	2.270079	3.33722	3.802884	10.47318	4.608159	3.727261	3.575475	5.18974	1.451482
WDR61	1	27.96136	25.11764	12.1121	13.42565	46.52484	51.83344	43.41618	36.71233	26.27503	37.62298	25.02832	39.17199	1.565107
WDR62	6.50E-07	0.624009	0.519651	0.897103	0.801273	0.511661	0.939754	1.092271	1.618517	0.533782	1.361938	0.67074	1.109252	1.653775
WDR63	1	0.016741	0.103979	0.150814	0.130348	0	0.109511	0.048913	0.183877	0.118997	0.0487	0.080376	0.102	1.269027
WDR64	1	0.004483	0.030379	0	0.021482	0	0.046926	0.019054	0	0	0.074529	0.011269	0.028102	2.493743
WDR66	1	0.906737	0.882883	0.584728	0.714138	0.426243	1.756117	1.274399	2.103534	0.812008	0.896072	0.702946	1.368426	1.946701
WDR7	1	20.39502	20.06686	19.53271	21.4708	15.01624	7.079103	15.65709	9.524305	11.60007	8.359622	19.29633	10.44404	0.541245
WDR70	1	9.874737	9.436681	5.593187	6.37167	9.155013	10.52456	12.69814	12.89824	9.293177	13.03111	8.086258	11.68904	1.445544
WDR72	1	0.183516	0.188741	0.229024	0.129544	0.035572	0	0.027854	0	0.067765	0	0.153279	0.019124	0.124765
WDR73	0.00221	13.86274	11.36103	10.84581	12.35279	21.8205	3.138807	4.307765	2.914147	2.666522	1.754759	14.04857	2.9564	0.210441
WDR74	1	4.550752	3.833999	3.267815	4.264636	15.37355	18.1992	15.37132	6.747332	4.214362	7.359021	6.25815	10.37825	1.658357
WDR75	0.012734	3.724944	4.092488	2.457592	2.772986	2.355689	25.69535	15.76231	14.99233	16.76346	8.123789	3.08074	16.26745	5.280371
WDR76	1	1.132199	1.189808	1.167654	0.816264	1.692674	5.266818	6.18174	11.48767	9.321541	1.916947	1.19972	6.834943	5.697116
WDR77	1	3.880006	3.892267	4.492306	3.840233	4.797817	29.37794	21.3722	23.46898	7.148411	8.920025	4.180526	18.05751	4.319436
WDR78	1	1.509791	1.503514	0.7394	1.139946	1.31603	0	0.077775	0.118241	1.963094	0.737722	1.241736	0.579366	0.466578
WDR81	1	1.924496	1.862444	4.49506	5.361334	3.486377	3.00499	3.398595	5.210919	3.239508	4.829242	3.425942	3.936651	1.149071
WDR82	1	62.80354	67.59359	52.73732	52.29954	80.56432	56.82188	58.64721	68.55238	61.5557	49.25267	63.19966	58.96597	0.933011
WDR83	1	22.82624	22.78722	25.19192	36.21786	74.81646	20.32048	11.91039	6.67609	6.97102	12.69329	36.36794	11.71425	0.322104
WDR83OS	1	29.95177	21.07964	22.32714	30.23747	78.6297	70.78432	47.41414	34.28839	19.59622	35.75512	36.44514	41.56764	1.140554
WDR86	1	1.855064	0.078003	0.861997	0.535842	0.267768	0.327048	0.069892	0.127508	0	0.02187	0.719735	0.109264	0.151811
WDR87	1	0.432277	0.882634	0.438321	0.524757	0.219948	0.191887	0.319858	0.768071	0.029929	0.006416	0.499587	0.263232	0.5269
WDR88	1	0.029109	0.039447	0.101715	0.013948	0.063193	0	0	0.030092	0.722309	0.087099	0.049482	0.1679	3.39313

WDR89	1	3.456538	4.07268	2.26702	2.627913	4.965834	2.128141	6.367156	4.369813	2.544818	2.419335	3.477997	3.565853	1.02526
WDR90	1	1.040839	0.934136	4.452976	2.691071	0.944259	3.338514	4.858022	6.492259	4.355101	2.866789	2.012656	4.382137	2.177291
WDR91	1	3.73268	4.197246	8.163689	7.010879	6.231165	9.445788	8.181397	9.025854	5.217537	14.26519	5.867132	9.227154	1.572686
WDR92	1	8.807655	8.01217	2.169259	3.205256	7.536129	9.812738	13.52536	19.12187	7.387879	9.165531	5.946094	11.80268	1.984946
WDR93	1	0.129388	0.150547	0.342519	0.084542	0.148959	0.082076	0.083316	0.172265	0.547273	0.228122	0.171191	0.22261	1.300364
WDR97	1	0.250315	0.37691	2.273864	1.851253	0.758029	0.341734	0.215846	1.912647	2.700601	0.458321	1.102074	1.12583	1.021556
WDSUB1	1	2.693618	2.201187	1.714572	2.099767	2.497751	5.100273	4.17061	2.5887	7.452341	5.11897	2.241379	4.886179	2.179988
WDTC1	1	5.396563	6.492757	12.9232	15.2985	8.991836	17.62652	12.72572	17.59398	8.206654	13.41794	9.820571	13.91416	1.416838
WDYHV1	1	16.84978	18.94304	16.49765	19.86674	52.37798	17.53701	23.05194	23.7553	25.05558	17.81308	24.90704	21.44258	0.860904
WEE1	1	1.211943	1.110237	1.619568	1.395941	0.793455	0.243942	0.270138	1.69752	1.77444	6.487749	1.226229	2.094758	1.708293
WEE2	1	0.012271	0.006929	0.0268	0.014699	0	0	0	0.015857	0	2.009264	0.01214	0.405024	33.36335
WFDC1	1	0.693448	0.535128	2.801757	2.976592	5.206284	1.633068	0.319267	0.179218	0.477983	0.115274	2.442642	0.544962	0.223104
WFDC10A	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
WFDC11	1	0	0.034999	0	0.037125	0	0	0	0	0.400538	0.334869	0.014425	0.147081	10.19649
WFDC13	1	0	0	0	0	0	0	0	0	0.140102	0	0	0.02802	#DIV/0!
WFDC15B	1	0	0	0.095001	0.104215	0	0	0	0	0	0	0.039843	0	0
WFDC18	1	0	0.085694	0	0	0	0	0	0	0	0	0.017139	0	0
WFDC2	1	0.963122	0.23307	0.300489	0.329634	2.333568	1.260083	2.704417	0.711181	1.600391	1.829749	0.831977	1.621164	1.94857
WFDC3	1	4.397671	4.009503	4.009152	3.91471	21.24003	2.216989	6.472795	3.440941	1.87715	0.905416	7.514214	2.982658	0.396935
WFDC5	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
WFDC8	1	0	0	0	0.017631	0	0	0	0	0.228269	2.936059	0.003526	0.632865	179.4725
WFDC9	1	0	0.019281	0	0	0	0	0	0	0.529584	0.028382	0.003856	0.111593	28.93827
WFIKKN1	1	0.032325	0.097346	0.282387	0.400128	0	0.112779	0.366342	1.30883	1.782497	3.636075	0.162437	1.441305	8.872993
WFIKKN2	1	1.125551	0.005252	0.589145	0.373287	0.025243	0	0.019766	0.240407	0.553016	0.208752	0.423696	0.204388	0.482394
WFS1	1	16.26923	9.352988	21.61938	35.69808	16.25923	3.369676	15.21763	6.465821	6.276189	15.37718	19.83978	9.3413	0.470837
WHAMM	1	5.076515	5.720366	4.157592	4.814225	3.504419	3.262622	3.098994	2.459993	4.43151	2.331791	4.654624	3.116982	0.669653
WHRN	1	0.689437	0.488747	2.791598	2.182233	1.502188	2.080556	1.240455	1.46967	1.196719	3.889963	1.530841	1.975472	1.290449
WIF1	8.58E-05	0.273799	0.251227	0.803516	0.696961	0.046437	4.164303	27.89044	12.80345	32.51089	11.16527	0.414388	17.70687	42.73016
WIPF1	1	2.735725	2.47241	0.92725	1.070257	3.115816	9.409382	7.499991	5.028423	1.030643	0.668958	2.064292	4.727479	2.290122
WIPF2	1	11.27696	9.904793	12.94495	14.53904	11.90711	6.395888	6.347631	6.387606	6.958826	8.464369	12.11457	6.910864	0.570459
WIPF3	0.000769	6.858823	5.249818	4.552996	7.586366	9.80563	2.402136	1.289032	0.752529	0.752638	1.196636	6.810727	1.278594	0.187732
WIPI1	1	3.944979	3.658334	2.821255	4.689955	5.339205	10.92072	4.497616	2.182931	2.465787	1.932672	4.090745	4.399946	1.075585
WIPI2	1	8.696437	9.430117	10.11805	13.47086	12.21871	10.47714	10.36654	8.828609	5.040157	9.291178	10.78683	8.800726	0.815877
WISP1	1	0.339311	0.114956	0.098806	0.121938	0.092078	0	0.937325	0.029231	0.058471	0.018802	0.153418	0.208766	1.360767
WISP2	1	0.153261	0.072116	4.100276	0.940902	0.225279	0	0.094988	0.016504	1.023394	0.074308	1.098367	0.241839	0.22018
WISP3	1	0.583698	0	0.137813	0.094488	0.04281	0.082559	0.033522	0.020386	0.57088	0.026224	0.171762	0.146714	0.854173
WIZ	1	2.559579	2.361214	6.854876	7.322785	3.123304	7.731409	4.234371	3.196552	3.66642	6.009041	4.444352	4.967559	1.117724
WLS	1	19.81721	12.08835	26.16659	29.03291	12.82747	8.012677	26.52511	13.30522	14.17125	6.512984	19.9865	13.70545	0.685735
WNK1	1	26.60593	29.00912	68.53246	79.34585	41.31585	21.76642	17.72857	13.0589	14.84115	10.38357	48.96184	15.55572	0.317711
WNK2	1	12.12619	9.587159	18.27265	19.23832	6.184766	12.98312	14.94611	18.04415	15.88341	34.15221	13.08182	19.2018	1.467824
WNK3	1	0.514286	0.960883	2.281646	1.215994	0.175364	0.408646	0.772421	0.779393	1.517254	0.96234	1.029635	0.888011	0.862452
WNK4	1	1.616069	0.360141	1.176477	1.662275	0.830318	0.112766	0.045788	0.200479	0.913425	1.210692	1.129056	0.49663	0.439863
WNT1	1	0.031671	0	0.242088	0.398354	0	0	0.134598	0	0	0	0.134423	0.02692	0.200262
WNT10A	1	0.023879	0.033708	0	0.071511	0.0972	0.499868	0.342507	0	0	0.059542	0.04526	0.180383	3.985515
WNT10B	1	0.138187	0.099308	0.13718	0.218203	0.511356	1.5121	1.655065	1.038943	0.324717	0.428102	0.220847	0.991785	4.49083
WNT11	1	0.213334	0.1268	0.212522	0.269002	0.233599	0.156694	0	0.038691	0	0.093324	0.211051	0.057742	0.273592

WNT16	1	6.209981	0.965906	0.973225	1.02457	0.507116	0.150458	0	0.575844	1.374796	2.294013	1.93616	0.879022	0.454003
WNT2	1	0.10012	0.0848	0.309766	0.459745	0.135847	0.349308	0.797814	0.409695	0	0.069347	0.218055	0.325233	1.491514
WNT2B	1	3.346999	0.506674	0.058791	0.236476	1.120113	0.328717	0.171608	0.092763	0	0	1.053811	0.118618	0.112561
WNT3	1	0.67803	0.771928	2.154972	2.733773	0.867619	3.346415	1.82733	4.459181	4.616565	3.188903	1.441265	3.487679	2.419874
WNT3A	1	0.11781	0.188478	0.235851	0.094083	0.479546	0	0.083447	0	0	0	0.223154	0.016689	0.074789
WNT4	0.006962	6.942005	5.847412	5.580272	9.119934	16.79067	1.334452	1.40437	1.49286	0.914678	1.020773	8.85606	1.233427	0.139275
WNT5A	1	5.534311	3.767634	2.75919	3.294669	3.847112	1.977666	4.290666	3.190027	3.294529	1.248952	3.840583	2.800368	0.729152
WNT5B	1	0.209123	0.217998	0.491849	0.289047	0.174613	0.589298	0.102548	0	0.207902	3.436215	0.276526	0.867193	3.136026
WNT6	1	0.433635	0	0.522506	0.501537	0	0.234761	0	0	0.154602	0.347995	0.291535	0.147472	0.505844
WNT7A	1	1.430924	1.131166	1.523478	1.821226	0.242691	1.029668	1.520321	1.895298	2.589076	11.35817	1.229897	3.678506	2.990906
WNT7B	1	4.454286	2.079243	3.466053	4.158333	4.293718	0.501846	0.539991	0.706324	0.669247	1.673786	3.690327	0.818239	0.221725
WNT8A	1	0	0	0	0	0	0.837669	0.075584	0	0.091942	0	0	0.201039	#DIV/0!
WNT8B	1	0	0	0.574809	0.20268	0	0	0.133161	0.032391	2.429689	0.031251	0.155498	0.525298	3.378173
WNT9A	1	0.826419	0.722723	3.158518	2.028216	1.76402	2.769005	1.13504	11.73406	2.084043	5.74644	1.699979	4.693718	2.761044
WNT9B	1	0.572051	0.800072	0.288309	0.521849	0.429884	0.138172	0.233765	0.022745	0.113742	0.109724	0.522433	0.12363	0.236642
WRAP53	1	4.513317	4.084677	5.227845	5.621217	13.90739	6.677522	9.344084	17.95992	8.340721	10.18466	6.670889	10.50138	1.57421
WRAP73	1	2.516099	2.207194	3.606134	5.139979	4.907528	10.34595	9.642945	13.12155	4.006719	10.23242	3.675387	9.469916	2.576577
WRB	1	20.07922	20.61416	12.77385	12.9965	14.65117	20.04749	23.16382	21.2292	15.81623	7.756942	16.22298	17.60273	1.085049
WRN	1	2.519447	2.409647	2.159911	1.791863	1.731043	4.839278	7.434231	8.294165	7.720192	4.192271	2.122382	6.496027	3.060725
WRNIP1	1	9.475949	10.17452	21.15348	22.45094	14.80858	13.14012	11.16643	10.98938	15.91382	19.43502	15.61269	14.12896	0.904966
WSB1	1	40.71043	44.51037	47.35933	54.62411	54.3025	92.27687	86.01958	132.9198	87.89837	49.63194	48.30135	89.74931	1.858112
WSB2	1	73.40088	72.67234	40.81818	55.77551	118.6679	216.0305	81.04346	35.46384	29.79443	39.01	72.26695	80.26845	1.110721
WSCD1	1	11.97831	13.2063	26.39135	33.3258	17.10681	3.804921	2.46246	12.52689	10.81502	8.812197	20.40171	7.684298	0.37665
WSCD2	1	7.933175	8.459394	6.202843	7.334399	12.74128	7.723623	8.460396	6.129715	8.321482	7.137609	8.534219	7.554565	0.885209
WT1	1	0.082986	0.058573	0.079292	0.024852	0.02815	0	0	0	0.455823	0.017244	0.054771	0.094613	1.727444
WTAP	1	12.76681	12.14542	9.221837	10.22854	19.86548	19.32843	17.82818	20.87125	16.04399	13.00303	12.84562	17.41497	1.355713
WTIP	1	2.058505	1.875902	2.794621	2.799097	3.127357	2.287667	1.013333	2.341661	0.73958	2.127141	2.531096	1.701876	0.672387
WWC1	1	17.66465	12.61596	16.29173	14.77367	9.567507	10.56716	12.05256	23.02013	19.56351	46.45676	14.1827	22.33202	1.574596
WWC2	1	4.084731	3.27479	2.478699	2.715789	2.108487	7.783919	8.750606	5.299892	1.764497	3.787189	2.932499	5.477221	1.867766
WWC3	1	3.095619	2.413041	6.036811	3.520331	3.348954	4.801263	3.320461	3.92374	4.865227	2.204003	3.682951	3.822939	1.03801
WWOX	0.047812	0.749604	0.769774	1.433528	1.30272	0.827373	0.406521	0.817068	0.416572	0.391534	0.726349	1.0166	0.551609	0.542602
WWP1	1	9.298965	9.186922	6.9096	6.461325	4.827735	15.41814	15.1148	8.05436	8.153372	4.331171	7.336909	10.21437	1.392189
WWP2	1	10.44453	9.537678	17.2447	24.80731	11.27617	6.727344	6.118745	7.906962	5.848016	10.90887	14.66208	7.501987	0.511659
WWTR1	1	5.054578	1.188647	3.962718	2.578133	1.342871	8.550227	5.700011	4.78073	5.441283	3.101117	2.825389	5.514674	1.951828
XAB2	1	5.670342	5.035205	8.667177	12.27211	6.797814	7.516655	6.422378	9.992624	6.75656	21.79409	7.688529	10.49646	1.365211
XAF1	1	0.933464	0.504166	0.199433	0.474015	0.798481	3.66384	1.487672	2.700932	2.780005	3.87932	0.581912	2.902354	4.987617
XBP1	1	26.2533	20.78208	26.25804	27.26893	75.83452	30.52547	40.17642	36.34247	24.55783	36.37394	35.27938	33.59522	0.952262
XCL1	1	0.731723	0.826339	0	0.194784	1.985655	0	0	0	0	0	0.7477	0	0
XCL2	0.145975	0.660136	1.006419	0	0.118616	2.955799	0	0	0	0	0	0.948194	0	0
XCR1	1	0.002322	0.010491	0	0.008346	0	0	0	0	0.036017	0	0.004232	0.007203	1.702236
XDH	8.12E-08	8.98163	5.282816	15.48454	12.82996	10.78469	0	0.138301	0.126155	0.588809	0.013524	10.67273	0.173358	0.016243
XG	1	0.608327	0.109046	0.24603	0.212059	0.061141	0	0.027358	0.033274	0.099836	0.069556	0.24732	0.046005	0.186013
XIAP	1	8.436572	9.057353	9.189678	7.128454	6.948683	9.184483	14.35711	19.71401	21.5051	10.29053	8.152148	15.01025	1.841263
XIRP1	1	0	0.006743	0	0	0.016203	0	0	0	0.015433	0.014888	0.004589	0.006064	1.321455
XIRP2	1	0.024797	0.019253	0.00677	0.007426	0.004206	0	0.006587	0	0.721087	0.046374	0.01249	0.15481	12.39441
XIST	1	0	0.132836	0.001117	0.002451	19.68909	0	0	0	0.002644	24.5447	3.965098	4.90947	1.238171

XK	1	27.44993	22.4512	14.06648	15.22283	13.20404	2.531261	6.008664	3.269351	14.12651	11.46959	18.4789	7.481074	0.404844
XKR4	1	3.150853	3.125672	3.647939	2.61272	1.554615	1.553223	1.459349	0.686776	0.285455	0.585162	2.81836	0.913993	0.3243
XKR5	1	0.272187	0.080187	0.129227	0.170113	0.337198	0.154831	0.037721	0.030585	1.101214	0.649189	0.197782	0.394708	1.995666
XKR6	1	0.603056	0.172961	1.463389	0.126133	0.051952	0.10019	0.264429	0.766912	0.296912	0.461459	0.483498	0.377981	0.781762
XKR7	1	0.269376	0.584079	1.741386	0.658275	0	0.169168	1.076131	1.921475	1.225466	3.636075	0.650623	1.605663	2.467885
XKR8	1	0.404064	0.182525	0.494177	0.367859	0.416668	0.634379	0.22324	0.229742	0	1.074702	0.373059	0.432413	1.159101
XKR9	1	0	0	0	0	0	0	0.228761	0	0.151783	0.016269	0	0.079363	#DIV/0!
XKRX	0.089437	0.055647	0.062843	0	0.116654	0.075504	0.873658	1.47809	1.114579	0.719188	0.323764	0.062129	0.901856	14.51575
XPA	1	5.500405	5.762715	5.439365	5.743422	5.591855	4.075812	4.551112	4.549793	12.16251	7.565646	5.607552	6.580974	1.173591
XPC	1	7.975669	8.676839	13.94929	19.01551	12.1538	9.410103	10.1617	16.66404	5.446185	6.069809	12.35422	9.550368	0.773045
XPNPEP1	1	8.692085	8.106655	5.377147	5.042677	6.54032	24.61412	21.20351	23.32046	12.35879	20.21584	6.751777	20.34254	3.012917
XPNPEP2	1	0.028327	0	0.030933	0.016966	0	0	0.030097	0.036605	0.07322	0	0.015245	0.027984	1.835618
XPNPEP3	1	3.476301	3.385696	3.733188	3.495839	3.833501	1.854025	1.9479	2.895577	3.273738	2.451377	3.584905	2.484523	0.693051
XPO1	1	17.81347	19.32766	19.30233	19.01109	14.9705	10.31198	20.45212	28.14687	29.00102	10.15462	18.08501	19.61332	1.084507
XPO4	1	2.803753	3.231986	4.929119	3.823135	1.399621	2.678881	3.782359	5.502256	2.786612	3.63579	3.237523	3.677179	1.1358
XPO5	1	5.278984	4.621825	6.114121	6.037932	3.730403	4.960315	8.329817	11.26662	10.1244	7.799805	5.156653	8.49619	1.647617
XPO6	1	17.1132	14.81231	16.40468	21.69952	8.5025	37.67489	26.19234	28.95902	15.46131	15.96898	15.70644	24.85131	1.582237
XPO7	1	21.19862	18.73425	15.92009	17.55608	10.42742	22.51739	28.26096	28.78071	23.32839	20.69262	16.76729	24.71602	1.474061
XPOT	1	24.23814	26.73885	21.09574	22.73982	22.93119	27.95812	43.10305	33.17464	31.39691	19.38168	23.54875	31.00288	1.31654
XPR1	1	4.960681	7.496963	5.771017	4.990814	0.769866	4.751009	4.788322	2.492894	5.698873	2.587077	4.797868	4.063635	0.846967
XRCC1	1	3.870694	2.931375	8.636851	7.773527	5.925215	11.9462	7.738341	12.54888	9.551165	7.703494	5.827532	9.897617	1.698423
XRCC2	1	1.513378	1.162473	0.789069	0.751278	1.664923	0.178378	0.535975	0.739964	0.775313	0.113322	1.176224	0.46859	0.398385
XRCC3	9.70E-09	1.258029	1.647048	3.296983	3.882402	2.048326	0	0	0.033064	0.132276	0.049623	2.426558	0.042993	0.017718
XRCC4	1	1.726903	1.30904	0.958137	1.200485	1.400622	1.024169	0.644348	0.544685	0.911647	0.314596	1.319037	0.687889	0.521508
XRCC5	1	7.047807	5.815711	5.087231	6.7572	5.31262	17.08726	13.91859	13.80678	10.29226	9.134358	6.004114	12.84785	2.139841
XRCC6	1	14.87948	14.25238	8.633771	10.19601	13.16743	12.96815	14.25388	17.61908	8.282025	8.688745	12.22581	12.36238	1.01117
XRN1	1	1.807785	2.487397	2.741759	2.144792	1.01498	1.758029	2.185654	3.893432	10.80473	4.997057	2.039342	4.72778	2.318286
XRN2	1	13.49027	12.83414	10.07168	10.70446	7.724137	11.34285	14.59388	22.02842	15.49774	28.42452	10.96494	18.37748	1.676023
XRRA1	1	0.90803	1.278194	0.851896	0.980484	1.318812	1.740176	1.820813	1.008112	1.586768	2.933859	1.067483	1.817946	1.703021
XXYLT1	1	2.77499	1.804861	2.726343	3.028876	1.898786	0.998677	2.264068	2.322103	2.548519	2.973971	2.446771	2.221468	0.907918
XYLB	1	1.233852	1.101499	1.416573	1.113873	0.913164	0.255223	0.345438	0.546175	0.226906	0.113498	1.155792	0.297448	0.257354
XYLT1	1	8.572808	6.521495	5.370488	8.504853	6.818022	4.139171	4.911067	1.125583	3.037392	1.94656	7.157533	3.031955	0.423603
XYLT2	1	4.41431	3.099829	6.993874	7.066523	1.001879	2.26815	4.29783	6.409521	17.05305	41.6001	4.515283	14.32573	3.17272
YAE1D1	1	11.853	11.93171	6.873311	5.067446	18.91089	9.625446	9.423426	8.239332	14.15681	7.745572	10.92727	9.838117	0.900327
YAF2	1	9.226507	10.20356	6.641806	7.07201	7.04934	7.160308	8.137103	4.464898	6.73635	3.643974	8.038645	6.028527	0.749943
YAP1	1	6.913674	2.08919	5.649753	4.081767	3.319331	5.288068	3.261125	4.123384	8.189053	2.500638	4.410743	4.672454	1.059335
YARS	1	40.07344	37.45035	26.68386	29.9902	40.56543	66.18862	70.74362	53.39612	29.23601	31.24703	34.95266	50.16228	1.435149
YARS2	1	2.758656	3.824473	5.036911	6.006701	3.650173	2.600831	5.406703	3.745534	11.84592	7.761737	4.255383	6.272144	1.473932
YBEY	1	3.252017	3.672522	5.841519	3.826419	6.527297	10.77526	7.155711	7.70841	8.654571	16.21781	4.623955	10.10235	2.184786
YBX1	1	70.68747	67.79371	71.60812	73.0519	85.77059	186.921	86.80979	143.0909	142.7066	154.5374	73.78236	142.8131	1.9356
YBX2	1	0.300014	1.111289	0.262088	0.18688	0.260525	0	0.102002	0.124059	0.496309	0.398979	0.424159	0.22427	0.52874
YBX3	1	4.519265	3.49306	17.04984	25.94756	11.6104	11.8254	5.80522	5.097938	14.8891	9.559998	12.52403	9.435531	0.753394
YDJC	1	3.406879	4.40299	7.091297	8.928281	11.08083	2.767727	0.862461	0.063573	1.144484	7.769243	6.982055	2.521498	0.36114
YEATS2	1	5.987652	5.924246	4.908693	4.517754	5.247931	5.769832	5.85222	9.335812	6.869655	5.632356	5.317255	6.691975	1.258539
YEATS4	1	16.05863	16.58321	5.830947	8.638413	21.09637	7.534157	7.703577	9.470852	19.82402	8.180316	13.64151	10.54259	0.772831
YES1	1	5.474869	4.246815	4.166195	4.045967	2.791254	6.08922	3.712592	8.040981	4.412341	3.371212	4.14502	5.125269	1.236488

YIF1A	1	7.795515	8.996158	10.43113	10.80943	17.86789	9.730453	11.78042	9.742892	9.171115	13.80943	11.18002	10.84686	0.9702
YIF1B	1	2.714	3.494027	7.764724	9.200567	11.04736	12.49886	14.47545	11.78382	11.29447	11.43684	6.844135	12.29789	1.796851
YIPF1	1	4.602446	4.696599	4.546026	4.205188	7.685862	10.13447	12.51727	9.260054	4.652752	6.225582	5.147224	8.558025	1.662649
YIPF2	1	6.020619	6.441842	5.045955	5.397563	9.651896	8.930576	10.34889	12.83448	8.028912	16.43079	6.511575	11.31473	1.737633
YIPF3	1	23.00977	21.20936	27.06545	30.74658	39.94002	46.06762	45.98971	48.17491	49.13961	74.67336	28.39424	52.80904	1.859851
YIPF4	1	6.307541	7.010661	1.447402	1.42488	5.743648	4.300348	7.249047	7.138395	3.495451	1.964589	4.386827	4.829566	1.100925
YIPF5	1	11.33593	11.40293	8.803633	8.247161	9.905598	6.642528	16.18286	13.43819	11.56215	8.905474	9.939051	11.34624	1.141582
YIPF6	1	7.953867	7.705713	7.123692	6.840847	9.216879	6.873275	7.724734	11.07586	12.42357	5.65872	7.768199	8.751232	1.126546
YIPF7	1	0.353932	0.266465	0.269927	0.323027	0.426869	0.205805	0	5.386671	5.605276	11.3188	0.328044	4.50331	13.72775
YJEFN3	1	4.490421	6.612934	4.837188	5.960566	5.845759	11.35296	8.381414	0.705724	2.823306	8.372431	5.549373	6.327168	1.140159
YJU2	1	3.882414	3.590931	4.421585	4.878976	5.574817	3.147412	2.758414	3.50878	2.493443	2.583527	4.469745	2.898315	0.64843
YKT6	1	20.76989	19.07114	19.08822	20.50434	15.5698	41.03612	25.03421	16.21232	13.74293	28.89925	19.00068	24.98497	1.314951
YLPM1	1	21.08101	19.93425	23.64082	21.35207	10.04516	13.29863	18.42056	21.46266	17.14554	14.52786	19.21066	16.97105	0.883418
YME1L1	1	30.84668	31.66992	25.54043	24.3987	32.54112	12.24028	28.40036	25.30651	21.51966	17.45764	28.99937	20.98489	0.723633
YOD1	1	3.32768	2.676909	3.550799	2.803087	0.247404	0.397599	2.518493	2.552571	2.749322	1.313467	2.521176	1.90629	0.756112
YPEL1	1	8.175268	9.547715	3.658979	5.568627	12.72725	7.090051	2.109696	3.434553	4.036521	5.380996	7.935568	4.410363	0.555772
YPEL2	1	12.16703	14.67697	10.9764	13.17864	6.216893	7.77772	7.115506	8.717895	8.671344	5.392141	11.44319	7.534921	0.658464
YPEL3	1	92.37283	90.82621	78.31223	98.1313	212.3807	181.8451	119.3185	144.4764	76.80134	153.0134	114.4047	135.0909	1.180817
YPEL4	1	15.39915	24.1562	24.15002	26.61854	31.08714	8.51204	5.99248	13.24592	12.27996	21.06627	24.28221	12.21933	0.503222
YPEL5	1	33.67995	40.71797	16.86751	15.59003	56.10099	49.48043	43.38244	51.36881	30.47605	28.71659	32.59129	40.68486	1.248336
YRDC	1	4.349029	5.619991	5.552377	8.008903	21.6367	7.416781	10.3909	7.269534	4.082717	13.97351	9.033399	8.626688	0.954977
YTHDC1	1	52.65715	52.34556	33.60479	31.19277	23.56452	28.00637	34.19871	53.06138	42.31028	39.51001	38.67296	39.41735	1.019248
YTHDC2	1	7.560354	8.365161	8.059193	6.353927	2.784357	5.353945	18.25842	14.33658	26.02518	17.79445	6.624598	16.35372	2.468635
YTHDF1	1	4.372808	5.046621	7.192006	7.228517	8.057407	4.080883	7.851673	5.642886	4.155256	9.841657	6.379472	6.314471	0.989811
YTHDF2	1	13.43404	13.44738	14.95238	12.77781	7.654459	10.83768	15.83818	15.34118	14.21285	13.02816	12.45321	13.85161	1.112292
YTHDF3	1	14.66452	16.18435	12.52082	13.17491	11.86859	9.485933	20.6997	15.71595	21.43122	13.4571	13.68264	16.15798	1.180911
YWHAB	1	264.4481	233.2558	167.271	188.0178	247.5045	222.4091	263.4015	187.3596	197.5956	194.7528	220.0995	213.1037	0.968216
YWHAE	1	168.3419	157.0882	91.28817	104.5455	118.3007	147.3911	120.6427	99.37665	181.431	179.3521	127.9129	145.6387	1.138577
YWHAG	1	359.7638	309.7643	223.0175	233.0824	69.72663	236.0124	425.7368	226.2944	194.3861	211.3191	239.0709	258.7497	1.082314
YWHAH	1	204.6981	204.0329	152.3754	168.8233	332.5187	209.1057	162.0197	110.5383	261.0914	423.7676	212.4897	233.3045	1.097957
YWHAQ	1	155.3069	134.9085	138.0224	139.5724	198.1529	244.1327	245.227	179.8192	259.7795	236.204	153.1926	233.0325	1.521173
YWHAZ	1	292.3863	253.7959	113.4613	141.7109	315.9385	377.0707	559.3092	207.6137	313.5371	255.5607	223.4586	342.6183	1.533252
YY1	1	19.57694	18.46829	14.89906	18.50682	21.09689	20.23268	20.79043	19.5022	22.31587	20.00942	18.5096	20.57012	1.111322
ZACN	1	0	0.010172	0.039345	0	0	0	0	0	0	0	0.009903	0	0
ZADH2	1	5.360927	4.640169	7.194292	5.002261	4.90031	3.340818	1.63381	3.117378	3.865381	5.493563	5.419592	3.49019	0.643995
ZAN	1	0.035998	0.048397	0.086107	0.075977	0.018607	0	0.025498	0.039872	1.205211	1.330758	0.053017	0.520268	9.813181
ZAP70	1	0.905874	0.428837	0.57953	0.685064	0.4842	0.095772	0.068053	0.413845	0.6859	0.828987	0.616701	0.418512	0.67863
ZAR1	1	0.033819	0.012731	0.04924	0.094527	0.275322	3.244752	1.077959	0.349614	0.291388	0.037479	0.093128	1.000238	10.7405
ZAR1L	1	0.580576	0.733291	0.650662	0.471272	0.082921	0.059967	0.024349	0.0691	0.296188	0.158735	0.503744	0.121668	0.241527
ZBBX	1	0.137649	0.32955	0.144298	0.184676	0.029883	0.288146	1.134892	0.113839	0.227711	0.320347	0.165211	0.416987	2.523962
ZBED1	1	0.285194	0.170508	0.723609	0.959585	0.147956	0	0	0	0.021682	0.467116	0.457371	0.09776	0.213743
ZBED2	1	0.016562	0	0	0	0	0	0	0	0	0	0.003312	0	0
ZBED3	1	1.667349	0.776473	1.051133	1.309574	1.09151	0.971531	0.569807	0.817409	1.546195	1.182969	1.179208	1.017582	0.862937
ZBED4	1	1.7232	1.913748	3.413898	2.78309	2.163614	1.211383	1.724588	2.208292	2.023947	1.467895	2.39951	1.727221	0.719822
ZBED5	0.063733	5.782516	4.998839	5.493446	4.300869	4.766661	15.77438	16.18434	42.05547	35.85042	11.67979	5.068466	24.30888	4.796102
ZBED6CL	1	0	0.01485	0	0.007876	0	0	0	0	0	0.005465	0.004545	0.001093	0.240464

ZBED8	1	5.298305	6.775013	5.227079	4.599355	6.786212	2.445596	9.379956	10.2658	9.043049	2.760889	5.737193	6.779057	1.181598
ZBED9	1	0.070921	0.160184	0.106487	0.084956	0.120286	0.301563	0.367342	1.787101	1.947765	1.075793	0.108567	1.095913	10.09436
ZBP1	1	0.135602	0.009987	0.051504	0.02825	0.039998	0	0.050113	0.015237	0.060958	0.024502	0.053068	0.030162	0.56836
ZBTB1	1	3.112716	4.254925	3.618414	3.263852	1.232305	3.024643	4.111316	4.893644	4.666711	2.118245	3.096442	3.762912	1.215237
ZBTB10	1	2.144841	1.639989	3.447113	1.835209	1.159887	2.223372	3.381328	8.125177	9.197894	4.699706	2.045408	5.525495	2.701415
ZBTB11	1	8.796654	10.40729	7.148118	6.318459	5.256348	4.99953	10.61308	10.63705	9.790728	6.563224	7.585375	8.520722	1.123309
ZBTB12	1	1.29957	1.656981	2.27362	2.469034	1.099694	4.31466	2.078564	5.958921	3.864832	7.363667	1.75978	4.716129	2.679954
ZBTB14	1	1.735331	1.934595	2.251263	2.052092	1.17728	1.397163	2.726222	3.631974	3.718762	6.706309	1.830112	3.636086	1.986811
ZBTB16	1	12.94083	12.18448	12.29553	21.16511	12.19122	7.709448	13.02132	1.75311	1.818304	12.58979	14.15544	7.378393	0.521241
ZBTB17	1	3.01559	2.596506	3.488534	4.180592	2.732152	6.890188	5.286838	6.104794	5.530147	8.899335	3.202675	6.54226	2.042749
ZBTB18	1	65.65077	66.73538	52.97349	37.86206	62.87359	77.63477	95.20853	324.6328	255.6737	225.21	57.21906	195.672	3.419699
ZBTB2	1	1.718947	2.429652	1.404765	2.01262	1.564917	2.379537	2.497959	2.780158	1.605273	2.359711	1.82618	2.324528	1.272891
ZBTB20	1	0.509277	0.715977	1.838602	1.743027	1.240988	0.27196	0.24294	2.901005	2.686507	1.503125	1.209574	1.521108	1.257556
ZBTB21	1	2.38451	2.925627	2.445441	2.527158	2.113188	4.714556	5.683436	6.438864	5.696494	4.010385	2.479185	5.308747	2.141328
ZBTB22	1	1.863322	1.604002	2.794849	3.377573	2.9003	6.108409	5.498428	4.379516	2.508137	7.071566	2.508009	5.113211	2.038753
ZBTB24	1	2.952468	2.603286	1.859585	2.176776	1.53102	3.85828	3.412737	3.43506	4.115515	4.597282	2.224627	3.883775	1.745809
ZBTB25	1	1.441228	1.902374	0.956539	0.739902	0.446973	1.155851	0.954557	3.221685	3.599523	2.899853	1.097403	2.366294	2.156266
ZBTB26	1	0.004944	0.005584	0.032394	0.023691	0	0.05175	0.063038	0.191673	0.306722	0.135614	0.013323	0.14976	11.24099
ZBTB3	1	1.054404	0.867128	0.698054	0.800967	0.797576	0.365306	0.811908	0.579191	0.607764	0.525221	0.843626	0.577878	0.684993
ZBTB32	1	0	0	0.225728	0.180558	0	0.112688	0.210478	0.200341	1.090903	0.544079	0.081257	0.431698	5.31273
ZBTB33	1	4.081136	4.74637	5.455724	4.567851	2.398137	2.494489	4.679888	7.436277	10.37813	5.812558	4.249844	6.160268	1.449528
ZBTB34	1	1.092037	1.583681	1.485291	1.113866	1.229383	1.335384	1.355554	1.419537	1.531535	0.605709	1.300852	1.249544	0.960558
ZBTB37	1	1.210823	1.213559	2.452673	1.852934	0.843349	0.855446	0.733288	1.254329	2.060425	0.766538	1.514668	1.134005	0.748683
ZBTB38	1	8.39441	9.111171	10.10581	9.374154	3.071595	5.585972	14.73043	16.11706	15.14921	10.17163	8.011429	12.35086	1.541655
ZBTB39	1	1.754615	1.860246	2.52382	2.677226	1.518143	2.055337	1.9633	2.577697	2.234816	1.554664	2.06681	2.077163	1.005009
ZBTB4	1	16.88056	13.94748	20.06051	22.33999	19.7183	51.1175	29.19123	52.22763	26.73667	39.10968	18.58937	39.67654	2.134367
ZBTB40	1	3.946039	3.989589	6.214653	6.175285	3.953915	1.359426	2.830171	4.290494	2.111987	0.92251	4.855896	2.302918	0.474252
ZBTB41	1	1.617218	2.455847	3.017067	2.314677	1.189824	1.706523	2.373718	4.304882	5.865971	4.384144	2.118927	3.727048	1.758932
ZBTB42	1	0.095591	0.069851	0.478938	0.323317	0.183108	0.500261	0.191178	0.043597	0.174414	0.411283	0.230161	0.264146	1.147659
ZBTB43	1	4.265679	4.425457	3.723543	3.677019	2.698893	2.126889	4.577814	6.037377	5.073159	4.251293	3.758118	4.413306	1.174339
ZBTB44	1	6.683251	7.011193	5.856456	5.435559	2.523662	4.134797	5.899179	9.731047	12.16176	10.49076	5.502024	8.483509	1.541889
ZBTB45	1	1.030112	1.846125	4.809193	5.642259	1.35718	1.796971	0.459994	0.366544	0.848962	4.76491	2.936973	1.647476	0.560943
ZBTB46	1	0.987181	0.862871	3.591048	1.515698	1.43482	0.8797	0.59749	2.377538	2.717582	4.704606	1.678323	2.255383	1.343831
ZBTB47	1	27.57354	26.70272	31.03153	36.73647	51.25927	46.15237	22.5366	11.48515	8.540827	17.91415	34.66071	21.32582	0.615274
ZBTB48	1	2.733461	1.987671	2.649997	3.841426	3.509846	2.930801	2.252552	3.790694	3.412121	3.845712	2.94448	3.246376	1.102529
ZBTB49	1	0.988467	1.36213	2.724167	2.06509	1.229422	0.800579	1.425301	1.35335	1.155838	1.105222	1.673855	1.168058	0.697825
ZBTB5	1	1.709842	2.09929	2.338876	2.507416	1.865887	1.066774	2.269214	4.246004	4.545458	2.412438	2.104262	2.907978	1.381946
ZBTB6	1	5.252168	6.174193	5.068373	4.82839	3.148843	3.876988	5.219185	4.913515	5.051499	3.18248	4.894393	4.448733	0.908945
ZBTB7A	1	17.19734	20.51575	23.59058	21.35551	10.05824	7.951802	7.609441	8.281777	14.60566	19.61632	18.54348	11.613	0.626258
ZBTB7B	1	1.624125	2.149558	8.031638	10.22332	3.719571	3.085833	1.879466	11.46949	3.716761	10.43822	5.149642	6.117954	1.188035
ZBTB7C	1	2.309726	2.049962	1.024198	1.268757	3.350349	0.918253	0.73214	0.296819	0.313354	0.646994	2.000598	0.581512	0.290669
ZBTB8A	1	2.181517	1.836502	1.559241	1.009656	0.484357	1.29734	1.390684	3.126531	2.768152	3.230801	1.414255	2.362702	1.670634
ZBTB8B	1	0.44481	0.675351	0.831128	0.757811	0.71083	0.05173	0.336071	0.804711	0.153301	0.123237	0.683986	0.29381	0.429556
ZBTB8OS	1	5.808443	5.448083	4.2501	3.852647	8.838525	4.606269	2.825236	2.265176	4.991792	1.537236	5.63956	3.245142	0.575425
ZBTB9	1	3.8731	4.646252	2.553569	3.55408	6.405346	1.376776	2.872785	2.493008	2.153366	1.044719	4.206469	1.988131	0.472636
ZC2HC1A	1	13.80131	12.96776	6.25175	5.234857	5.109805	11.47768	14.69823	14.90884	24.47656	7.51779	8.673096	14.61582	1.685191

ZC2HC1B	1	0.120927	0.462215	0.182838	0.323144	1.00971	0.146042	0.375562	0.264447	0.048088	0.015463	0.419767	0.169921	0.404798
ZC2HC1C	1	0.935211	0.796433	1.054715	1.303937	0.915292	0.080234	0.260626	0.237738	0.634059	0.127429	1.001118	0.268017	0.267718
ZC3H10	1	44.55469	40.35029	32.32925	36.80949	135.907	126.4526	45.56686	48.76873	58.90003	66.07042	57.99015	69.15173	1.192474
ZC3H11A	1	20.76472	23.55937	22.34514	23.87118	19.94597	29.7455	27.84724	53.46178	49.39304	20.8163	22.09728	36.25277	1.640599
ZC3H12A	1	0.249973	0.059431	0.833264	0.709203	0.374875	0.275409	0.321504	0.085005	0.340071	0.437409	0.445349	0.29188	0.655395
ZC3H12B	1	2.530881	2.700448	1.20458	1.120693	0.2463	1.224014	2.670452	0.270659	0.848187	0.887858	1.56058	1.180234	0.756279
ZC3H12C	1	1.757193	2.095535	2.863977	2.468182	1.438708	1.692058	2.428132	3.565621	3.488276	2.400261	2.124719	2.71487	1.277755
ZC3H12D	1	0.11543	0.202776	0.3548	0.215091	0.348043	0.044747	0.109015	0.265175	0.176809	0	0.247228	0.119149	0.481941
ZC3H13	1	18.5307	17.73427	13.06393	12.60483	6.931584	6.952196	9.239489	11.80639	7.798786	7.124019	13.77306	8.584177	0.623258
ZC3H14	1	14.72269	12.95825	12.02032	12.9645	16.26051	5.797247	6.024451	6.959764	8.430582	5.756232	13.78525	6.593655	0.478312
ZC3H15	1	19.67699	18.67941	10.37649	12.93718	14.05847	30.14054	45.46228	28.56319	24.94817	20.87029	15.14571	29.99689	1.980554
ZC3H18	1	6.521847	6.864559	7.733752	9.411597	4.438364	3.866398	4.103444	5.267294	4.714914	10.07072	6.994024	5.604555	0.801335
ZC3H3	1	1.748235	2.031426	4.124997	4.740569	0.915267	1.059058	0.943659	1.438274	1.714556	5.485242	2.712099	2.128158	0.78469
ZC3H4	1	4.07873	4.128908	7.143753	7.035675	5.508763	4.702971	2.875771	6.055168	5.80717	6.211117	5.579166	5.13044	0.919571
ZC3H6	1	4.074296	4.248957	2.397813	2.391658	0.7461	3.051536	5.062073	8.169168	7.106732	3.782115	2.771765	5.434325	1.960601
ZC3H7A	1	14.03771	11.80117	13.12739	12.95497	10.34535	23.64751	23.28903	42.63859	35.16049	24.39288	12.45332	29.8257	2.395
ZC3H7B	1	14.57372	13.63483	24.04154	24.91947	12.42711	23.20544	12.1301	17.15457	17.21183	26.29934	17.91934	19.20025	1.071482
ZC3H8	1	7.602611	6.821494	4.422627	5.004065	9.137926	9.447131	12.36841	12.5906	8.793766	10.07968	6.597745	10.65592	1.615085
ZC3HAV1	1	4.630902	2.82648	3.128452	3.176968	2.990851	3.025223	1.856049	1.395481	2.61075	0.913424	3.350731	1.960185	0.585002
ZC3HAV1L	1	5.405078	5.989237	4.623164	3.198472	2.167588	1.84638	2.614979	3.632699	3.020394	1.904923	4.276708	2.603875	0.60885
ZC3HC1	1	6.874676	7.418343	7.077767	8.528122	13.41687	8.182923	10.72887	11.24278	7.044696	8.770667	8.663155	9.193987	1.061275
ZC4H2	1	5.886933	7.05998	3.470207	4.295639	8.50597	6.906865	8.413427	3.949472	3.501178	1.876381	5.843746	4.929464	0.843545
ZCCHC10	1	2.945633	3.058613	1.770195	1.752437	1.663073	4.966055	5.671197	8.174841	30.96671	11.40355	2.23799	12.23647	5.467617
ZCCHC11	1	3.313945	3.310514	4.432756	3.233995	1.272803	6.457951	3.512084	11.12617	10.55048	9.667228	3.112802	8.262783	2.654452
ZCCHC12	1	2.19273	1.568865	3.558827	2.851542	1.793255	9.156639	7.723182	2.755863	3.920882	12.32076	2.393044	7.175466	2.998468
ZCCHC13	1	0.220375	0.276524	0	0.293318	0.398684	0	0	0	0	0	0.23778	0	0
ZCCHC14	1	6.022282	6.740736	10.06133	8.175928	7.447212	13.23164	9.757073	19.25501	14.97538	11.65843	7.689498	13.77551	1.79147
ZCCHC17	1	33.24828	24.37363	14.02405	15.48897	37.27863	20.82501	18.0806	8.277921	8.345571	8.204568	24.88271	12.74673	0.512273
ZCCHC18	1	5.342522	3.572644	0.358398	0.382239	4.774889	2.0039	6.916169	1.083861	0.801231	0	2.886139	2.161032	0.748762
ZCCHC2	1	2.88856	2.907067	3.089412	2.146405	2.672897	2.90637	3.369616	5.506463	4.189132	3.181813	2.740868	3.830679	1.397615
ZCCHC24	1	9.066507	7.684254	18.92349	22.60156	17.90508	29.85152	19.26587	13.00212	17.62558	11.58795	15.23618	18.26661	1.198897
ZCCHC3	1	4.546	4.342197	6.911906	6.958761	11.82783	7.08273	3.760772	7.587444	5.23843	6.149412	6.917339	5.963758	0.862146
ZCCHC4	1	1.861614	1.888377	1.65506	1.391293	1.698838	2.97446	3.255687	4.002266	3.023428	2.533209	1.699036	3.15781	1.858589
ZCCHC6	1	3.013266	3.456794	3.552446	3.153811	1.424592	3.135844	3.309974	3.583742	4.989185	2.499018	2.920182	3.503552	1.199772
ZCCHC7	1	2.341524	2.32938	1.653042	1.198311	0.876845	6.092234	5.586991	4.072489	3.089135	2.177975	1.679821	4.203765	2.502508
ZCCHC8	1	6.237484	7.745458	8.874691	8.720304	9.413123	6.721386	6.274839	17.90251	11.4288	8.793775	8.198212	10.22426	1.247133
ZCCHC9	1	5.895528	5.545637	4.092709	3.309902	8.389017	2.219142	3.720523	3.21702	7.283545	5.457262	5.446558	4.379498	0.804085
ZCRB1	1	17.71392	19.93597	6.222677	8.380283	29.97368	10.97712	11.56803	10.18392	8.524395	6.812389	16.44531	9.613172	0.584554
ZCWPW1	1	4.6273	4.196345	5.072061	5.438033	8.109711	1.054871	1.005625	0.58889	2.219985	0.189389	5.48869	1.011752	0.184334
ZCWPW2	1	0.908752	0.760192	1.43338	0.63501	0.822018	2.069653	8.099694	11.35166	14.22426	7.665147	0.91187	8.682082	9.521179
ZDBF2	9.96E-08	0.018471	0.026075	0.02017	0	0	0.386669	0.618203	1.760357	3.879317	2.966945	0.012943	1.922298	148.5159
ZDHHC1	1	2.422829	3.791217	3.804248	3.357553	1.50403	5.966803	8.143203	6.629996	2.701502	2.211204	2.975975	5.130542	1.723987
ZDHHC12	1	1.538636	1.236018	2.182477	2.869191	4.821026	1.577233	0.876367	1.516816	0.574014	2.557727	2.52947	1.420431	0.561553
ZDHHC13	1	6.664183	7.551241	6.876955	5.608696	11.04143	6.615061	9.027473	6.572266	3.402609	2.710466	7.548501	5.665575	0.750556
ZDHHC14	1	4.775526	6.287837	9.993048	11.68057	10.90588	14.90548	10.14775	7.453211	6.642442	5.90939	8.728573	9.011655	1.032432
ZDHHC15	1	1.439527	1.286836	1.171109	1.192933	0.779548	1.486659	2.909707	2.012798	3.630163	1.140775	1.173991	2.23602	1.904632

ZDHHC16	1	4.213544	4.839719	4.62077	5.079733	12.09384	16.91508	18.53848	17.82368	8.145164	13.14057	6.16952	14.9126	2.41714
ZDHHC17	1	21.12549	25.79553	18.01799	17.32125	15.12451	13.25423	38.9477	60.07807	58.92851	24.95479	19.47695	39.23266	2.014312
ZDHHC18	1	1.524116	1.659522	3.989994	3.871497	3.704841	3.273619	2.130981	5.311864	2.848805	3.0205	2.949994	3.317154	1.124461
ZDHHC19	1	0.088173	0.066383	0.032094	0.088018	0.159515	0	0	0	0.151941	0.21986	0.086837	0.07436	0.856321
ZDHHC2	1	27.05685	26.65154	34.31205	25.15517	19.96601	12.79885	23.2324	59.45919	76.92544	52.69677	26.62833	45.02253	1.690776
ZDHHC20	1	8.935382	10.8473	16.31506	24.94949	5.251677	9.065518	18.13889	13.4833	19.20469	5.477998	13.25978	13.07408	0.985995
ZDHHC21	1	4.540031	5.997634	4.643066	3.737433	4.090203	3.301696	7.953234	13.36922	11.49395	14.37244	4.601674	10.09811	2.194442
ZDHHC22	6.61E-05	36.06125	41.57453	31.82906	45.89046	45.81235	3.569382	8.440829	1.114036	3.018207	2.666678	40.23353	3.761826	0.0935
ZDHHC23	1	3.990123	3.542485	2.656294	3.523481	6.255922	1.120398	3.197685	0.609433	0.320801	0.09284	3.993661	1.068231	0.267482
ZDHHC24	1	4.805445	4.921189	5.337024	6.145359	6.974664	1.28783	1.227393	1.351471	2.243945	2.380567	5.636736	1.698241	0.301281
ZDHHC3	1	7.320638	6.908076	7.962979	6.821548	10.54949	6.632945	6.834978	8.028516	5.212412	9.30701	7.912547	7.203172	0.910348
ZDHHC4	1	18.87399	20.35317	21.84459	22.75243	41.94156	12.94709	10.00537	14.1283	8.388827	9.175876	25.15315	10.92909	0.434502
ZDHHC5	1	3.922365	4.660811	10.05421	11.18506	5.781534	5.420287	9.958277	10.01499	4.621411	5.787075	7.120797	7.160409	1.005563
ZDHHC6	1	8.329726	7.891854	6.711205	6.568	7.238404	16.81646	23.71634	15.1984	8.588142	6.586298	7.347838	14.18113	1.929973
ZDHHC7	1	8.570335	8.649475	10.98737	13.36866	10.85417	3.338127	4.270079	3.904368	3.074363	3.515848	10.486	3.620557	0.345275
ZDHHC8	1	3.654418	4.815541	7.390239	10.13379	3.396945	2.97966	2.745796	1.346252	2.734646	3.879856	5.878187	2.737242	0.465661
ZDHHC9	1	15.13856	20.15857	33.2492	46.61558	25.64869	29.0887	24.52001	14.93481	10.31664	8.893859	28.16212	17.5508	0.623206
ZEB1	1	17.25801	15.94201	3.890516	3.207262	11.87873	11.88038	8.902822	19.17544	4.723612	3.214439	10.43531	9.579338	0.917974
ZEB2	1	7.063754	5.922994	9.04171	7.392227	2.907102	5.139164	5.311638	1.788095	3.634398	0.537958	6.465557	3.28225	0.507652
ZER1	1	13.05303	12.76931	13.23658	15.56068	12.23456	22.86445	23.69264	38.33976	15.60796	23.1645	13.37083	24.73386	1.849837
ZFAND1	1	8.777517	9.259504	7.172872	8.547388	8.520341	3.994402	4.017874	4.617696	4.57353	2.3838	8.455525	3.91746	0.463302
ZFAND2A	1	1.392539	1.459849	2.869104	2.568265	3.393873	2.475038	2.735748	1.942068	1.358287	1.930509	2.336726	2.08833	0.893699
ZFAND2B	1	7.703096	7.241007	10.35031	13.4282	27.79192	35.09135	22.04317	25.93756	16.384	18.82962	13.30291	23.65714	1.778344
ZFAND3	1	10.65049	10.83514	15.60587	19.16827	15.8398	14.91758	15.41823	14.19811	16.3436	10.98465	14.41991	14.37243	0.996707
ZFAND4	1	1.421971	1.55985	1.519412	2.040792	1.261696	0.603856	0.858168	1.684011	2.526384	1.432942	1.560744	1.421073	0.91051
ZFAND5	1	45.80988	56.19261	32.70729	31.53206	73.00609	67.07771	70.36536	86.01103	56.40355	42.62858	47.84958	64.49725	1.347917
ZFAND6	1	12.34991	14.14343	15.00666	14.02107	21.75883	29.36805	31.4219	24.82484	33.72222	17.89112	15.45598	27.44563	1.775729
ZFAT	1	0.990811	1.169218	1.628998	1.753658	2.363973	0.466089	0.857546	0.942278	1.23737	0.610707	1.581331	0.822798	0.52032
ZFC3H1	1	12.29313	17.07946	17.02141	17.46542	9.685256	12.55434	14.21093	25.7157	25.13381	13.48321	14.70894	18.2196	1.238675
ZFHX2	1	2.036457	2.123392	5.129787	5.473389	3.584031	1.448585	1.962021	2.273867	1.47184	1.847109	3.669411	1.800684	0.490728
ZFHX3	1	1.015018	0.645204	1.61943	1.164919	0.207819	2.061154	0.870494	0.779123	0.52787	0.165699	0.930478	0.880868	0.946683
ZFHX4	1	0.749782	1.148871	1.84669	1.537158	0.152376	0.337071	1.007186	0.162192	0.572024	0.112559	1.086975	0.438206	0.403143
ZFP1	1	4.517599	3.814959	2.034733	1.718225	3.819657	3.577881	6.58019	7.604651	4.019444	1.77159	3.181035	4.710751	1.480886
ZFP2	1	3.384461	3.63529	3.283772	2.70727	3.449792	2.762332	2.811954	4.150117	10.40563	7.890758	3.292117	5.604158	1.702296
ZFP28	2.78E-11	4.481719	5.835207	6.958891	6.941816	4.148098	0.206563	0.426991	0.408039	0.445198	0.316138	5.673146	0.360586	0.06356
ZFP3	1	4.829369	4.381714	4.146744	3.485876	1.372138	2.808186	4.319758	7.654088	6.614947	2.658854	3.643168	4.811167	1.3206
ZFP30	1	5.137786	4.666241	3.47078	2.848334	3.177132	2.695088	5.445944	11.70821	4.513412	1.645275	3.860054	5.201586	1.347542
ZFP36	1	7.200626	0.800079	6.160946	10.40008	2.901307	13.6172	2.299251	1.531381	24.23929	9.935611	5.492607	10.32455	1.879717
ZFP36L1	1	18.31431	10.1094	23.76225	23.95063	7.107096	32.26298	14.1312	16.28656	51.23052	12.47149	16.64874	25.27655	1.518226
ZFP36L2	1	8.521787	5.750544	13.30154	16.20035	12.49066	26.88379	11.61609	9.779876	34.04098	10.33201	11.25298	18.53055	1.646724
ZFP37	1	4.020188	4.139613	3.299921	3.914029	5.003257	6.480115	5.030571	5.046949	4.3427	3.554538	4.075402	4.890975	1.200121
ZFP41	1	2.142442	1.726545	2.56843	2.309164	0.638278	1.819625	1.184323	1.546137	1.215942	2.26097	1.876972	1.605399	0.855314
ZFP42	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ZFP57	1	1.367007	0.724237	1.124166	1.644268	0.70223	0.206082	0.454252	0.879603	0.174492	0.434846	1.112382	0.429855	0.386428
ZFP62	1	2.957017	2.806803	2.0738	2.442891	2.853494	2.918245	2.755807	5.237571	4.958296	1.981051	2.626801	3.570194	1.359141
ZFP64	1	2.201155	2.038944	2.240021	3.520268	1.667912	2.492846	3.061088	1.886325	1.409985	1.698618	2.33366	2.109772	0.904062

ZFP69	1	6.600831	5.489357	3.555596	4.084867	8.620779	8.471291	7.811187	5.015364	5.763685	7.072211	5.670286	6.826748	1.203951
ZFP69B	1	0.42604	0.496009	0.306954	0.384078	0.274134	1.586008	1.185306	0.61297	0.386	0.795835	0.377443	0.913224	2.419501
ZFP90	1	0.50263	0.389932	0.429544	0.261781	0.023721	0.503212	0.557251	0.632566	0.948987	0.305153	0.321522	0.589434	1.833261
ZFP91	1	41.58704	39.21795	44.76196	44.04688	30.06974	15.32583	14.40003	14.34811	16.95136	18.52655	39.93671	15.91038	0.39839
ZFP92	0.001639	0.018374	0	0.046815	0.018341	0.03324	0.208336	0.227751	0.910139	1.234803	1.211541	0.023354	0.758514	32.47898
ZFPL1	1	4.432383	4.438854	5.97508	7.670904	12.4495	9.190913	5.965954	7.256016	6.979141	16.02711	6.993344	9.083826	1.298925
ZFPM1	1	1.022862	1.129454	3.909308	4.812627	0.447198	0.416342	0.217353	1.10147	3.701478	7.273667	2.26429	2.542062	1.122675
ZFPM2	1	2.874818	2.870632	9.062503	2.918105	0.893045	0.871018	4.027013	48.1764	17.48213	23.48581	3.72382	18.80847	5.050854
ZFR	1	46.87663	44.3007	33.68547	33.80819	28.97954	57.71886	47.33738	40.98295	46.65354	44.86648	37.53011	47.51184	1.265966
ZFR2	1	3.10198	2.684261	4.131436	5.204792	2.485382	0.656194	0.752989	1.155334	0.197281	1.286866	3.52157	0.809733	0.229935
ZFX	1	4.365891	5.144912	4.690359	3.95522	2.471277	4.409066	6.679862	11.81201	10.33465	5.832769	4.125532	7.813673	1.893979
ZFYVE1	1	8.080243	7.878746	8.466168	10.2971	8.540592	6.573717	8.36704	8.39187	5.977658	5.692723	8.65257	7.000602	0.809078
ZFYVE16	1	4.511649	5.766575	4.83199	3.316514	2.985651	6.778379	10.01164	19.21365	11.45022	9.148715	4.282476	11.32052	2.643452
ZFYVE19	1	2.650001	2.15381	2.784138	3.426931	8.362531	26.42336	14.52573	12.99711	14.94496	17.17021	3.875482	17.21228	4.441325
ZFYVE21	1	5.288441	5.659834	37.39143	56.04618	10.77054	1.670592	1.243605	1.430018	4.67574	10.17085	23.03129	3.838161	0.16665
ZFYVE26	1	2.428545	1.97184	4.66263	4.411457	1.79399	1.943547	3.04922	6.743778	3.256784	3.099707	3.053693	3.618607	1.184994
ZFYVE27	1	9.696883	8.541689	13.41629	11.73535	23.0136	4.624662	6.69347	9.540632	4.494697	10.49621	13.28076	7.169933	0.539874
ZFYVE28	1	2.21012	3.204041	6.476913	5.676709	5.007248	2.474646	3.5496	6.668346	6.058183	9.244701	4.515006	5.599095	1.240108
ZFYVE9	1	11.30214	12.4319	7.708745	6.877474	6.385646	5.787006	12.71881	13.02276	8.186139	12.05569	8.941182	10.35408	1.158021
ZG16	1	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
ZG16B	1	0	0.057091	0	0	0.54875	0	0	0	0	0	0.121168	0	0
ZGLP1	1	0	0	0	0	0	0	0	0.142091	0	0.054836	0	0.039385	#DIV/0!
ZGPAT	1	7.219901	6.894331	13.93171	18.08558	13.4915	7.508993	6.19503	7.699964	11.66974	29.16913	11.9246	12.44857	1.04394
ZGRF1	1	0.490968	0.377759	0.600934	0.54935	0.336742	0.211764	0.183434	2.328603	1.01804	0.573998	0.471151	0.863168	1.832041
ZHX1	1	26.388	25.77649	14.18556	17.26864	13.0197	14.62388	14.39684	20.01691	26.9824	16.39768	19.32768	18.48354	0.956325
ZHX2	1	2.774046	2.212919	4.795165	5.703326	2.797583	1.523822	1.120413	2.105047	2.766455	2.956522	3.656608	2.094452	0.572785
ZHX3	1	5.000677	5.590394	13.9827	13.96798	5.259121	3.606758	3.3496	4.55757	4.47451	5.100149	8.760175	4.217717	0.481465
ZIC1	1	6.947774	0.390356	55.15866	11.77323	0.687873	4.462087	0.881413	242.2737	149.6859	411.9136	14.99158	161.8434	10.79562
ZIC2	1	5.890167	1.195829	26.12928	6.025172	1.895727	3.540469	1.406327	62.46859	39.34554	96.48401	8.227235	40.64899	4.940784
ZIC3	1	0.428359	0.151171	1.52022	1.218681	0.181629	2.311799	0.597346	3.182827	0.830424	1.668929	0.700012	1.718265	2.454621
ZIC4	1	0.39585	0.037983	7.057428	1.512437	0.028084	0.02708	0.010996	13.13919	21.32002	40.25624	1.806356	14.95071	8.27672
ZIC5	1	3.604202	0.773722	11.17236	1.735934	0.743688	2.803219	1.226458	46.35964	43.25383	23.06822	3.605981	23.34227	6.47321
ZIM2	1	0.021703	0.018382	0.011849	0	0	0.014197	0	0	0.448778	0.072154	0.010387	0.107026	10.3041
ZIM3	1	0	0	0.051111	0.028034	0	0	0	0	0	0	0.015829	0	0
ZKSCAN1	1	18.45631	21.50925	21.20109	19.95009	12.73127	5.316361	8.28981	10.24034	12.68243	9.575188	18.7696	9.220827	0.491264
ZKSCAN2	1	3.011133	3.16364	2.80279	2.261115	1.111178	0.966924	1.910002	1.897129	1.419827	1.170442	2.469971	1.472865	0.596308
ZKSCAN4	1	1.80421	2.492582	2.533542	1.557857	1.242648	0.718936	0.953599	1.917224	3.140602	2.872329	1.926168	1.920538	0.997077
ZKSCAN5	1	9.612675	8.674481	7.597974	8.059023	10.01101	2.389495	2.464225	3.88472	8.188343	3.338293	8.791033	4.053015	0.46104
ZKSCAN7	1	0.532708	0.453564	0.770715	0.519359	0.310096	0.984976	1.124835	4.117228	0.929552	0.91906	0.517288	1.61513	3.122301
ZKSCAN8	1	3.081169	4.187025	6.475513	6.188762	3.524058	4.521566	4.475816	7.021723	9.178691	5.654308	4.691306	6.170421	1.315289
ZMAT1	1	3.488752	4.546002	2.323835	3.214734	3.155775	0.936297	1.690781	1.849535	1.363013	1.463564	3.34582	1.460638	0.436556
ZMAT2	1	88.94834	75.80382	38.35822	40.78416	66.33557	156.7254	115.5022	86.38629	52.71904	65.08315	62.04602	95.2832	1.535686
ZMAT3	1	12.70344	16.69184	12.89597	12.70207	12.08199	26.20328	30.37336	10.62518	15.07179	7.855399	13.41506	18.0258	1.343699
ZMAT4	1	12.81452	13.69252	7.314983	10.04337	12.02245	4.800817	11.45422	0.680011	0.919068	0.378282	11.17757	3.646479	0.326232
ZMAT5	1	1.557527	1.022631	3.282919	3.384388	2.604775	10.42576	6.272973	3.370052	2.153402	8.038345	2.370448	6.052107	2.553149
ZMIZ1	1	9.25696	8.007723	20.55438	14.67387	10.51712	16.85087	13.57981	18.70715	18.80066	16.99587	12.60201	16.98687	1.347949

ZMIZ2	1	8.407096	9.884539	26.45651	26.60959	12.45287	9.335866	4.499934	7.146717	14.7063	34.63468	16.76212	14.0647	0.839076
ZMPSTE24	1	11.09454	12.73773	6.727677	7.394483	6.855716	7.639655	22.11929	15.58394	18.35846	6.65606	8.962029	14.07148	1.570122
ZMYM1	1	2.673225	2.762932	2.793666	2.376575	1.693502	1.982303	2.355316	3.979981	4.542333	4.443792	2.45998	3.460745	1.406818
ZMYM2	1	11.12098	11.7464	12.21351	11.28148	2.298621	7.149843	11.8835	9.580511	7.863283	6.994996	9.732199	8.694426	0.893367
ZMYM3	1	11.65341	10.38333	12.97648	14.15359	14.22487	15.56443	15.68249	16.21007	12.17607	12.25215	12.67834	14.37704	1.133985
ZMYM4	1	6.58177	7.504212	6.857641	5.114512	3.994879	5.527349	8.184455	12.7155	11.25746	7.978731	6.010603	9.1327	1.519432
ZMYM5	1	5.111581	6.74222	6.519378	6.834159	3.393505	9.530081	7.090205	11.19996	17.66633	11.21777	5.720169	11.34087	1.982611
ZMYM6	1	5.504858	6.545673	4.616599	3.71712	3.410546	5.212163	7.083313	11.03139	8.826396	5.12451	4.758959	7.455554	1.566636
ZMYND10	1	1.160906	0.961413	1.295858	2.225028	1.120113	8.235545	1.206024	1.600158	3.467513	0.900579	1.352663	3.081964	2.278441
ZMYND11	1	57.44292	58.85995	39.67803	45.83415	56.91606	83.06435	75.61	43.93324	53.65261	42.47907	51.74622	59.74785	1.154632
ZMYND12	1	0.396019	0.514988	0.524175	0.603767	0.618746	0	0.153004	0.589281	0	0.319183	0.531539	0.212293	0.399394
ZMYND15	1	0.876764	0.559938	1.307358	1.484864	1.870581	0.221509	0	2.250318	1.062805	1.296649	1.219901	0.966256	0.792078
ZMYND19	1	4.184341	5.086478	5.798809	7.293786	5.998117	7.566096	6.380622	3.413117	5.892975	12.70988	5.672306	7.192538	1.268009
ZMYND8	1	10.18037	9.919752	10.86801	11.12825	7.683307	4.691369	9.430157	13.41909	7.096712	7.524691	9.955938	8.432404	0.846972
ZNF10	1	2.058397	2.490343	1.979396	1.563548	1.325007	3.039617	3.87895	5.83942	4.008999	4.201582	1.883338	4.193713	2.226745
ZNF106	1	8.782569	11.23208	11.96386	10.50546	6.025555	17.78446	13.66821	10.43299	19.0973	10.13783	9.701905	14.22416	1.46612
ZNF112	1	2.483981	2.469164	2.796146	2.019699	1.296761	3.043437	4.502391	7.24693	8.529782	5.845336	2.21315	5.833575	2.635869
ZNF114	1	0.028356	0	0	0	0	0	0	0	0.586353	0	0.005671	0.117271	20.67855
ZNF12	1	5.415938	4.903898	6.572684	4.688785	1.423881	4.923794	9.906619	11.97087	10.53839	9.945513	4.601037	9.457036	2.055414
ZNF131	1	9.506971	10.36341	6.553342	5.944272	5.046444	4.091036	7.975494	12.9	9.036331	7.110884	7.482889	8.222748	1.098874
ZNF132	1	3.756176	3.436153	2.921581	3.506594	3.402421	0.658904	1.036727	0.406744	0.894967	1.281942	3.404585	0.855857	0.251384
ZNF133	1	1.53357	1.087453	2.134177	2.161742	3.329283	2.836982	1.621801	3.520995	1.5856	4.031459	2.049245	2.719367	1.327009
ZNF135	1	1.848815	1.728299	1.671176	1.298051	1.296078	1.720081	2.488138	4.048161	2.681467	2.953829	1.568484	2.778335	1.771351
ZNF140	1	1.875042	1.521233	1.604005	1.577136	2.709446	4.552105	5.559418	10.52286	7.838616	4.46162	1.857373	6.586924	3.546367
ZNF142	1	2.692081	2.213054	5.17858	5.786497	2.486104	3.909923	3.997609	6.634661	2.773287	5.631588	3.671263	4.589414	1.250091
ZNF143	1	6.657772	5.968639	5.683201	5.631815	5.561671	6.50043	9.502006	24.73454	56.09023	14.02013	5.90062	22.16947	3.757142
ZNF146	1	12.66814	11.67801	8.857334	8.679278	8.07316	13.11622	12.22152	14.68762	12.82198	6.671468	9.991186	11.90376	1.191426
ZNF148	1	7.105683	8.051885	5.216192	4.992987	3.297533	6.059231	10.72223	10.07696	10.29504	6.9435	5.732856	8.819392	1.538394
ZNF154	1	1.465244	1.425561	2.215737	2.330148	1.090673	1.643894	2.193181	3.413703	2.501393	1.858416	1.705473	2.322117	1.361568
ZNF157	1	0.139343	0.181949	0.22824	0.166919	0.047267	1.002691	0.527424	1.03536	1.575777	0.658713	0.152744	0.959993	6.284995
ZNF16	1	3.657417	3.109572	3.960318	4.538266	4.103254	2.277584	1.814019	1.860195	1.355688	1.817926	3.873765	1.825082	0.471139
ZNF165	1	1.213146	1.227842	0.274944	0.438708	1.614983	2.874925	3.696576	2.277535	7.514001	3.862083	0.953925	4.045024	4.240401
ZNF169	1	1.123582	0.361386	0.869722	0.911485	0.501739	0.446588	0.967111	0.974071	6.433477	1.997802	0.753583	2.16381	2.871362
ZNF174	1	4.48741	4.099596	3.418059	3.18948	5.463068	5.165819	5.533637	6.109224	6.479405	7.189689	4.131522	6.095555	1.475377
ZNF175	1	4.144632	3.874426	0.326297	0.324802	3.483769	12.62608	7.207974	18.5772	1.258685	1.480977	2.430785	8.230183	3.385813
ZNF177	1	4.141475	4.688036	3.96178	3.649035	5.121724	7.702223	7.262689	6.381606	6.875443	11.51754	4.31241	7.9479	1.84303
ZNF18	1	5.088212	4.772884	2.364032	2.477698	10.53354	2.453554	2.563867	3.492464	1.889056	2.189074	5.047274	2.517603	0.498805
ZNF180	1	2.029584	2.55322	1.62905	1.724716	1.977096	2.662935	1.843061	4.25904	3.527297	2.220394	1.982733	2.902546	1.463911
ZNF181	1	4.495248	4.718168	3.854791	4.592943	6.15313	4.013106	5.155365	4.715424	5.057857	2.824204	4.762856	4.353191	0.913988
ZNF182	1	2.95952	3.498711	3.846842	3.480927	2.76602	8.422552	10.11723	20.4967	9.706725	5.179815	3.310404	10.7846	3.257791
ZNF184	1	3.392227	3.185112	2.438558	3.572942	2.033992	6.631963	6.584356	3.684543	4.653786	1.534993	2.924566	4.617928	1.579013
ZNF185	1	1.750312	0.981915	3.640976	4.976802	2.072254	5.519713	4.161144	9.740842	1.05533	1.740734	2.684452	4.443553	1.655292
ZNF189	1	4.650655	4.643601	3.573065	3.957586	6.869167	4.498665	6.944621	7.73989	4.812536	4.10912	4.738815	5.620966	1.186154
ZNF19	1	0.652811	0.309325	0.478561	0.530447	0.817622	0.836176	1.154376	2.147287	2.289199	7.520444	0.557753	2.789496	5.001308
ZNF197	1	3.243578	2.770676	2.146181	2.362297	2.801866	4.447825	7.604964	14.17447	16.75096	6.010019	2.66492	9.797648	3.676526
ZNF2	1	1.699564	1.464337	1.410882	1.489478	1.85362	1.563181	1.146426	1.621727	3.495301	0.869898	1.583576	1.739307	1.098341

ZNF200	1	2.725655	1.932596	2.120148	2.020153	2.887687	1.986573	3.213303	3.875973	3.377895	2.151683	2.337248	2.921085	1.249797
ZNF202	1	1.474883	1.174303	1.089144	1.13123	1.497281	2.165635	3.269334	4.812678	2.002146	1.913774	1.273368	2.832713	2.224583
ZNF205	1	6.093832	6.43978	6.912266	10.75967	8.460615	14.47987	9.278028	8.929758	5.93078	31.83709	7.733233	14.0911	1.822149
ZNF207	1	13.5244	17.02856	18.29639	15.83061	12.13855	11.88656	15.1918	17.62227	16.57445	11.81252	15.3637	14.61752	0.951432
ZNF212	1	2.502775	2.303553	3.473012	4.396618	4.169709	0.807642	0.969551	2.219678	1.040625	1.974261	3.369133	1.402351	0.416235
ZNF213	1	1.426789	1.523711	2.98057	2.935264	3.984062	3.516996	1.900401	2.778951	2.565559	5.199051	2.570079	3.192192	1.24206
ZNF214	1	1.55391	2.254062	0.804536	0.681986	0.272638	0.806202	2.789605	2.683098	2.527673	1.358363	1.113426	2.032988	1.825885
ZNF215	1	0.119652	0.210192	0.077427	0.18049	0.240515	0.092767	0.659176	1.065136	0.343642	0.058934	0.165655	0.443931	2.679853
ZNF217	1	1.457257	0.907289	2.028048	1.745639	1.17031	1.65631	1.079006	1.015705	2.37332	0.479864	1.461709	1.320841	0.903628
ZNF219	1	1.73044	1.567358	12.22762	7.20203	3.606024	7.850557	2.899008	7.433353	10.65551	43.37433	5.266695	14.44255	2.742242
ZNF22	1	4.165756	4.481761	5.34759	5.531048	4.556314	3.860899	2.851567	6.081647	4.30709	2.273051	4.816494	3.874851	0.804496
ZNF226	1	11.01923	9.257181	6.790578	7.193871	16.20875	4.340805	4.519607	7.173534	3.641188	3.327678	10.09392	4.600562	0.455776
ZNF227	1	1.435779	1.551853	1.410854	1.227868	0.866392	4.992982	6.784313	13.3855	3.716054	2.04844	1.298549	6.185458	4.76336
ZNF23	1	6.696545	6.055709	4.381937	5.172961	9.991267	5.569924	5.129228	10.13404	8.371674	8.795464	6.459684	7.600067	1.176539
ZNF232	1.13E-08	0	0.01492	0.245263	0.031653	0.143412	8.85028	5.993984	8.809591	8.059558	6.64374	0.08705	7.671431	88.12686
ZNF233	1	0	0.014149	0.109451	0	0.135998	0.295056	0.292857	0.550466	0.12954	0.093723	0.05192	0.272328	5.245203
ZNF235	1	1.40781	1.804429	2.159767	3.119336	1.523446	2.689375	3.597172	5.837074	2.053877	1.134232	2.002958	3.062346	1.528912
ZNF236	1	2.078203	2.128146	3.678089	2.998436	1.660803	4.50475	3.966984	6.844608	7.579672	5.793155	2.508735	5.737834	2.287142
ZNF239	1	20.81309	22.27732	13.98277	14.22544	22.13549	6.612805	5.139268	7.862613	8.820722	7.793316	18.68682	7.245745	0.387746
ZNF24	1	11.82209	13.40138	18.77077	19.03428	3.77069	12.19785	18.93031	23.86361	20.68094	9.611913	13.35984	17.05692	1.276731
ZNF248	1	3.835451	5.03001	4.098168	3.27431	2.710845	10.55168	11.16871	11.0968	10.16268	9.643683	3.789757	10.52471	2.777147
ZNF25	1	6.996085	7.82971	7.776912	6.081263	6.31339	18.91257	13.41064	18.02967	14.59349	6.122988	6.999472	14.21387	2.030706
ZNF260	1	3.661424	3.461135	3.480864	2.98472	3.134729	3.183369	3.865313	5.336018	7.846449	2.017493	3.344574	4.449728	1.330432
ZNF263	1	5.633073	5.218282	4.62966	5.927528	9.388314	4.705536	6.769501	9.387524	5.263935	4.909691	6.159372	6.207238	1.007771
ZNF266	1	10.70457	9.81759	1.928831	1.911969	16.40124	1.503533	2.713321	6.29758	0.825131	3.290049	8.152841	2.925923	0.358884
ZNF268	1	2.791837	2.242958	2.823564	2.764492	2.796557	3.072475	3.244965	8.046642	2.938218	3.976486	2.683882	4.255757	1.585672
ZNF274	1	1.281308	0.698158	1.720372	2.054457	1.379996	1.930768	0.67803	1.391589	1.108279	1.765298	1.426858	1.374793	0.963511
ZNF275	1	5.845222	5.478499	6.483153	7.467889	5.145624	3.449145	3.920244	7.602187	6.158039	4.674258	6.084077	5.160775	0.848243
ZNF276	1	2.870672	2.941694	3.648878	3.684386	4.451463	1.748729	1.387838	2.47303	3.533414	3.964055	3.519419	2.621413	0.744843
ZNF277	1	16.1501	17.85327	7.713907	9.62928	22.6071	16.31734	20.31655	15.14062	15.3632	6.357398	14.79073	14.69902	0.993799
ZNF280A	1	0	0	0	0	0	0.608209	0.345741	0.540647	0	0	0	0.298919	#DIV/0!
ZNF280B	1	2.387466	2.77522	0.025476	0.037263	2.163116	1.48549	2.313532	3.939325	0.582944	0.297334	1.477708	1.723725	1.166485
ZNF280C	1	0.758207	0.654488	0.618581	0.662919	0.496644	0.79815	1.28707	2.511369	3.153747	2.064437	0.638168	1.962955	3.075921
ZNF280D	1	4.248989	4.948359	4.121637	3.327169	2.303709	4.397148	7.118575	12.73085	15.37151	5.800394	3.789973	9.083696	2.396771
ZNF281	1	6.017148	6.65633	4.412958	4.362239	6.795351	5.645624	6.354466	7.129036	4.868966	4.176616	5.648805	5.634942	0.997546
ZNF282	1	5.076022	4.906338	6.126613	8.083309	7.318127	4.311734	3.945579	5.328494	4.404698	7.656371	6.302082	5.129375	0.813918
ZNF283	1	2.099872	3.290648	2.731012	1.912476	0.757648	1.564023	2.013805	3.150506	3.842144	0.993604	2.158331	2.312816	1.071576
ZNF285	1	0.070446	0.214798	0.092311	0.118141	0	7.225864	7.963722	2.767365	0.400598	0.632365	0.099139	3.797983	38.30956
ZNF286A	1	4.164224	4.457662	6.941417	6.027908	4.193726	2.231068	1.836079	6.197611	2.459727	3.125805	5.156987	3.170058	0.614711
ZNF287	1	3.699442	4.131564	3.289256	2.799051	2.031622	0.765233	1.715155	1.972664	1.935155	1.691777	3.190187	1.615997	0.506552
ZNF292	1	4.694812	5.346168	5.48888	3.930652	1.698394	6.704657	8.299063	30.63565	20.16486	11.44166	4.231781	15.44918	3.65075
ZNF296	1	0	0.026282	0.559088	0.083634	0.126308	0	0	0	0.721861	0.696359	0.159062	0.283644	1.783227
ZNF3	1	8.071783	5.354987	5.207086	6.908807	6.777279	5.99478	3.863475	7.951989	5.680819	5.269774	6.463988	5.752167	0.889879
ZNF300	3.29E-13	0.502099	0.594024	0.365521	0.630102	0.291971	22.36628	13.98446	24.74795	9.393847	5.524624	0.476743	15.20343	31.89018
ZNF304	1	2.982991	2.72106	4.253051	2.579898	1.981729	1.705763	1.753446	1.887356	1.770321	1.796938	2.903746	1.782765	0.613954
ZNF311	1	2.635708	4.673621	3.086456	1.804837	3.011	2.057823	1.497393	1.720568	2.234044	1.177872	3.042324	1.73754	0.571123

ZNF316	1	2.950842	2.950565	4.145306	5.748645	1.782946	2.614003	1.853358	2.065452	1.549314	3.851414	3.515661	2.386708	0.678879
ZNF317	1	6.781335	5.729116	5.212689	5.224937	2.895602	1.738934	1.720448	2.660948	5.129119	6.651676	5.168736	3.580225	0.692669
ZNF318	1	6.106134	5.517084	7.859827	6.940479	3.17895	4.386035	8.20617	12.31655	11.31103	7.926	5.920495	8.829156	1.491287
ZNF319	1	0.668604	0.582377	1.630453	1.540777	1.196021	1.490616	0.554284	0.844613	0.898985	2.118221	1.123647	1.181344	1.051348
ZNF32	1	10.86721	10.56649	7.361342	8.358915	18.90543	28.7898	18.44507	22.7832	18.12431	13.54869	11.21188	20.33822	1.813988
ZNF322	1	5.011839	5.271816	3.558604	4.084147	6.202993	5.375043	4.561901	3.991621	3.393372	1.925581	4.82588	3.849504	0.797679
ZNF326	1	26.5004	27.60141	27.49708	31.36799	31.13792	23.652	24.73641	26.34061	30.47222	19.15638	28.82096	24.87153	0.862967
ZNF329	0.313225	4.650786	3.693238	4.088732	5.230491	6.221927	0.589099	1.183404	2.113016	1.286371	1.191682	4.777035	1.272714	0.266423
ZNF330	1	7.324155	4.579293	4.152518	3.788319	6.291667	8.275155	11.93542	12.31003	10.88255	10.43357	5.22719	10.76734	2.059872
ZNF331	1	8.882027	7.468913	6.567228	5.642594	8.301586	3.775002	3.065617	4.312503	4.942128	4.016282	7.37247	4.022306	0.545585
ZNF333	0.171843	5.761082	5.739168	5.234591	6.020876	6.554704	0.535489	0.606171	1.105871	0.801472	1.654556	5.862084	0.940712	0.160474
ZNF335	1	5.668804	5.499806	11.61669	13.45195	9.361182	13.71492	6.49544	7.14124	7.856507	17.08851	9.119686	10.45932	1.146895
ZNF33B	1	1.843362	2.171622	2.041393	1.530744	1.20308	2.399159	1.875401	2.362522	3.264018	2.160741	1.75804	2.412368	1.372192
ZNF34	1	7.389442	8.073186	8.675523	7.995859	11.58344	4.475494	3.603008	5.415449	3.712898	3.550954	8.74349	4.151561	0.474817
ZNF341	1	1.796152	1.769804	2.586498	2.250179	2.592435	3.127042	1.725893	2.478227	2.959508	2.688413	2.199014	2.595817	1.180446
ZNF345	1	0.055792	0	0.076154	0.033416	0	0	0.029639	0.054071	0.180264	0.313012	0.033072	0.115397	3.489229
ZNF346	1	4.864505	3.96412	3.960586	3.412385	5.406993	5.29517	3.622024	5.994347	7.564437	9.833099	4.321718	6.461816	1.495196
ZNF35	1	2.636308	2.172464	2.294426	2.064858	1.39107	1.341342	2.094773	2.853471	2.213218	2.266125	2.111825	2.153786	1.019869
ZNF350	1	1.568493	1.45721	2.220618	1.698646	0.915615	4.032634	4.708787	7.306053	3.889271	2.41787	1.572117	4.470923	2.843888
ZNF354A	1	5.66691	5.606672	4.708379	5.128161	8.307534	15.50535	13.53405	25.63016	17.89596	8.375872	5.883531	16.18828	2.751456
ZNF354C	1	2.738435	2.720226	2.647738	2.248476	0.95235	0.97396	1.00562	2.171297	1.869237	1.882752	2.261445	1.580573	0.698922
ZNF358	1	9.650463	9.158755	20.55867	26.69262	26.99205	52.15765	9.162292	8.217284	9.732857	43.27916	18.61051	24.50985	1.316989
ZNF362	1	6.632249	5.706235	7.373509	7.464893	9.798598	16.2014	8.268656	10.75174	9.703119	13.86925	7.395097	11.75883	1.590085
ZNF365	1	18.23551	17.64143	7.25596	11.26377	15.00375	16.50137	37.72385	7.857472	6.546146	6.70044	13.88008	15.06586	1.08543
ZNF366	1	0.70114	0.562452	1.890317	1.262733	0.026244	3.340324	0.698706	0.724823	0.449955	0.659126	0.888577	1.174587	1.321874
ZNF367	1	4.146188	3.859089	2.794456	2.409657	1.994869	2.462796	4.078424	3.521517	9.095264	7.066191	3.040852	5.244839	1.724793
ZNF382	1	4.02791	3.333481	2.507744	2.664557	2.887589	2.170861	2.554957	2.858839	5.283406	1.449076	3.084256	2.863428	0.928401
ZNF383_1	1	1.036637	0.827914	0.948422	1.303311	0.912354	3.763332	3.324048	3.825605	6.348773	6.233151	1.005728	4.698982	4.67222
ZNF383_2	1	4.724619	3.702849	4.290514	3.422272	4.373803	7.457466	4.894845	7.25837	3.289986	4.116682	4.102811	5.40347	1.317016
ZNF384	1	4.94658	5.15773	8.690156	8.680854	8.365489	11.71496	7.870828	14.23049	6.423655	13.39468	7.168162	10.72692	1.496468
ZNF385A	1	9.229386	10.25948	25.18142	22.36363	17.94572	17.92344	13.32609	10.73717	18.07913	44.91234	16.99593	20.99563	1.235333
ZNF385B	1	6.275675	8.789464	11.16398	7.124516	11.06123	7.137376	15.34018	34.42589	26.95629	20.03779	8.882973	20.7795	2.339251
ZNF385D	1	8.298345	9.652377	19.83121	8.331882	9.925071	9.363572	13.5462	28.66352	39.81623	20.68864	11.20778	22.41563	2.000007
ZNF389	1	0.295297	0.546908	0.257967	0.198091	0.224375	0.618154	0.903587	1.709519	0	0.215988	0.304528	0.68945	2.263998
ZNF391	1	0.871969	0.847427	0.833152	0.607633	0.386789	0.789802	0.623569	1.289294	0.801862	0.473876	0.709394	0.795681	1.121634
ZNF394	0.076731	3.178577	4.121996	4.034324	4.429173	3.990955	1.08621	0.617465	1.095824	0.383211	0.724558	3.951005	0.781454	0.197786
ZNF395	1	3.544736	2.684334	5.568493	5.285009	3.834573	3.109875	2.173086	7.348578	6.304801	10.37224	4.183429	5.861715	1.401175
ZNF397	1	11.34933	10.37424	7.807613	8.288682	10.58728	9.055514	8.051928	11.18001	10.91792	9.124515	9.68143	9.665977	0.998404
ZNF398	1	5.747402	6.559719	4.808053	5.446595	4.298264	1.04486	1.22186	2.339186	1.995479	3.168474	5.372007	1.953972	0.363732
ZNF404	1	0.299376	0.608558	1.460212	1.661611	0.433285	1.671184	1.102677	2.579071	2.321502	1.526168	0.892608	1.84012	2.061509
ZNF407	1	1.804412	1.380078	2.018558	1.825907	0.610576	0.669558	1.293719	1.847116	1.402644	1.408094	1.527906	1.324226	0.866694
ZNF408	1	3.75243	3.271656	7.513366	8.436563	10.38618	2.908078	1.44615	1.774998	1.517037	3.041053	6.672039	2.137463	0.320361
ZNF41	1	2.522405	3.298142	4.032993	2.212081	2.187851	1.61068	1.919358	2.04908	2.663327	0.828606	2.850694	1.81421	0.63641
ZNF410	1	4.656703	4.367144	2.809594	2.662235	7.003002	9.413412	8.888546	7.844142	4.12176	4.078588	4.299736	6.86929	1.597607
ZNF414	1	5.167441	6.87171	13.23025	15.64481	6.993061	5.013176	3.870429	5.509355	6.137896	15.67733	9.581454	7.241637	0.755797
ZNF419	1	4.312647	3.709456	2.801964	2.907084	3.942982	1.536991	1.067509	1.697835	2.597067	3.841484	3.534827	2.148177	0.607718

ZNF420	1	2.265088	1.953832	2.175128	1.847522	1.43629	1.638108	2.86615	5.059731	9.679614	3.718029	1.935572	4.592327	2.372594
ZNF423	1	2.293484	1.135476	7.413141	4.140806	0.975886	4.647388	3.314006	10.59341	10.07327	15.83575	3.191758	8.892764	2.786164
ZNF428	1	20.53939	24.33383	38.96843	48.05646	106.0024	35.82979	16.93991	22.84503	18.18171	56.00907	47.5801	29.9611	0.629698
ZNF432	1	5.991875	6.602467	4.109609	3.912026	4.939453	1.507148	2.311207	3.396295	4.2496	2.068325	5.111086	2.706515	0.529538
ZNF436	1	11.50868	11.02114	6.435367	7.84062	13.46887	12.49326	17.39889	23.69353	9.357219	17.07006	10.05494	16.00259	1.591516
ZNF438	1	0.672228	0.454553	0.434998	0.526897	0.281513	0.781775	0.458515	0.461144	0.793713	0.924324	0.474038	0.683894	1.4427
ZNF444	1	2.94062	3.391089	7.625149	8.683993	1.95278	0.092986	0.037756	0.045921	0.734837	6.217435	4.918726	1.425787	0.289869
ZNF445	1	7.227367	8.50695	6.950283	5.93693	5.517677	7.428796	9.043458	12.34067	8.400706	6.112773	6.827841	8.665281	1.26911
ZNF446	0.000234	1.846392	1.960032	2.547162	3.549909	2.137813	0.112732	0.117705	0.063625	0.34999	0.225083	2.408262	0.173827	0.072179
ZNF449	1	2.33158	1.935305	1.88407	2.164564	0.759257	1.098173	1.907479	3.464856	2.712021	1.298415	1.814955	2.096189	1.154954
ZNF45	1	3.600573	4.093392	3.490503	3.843504	5.679159	11.70979	14.3537	17.8316	20.0167	15.28922	4.141426	15.8402	3.824818
ZNF451	1	1.952746	2.01801	2.250943	2.025588	1.165594	0.923497	1.703886	2.393077	2.255584	1.674635	1.882576	1.790136	0.950897
ZNF461	1	1.668838	1.820446	2.3019	2.772732	1.654439	1.243791	0.30741	0.948062	1.842981	0.584035	2.043671	0.985256	0.482101
ZNF462	1	4.424371	3.778109	8.076445	5.92526	2.126969	3.428783	3.060975	8.622829	6.523796	4.904864	4.866231	5.308249	1.090834
ZNF467	1	1.643075	1.29279	2.661895	3.170139	2.046646	3.982207	1.216284	2.419074	4.316674	25.09697	2.162909	7.406241	3.424204
ZNF469	1	0.139556	0.216368	0.35386	0.348513	0.186145	0.049515	0.007539	0.042792	0.715338	1.01249	0.248888	0.365535	1.468672
ZNF470	1	5.052073	7.054693	5.376656	6.234363	9.618527	1.888511	2.470846	4.082839	8.001041	3.7992	6.667262	4.048487	0.607219
ZNF473	1	3.185777	3.480446	4.211826	3.647403	2.999133	0.504631	0.764439	0.6997	1.22705	1.270012	3.504917	0.893166	0.254832
ZNF48	1	4.134156	4.057931	4.969254	5.808689	6.596282	3.351046	4.861404	4.916473	4.467249	8.877212	5.113262	5.294677	1.035479
ZNF483	1	0.340191	0.423922	2.71566	1.419268	0.063667	1.166423	0.17449	0.212222	1.516089	1.345525	0.992541	0.88295	0.889585
ZNF484	1	8.964119	15.40631	11.03628	6.993019	10.28866	1.933603	2.97139	6.463914	1.175428	2.41899	10.53768	2.992665	0.283997
ZNF488	1	0.255216	0.381463	0.311478	0.29673	0.285177	0.353549	0.366864	0.135798	0.116415	0.399298	0.306013	0.274385	0.896645
ZNF496	1	6.704782	6.10393	5.562697	4.415146	7.420133	3.018772	3.494176	6.631155	5.363787	6.108278	6.041337	4.923234	0.814924
ZNF500	1	1.11939	0.858363	2.837064	1.407128	0.075004	0	0.58732	0.392877	0.428655	0.849995	1.25939	0.451769	0.358721
ZNF502	1	2.230679	2.031548	0.979179	1.06089	1.396922	2.317395	2.893449	5.908117	2.718416	1.453809	1.539844	3.058237	1.98607
ZNF503	1	2.245218	2.095302	2.12304	3.17424	2.972743	1.13626	1.279251	0.510122	1.505079	0.828489	2.522109	1.05184	0.417048
ZNF507	1	2.559891	3.35763	3.216568	3.321517	2.290644	2.988707	3.598039	5.081678	4.946455	2.685644	2.94925	3.860104	1.308843
ZNF511	1	13.11202	13.85571	4.979355	5.228517	27.1798	8.589043	3.22359	2.659623	1.23828	4.542176	12.87108	4.050542	0.314701
ZNF512	1	24.64823	22.64954	15.20134	14.98764	20.10978	18.22717	17.37525	28.15349	20.6646	16.36271	19.51931	20.15664	1.032652
ZNF512B	1	8.622748	8.153337	11.95317	13.05588	12.26004	6.286244	4.917372	6.363651	5.688188	11.89686	10.80903	7.030463	0.650425
ZNF513	1	2.952664	3.48934	5.074232	6.291183	10.17989	16.80328	9.874249	11.13374	9.759082	20.4513	5.597462	13.60433	2.430446
ZNF514	1	1.22444	1.164435	0.854515	0.84917	0.499658	1.011773	1.897606	2.593458	2.451056	0.69633	0.918444	1.730045	1.88367
ZNF516	1	1.352071	1.119548	2.598107	2.386532	1.199256	0.462554	0.548221	1.160667	2.556309	1.393825	1.731103	1.224315	0.707246
ZNF518A	1	2.018945	2.372797	1.979056	1.600135	0.917372	2.715165	1.745994	4.841677	10.59499	4.089832	1.777661	4.79753	2.698788
ZNF518B	1	3.321679	3.938751	3.943127	3.125455	3.002225	1.836476	2.732284	3.690032	3.822128	2.484782	3.466247	2.913141	0.840431
ZNF521	1	1.604359	2.013601	9.307637	4.831953	1.846712	3.382329	2.116601	44.69633	25.11771	46.05279	3.920852	24.27315	6.190784
ZNF524	1	1.739724	1.401702	3.599516	4.155822	2.236282	1.916747	0.864755	0.946572	1.420065	3.551581	2.626609	1.739944	0.66243
ZNF526	1	1.494995	1.183322	2.055208	2.462413	1.593792	1.886095	1.872037	2.483827	1.311099	3.095382	1.757946	2.129688	1.211464
ZNF527	1	5.744863	5.587953	3.777704	3.949464	4.423711	2.990016	4.778318	5.947037	6.232426	2.239342	4.696739	4.437428	0.944789
ZNF529	1	2.268896	2.122564	2.110151	1.929015	1.839284	2.641434	4.586353	4.136983	4.82097	1.757978	2.053982	3.588744	1.747213
ZNF532	1	9.198179	9.970455	15.40889	13.69123	13.3454	13.22578	9.729829	15.75004	9.677649	12.81353	12.32283	12.23937	0.993227
ZNF536	1	1.511616	1.649493	3.567139	3.477675	1.606888	2.367209	1.730134	6.963167	6.564526	5.577946	2.362562	4.640596	1.964222
ZNF541	1	0.075084	0.081107	0.071296	0.168154	0	0.529616	0.180361	0.700272	0.303777	0.070548	0.079128	0.356915	4.510582
ZNF543	0.008576	1.209161	3.202166	2.192911	1.999025	1.30483	0	0.090155	0.146199	0.328996	0.152809	1.981619	0.143632	0.072482
ZNF548	1	2.175924	1.817945	1.752483	1.474279	1.082091	2.859712	3.347496	4.50393	5.497121	2.708742	1.660544	3.7834	2.27841
ZNF550	3.11E-07	1.083755	1.163232	1.807937	1.328503	0.625918	0.066142	0.261849	0.236811	0.130673	0.126057	1.201869	0.164306	0.136709

ZNF554	1	1.812262	1.835513	1.064908	1.362895	1.631943	0	0	0	0	0.081056	1.541504	0.016211	0.010516
ZNF555	1	3.180118	3.258281	2.833921	2.290376	4.561653	1.440472	1.598008	2.858172	3.404896	3.162045	3.22487	2.492719	0.772967
ZNF557	1	2.336804	2.500405	2.898879	2.07438	1.808562	1.897141	2.429466	3.747561	3.589532	2.364105	2.323806	2.805561	1.207313
ZNF565	1	2.059109	2.265739	0.461232	0.252984	1.801177	4.065667	4.680024	4.385974	0.896819	0.288378	1.368048	2.863372	2.093035
ZNF566	1	2.560271	2.109634	1.803132	1.738262	0.950504	5.804665	8.116367	8.082502	3.147245	1.802225	1.832361	5.390601	2.941888
ZNF567	1	1.692139	2.404427	1.746256	1.793118	1.904885	2.432834	4.840378	7.941509	3.893227	0.811413	1.908165	3.983872	2.087803
ZNF568	1	4.550023	5.328677	4.850237	4.83763	3.568621	4.866292	3.414693	7.878403	5.444901	2.401161	4.627037	4.80109	1.037616
ZNF569	1	3.382339	3.178292	2.693717	2.55388	1.989837	2.284701	2.575899	3.154813	3.483946	1.409167	2.759613	2.581705	0.935532
ZNF570	1	2.433413	2.405391	1.743612	1.513949	1.343081	1.711341	2.817065	3.5252	3.914074	0.969659	1.887889	2.587468	1.370561
ZNF572	1	3.425489	3.12153	3.257786	3.293892	2.399507	0.564324	1.069317	2.257371	3.214666	2.073372	3.099641	1.83581	0.592265
ZNF574	1	2.598687	3.291455	7.562903	8.696273	4.949328	7.486119	4.255548	5.160352	4.282945	10.15569	5.419729	6.268131	1.15654
ZNF575	1	4.995007	4.525377	6.208087	6.257343	5.958028	0.451477	0.119157	0.122627	0.222991	2.330393	5.588768	0.649329	0.116185
ZNF576	1	8.126604	8.916525	14.69122	14.03245	21.49976	10.4545	9.211858	21.91591	17.9849	19.94742	13.45331	15.90292	1.182082
ZNF579	1	1.055106	1.610958	7.189445	8.452993	10.4908	2.562075	1.022373	1.068929	3.054528	12.15128	5.759861	3.971837	0.689572
ZNF580	1	0.503181	2.610855	4.306606	6.483711	0.553568	0.355853	0.49127	0.421765	2.601262	11.55211	2.891584	3.084452	1.0667
ZNF581	1	0.097436	0.24758	1.64918	0.992108	0	1.274793	0.207048	0.503638	2.644484	4.980637	0.597261	1.92212	3.218225
ZNF582	1	2.042457	1.42787	1.27447	1.363132	1.794733	1.628777	1.529375	3.544213	2.212313	0.695217	1.580532	1.921979	1.216033
ZNF583	1	4.760545	6.442727	5.908784	5.960207	10.16348	1.695086	1.677311	2.757528	1.801096	1.637924	6.647149	1.913789	0.287911
ZNF584	1	0.501255	0.538679	0.98878	1.026576	0.745938	0.465412	0.137438	0.626837	0.668724	0.967648	0.760246	0.573212	0.753982
ZNF585A	1	2.188851	2.764846	3.777078	2.427788	1.891943	8.683153	9.934039	12.22183	9.471549	5.471377	2.610101	9.156389	3.508059
ZNF592	1	1.83516	1.765427	4.679811	4.40094	2.058021	5.148341	4.484947	8.607426	4.271976	6.291591	2.947872	5.760856	1.954243
ZNF593	1	5.247599	4.536761	3.893297	6.075528	19.75921	16.03069	8.483208	4.217884	4.023798	7.471118	7.902479	8.045339	1.018078
ZNF594	0.03033	0.090163	0.006788	0.065637	0.036002	0.016311	0.141555	0.613091	1.468028	1.926581	1.253999	0.04298	1.080651	25.14297
ZNF596	1	2.127578	2.332652	1.80236	1.760028	2.161843	3.719758	4.419627	8.346534	11.66465	6.756291	2.036892	6.981373	3.427463
ZNF597	1	0.136129	0.131769	0.063707	0.180539	0	0.432532	1.714936	1.068014	1.382337	1.204192	0.102429	1.160402	11.32887
ZNF598	1	5.064319	4.498573	9.843523	10.37781	4.943815	2.507457	2.65188	4.636391	2.764958	7.159042	6.945609	3.943946	0.567833
ZNF599	1	1.259467	1.7291	2.184322	2.149663	0.915876	0.883135	1.548059	2.616782	1.97883	2.018393	1.647685	1.80904	1.097928
ZNF605	1	6.183442	7.402186	6.168115	4.885598	4.96763	6.792941	6.163123	8.955658	9.654209	4.411284	5.921394	7.195443	1.21516
ZNF606	1	6.371384	5.741434	7.021649	6.215385	1.950649	7.831458	8.803737	16.78737	10.3036	7.0935	5.4601	10.16393	1.861492
ZNF608	1	4.603755	3.463162	4.283671	4.416108	2.144231	10.96948	9.010709	18.68113	9.772081	5.613027	3.782186	10.80929	2.857947
ZNF609	1	7.932429	6.810476	9.87576	7.234232	1.639967	7.563903	10.30938	22.6635	15.75206	12.51192	6.698573	13.76015	2.054192
ZNF613	1	3.800237	3.441597	5.078641	3.284093	3.420925	2.049637	2.938841	4.365109	2.942132	3.672353	3.805098	3.193615	0.839299
ZNF614	1	3.048321	2.879772	2.640561	2.168117	2.018323	0.65192	1.261249	1.33513	1.23115	1.437367	2.551019	1.183363	0.463879
ZNF618	1	1.149971	0.753632	2.051703	1.47509	0.592869	1.850148	1.616426	3.700929	3.275362	1.901731	1.204653	2.468919	2.049486
ZNF621	1	2.319846	2.090278	1.670851	1.759003	0.334856	3.616323	3.251409	5.070671	1.403409	1.989717	1.634967	3.066306	1.875454
ZNF622	1	12.89644	13.68859	13.56963	14.04159	16.38279	13.39991	9.134761	8.924457	32.48489	19.03664	14.11581	16.59613	1.175712
ZNF623	1	5.23517	4.724384	5.906406	5.337532	6.638209	2.014873	2.115147	3.870915	2.669985	4.659598	5.56834	3.066104	0.550631
ZNF624	1	1.92451	2.152529	1.49054	1.473073	2.227483	1.399726	0.836189	2.129353	2.701811	2.202629	1.853627	1.853941	1.00017
ZNF628	1	0.355819	0.50129	1.431084	1.671171	0.267684	0.626851	0.666263	0.555398	1.566267	3.648493	0.845409	1.412654	1.670971
ZNF629	1	5.08915	4.85146	5.057332	5.378867	5.453327	4.694239	4.29287	5.606373	4.238071	3.62376	5.166027	4.491063	0.869346
ZNF638	1	32.21748	37.50503	29.92944	28.86547	28.90049	26.43327	37.53546	58.74582	38.03005	30.99339	31.48358	38.3476	1.218019
ZNF639	1	2.33069	3.374867	4.558952	3.237816	2.324423	1.294991	1.532519	2.891516	3.695556	5.375621	3.16535	2.958041	0.934507
ZNF641	1	2.302979	2.274831	2.092424	1.896177	2.09125	4.001843	3.989578	5.721223	4.752998	1.998244	2.131532	4.092777	1.92011
ZNF644	1	7.116889	9.440976	9.605229	8.660253	2.515214	5.364195	8.465189	13.72444	16.27255	7.631309	7.467712	10.29154	1.378138
ZNF646	1	1.142947	1.290737	2.24594	2.705582	1.028926	0.699497	0.956411	1.635562	0.465357	2.802326	1.682826	1.311831	0.77954
ZNF648	1	0	0	0	0	0	0	0.023545	0.057272	0	0	0	0.016163	#DIV/0!

ZNF652	1	2.792785	2.952633	4.507598	3.921145	2.318952	5.030084	3.959733	6.642015	7.338129	5.676861	3.298623	5.729364	1.736896
ZNF653	1	6.043733	5.435079	8.494584	8.663125	4.152371	5.189456	2.615755	6.649965	7.645258	21.20181	6.557779	8.660448	1.320638
ZNF654	1	1.591643	2.347634	0.813315	0.464433	0.297637	1.02785	2.596243	3.790495	0.553822	0.665701	1.102932	1.726822	1.565665
ZNF655	1	0.476441	0.344192	0.604425	0.432241	0.380266	1.228352	1.191074	1.249442	1.394508	1.013299	0.447513	1.215335	2.715755
ZNF664	1	37.18414	33.11846	41.45331	46.14582	37.07103	22.69715	23.01048	36.25289	36.83233	24.06587	38.99455	28.57174	0.732711
ZNF667	1	13.64415	12.93149	7.465124	9.070656	6.969701	11.85103	14.25445	20.04835	10.99507	4.727208	10.01622	12.37522	1.235518
ZNF668	1	1.29434	1.483632	1.272055	1.721036	1.580587	0.880582	0.852627	1.137351	1.605905	3.50715	1.47033	1.596723	1.085962
ZNF672	1	1.019448	1.151269	2.123963	2.263546	3.391502	3.571619	1.830911	2.425252	2.293299	7.984061	1.989946	3.621029	1.819662
ZNF674	1	2.098801	2.334508	1.389896	1.740975	1.457547	0.047242	1.774347	1.341476	2.66001	3.128762	1.804345	1.790367	0.992253
ZNF677	1	1.722066	1.520699	2.771208	2.691014	0.474339	1.287448	2.036004	1.037354	3.848808	1.452848	1.835865	1.932492	1.052633
ZNF683	1	0.012533	0	0.027372	0	0	0	0	0	0	0	0.007981	0	0
ZNF684	1	0.698995	0.692437	0.214256	0.161588	0.266223	2.567065	4.117226	3.613023	3.74034	2.140457	0.4067	3.235622	7.955796
ZNF687	1	1.777664	1.454199	4.448341	4.962256	2.087834	4.471421	3.811865	6.907106	7.87106	16.20241	2.946059	7.852771	2.665518
ZNF688	1	0.871107	0.604149	1.220058	1.979236	2.158342	2.105962	1.146852	2.08003	1.419521	3.990064	1.366578	2.148486	1.572165
ZNF689	1	2.018081	1.786267	2.441943	2.188769	0.468702	1.665067	1.777142	3.289127	2.25573	5.455204	1.780753	2.888454	1.622041
ZNF691	1	2.422112	2.083701	2.451032	2.400138	2.322854	1.725489	1.226086	1.98282	1.048917	1.496709	2.335968	1.496004	0.640422
ZNF692	1	5.298538	3.645224	7.830916	7.222546	19.21264	5.258945	2.183882	5.745087	3.187807	4.188832	8.641972	4.112911	0.475923
ZNF696	1	2.862108	3.72472	6.29538	2.857085	5.085418	4.885795	6.501772	5.512493	3.980846	4.735122	4.164942	5.123205	1.230078
ZNF697	1	9.616051	8.262553	2.963656	3.691528	5.532787	5.30002	8.061232	2.582826	2.367215	2.36137	6.013315	4.134532	0.687563
ZNF699	0.001377	1.159367	1.060714	1.085148	1.033768	0.153759	5.4743	3.977876	6.600914	9.598629	7.277925	0.898551	6.585929	7.329497
ZNF7	1	2.595979	2.368536	2.868011	3.109707	1.993569	1.195215	2.887578	4.230116	1.948104	1.664143	2.58716	2.385031	0.921872
ZNF70	5.15E-07	3.239675	2.667718	4.17382	5.476505	4.569221	0.148722	0.196259	0.2846	0.606011	0.661368	4.025388	0.379392	0.09425
ZNF703	1	1.096616	1.683282	5.789773	4.820893	0.115567	0.55718	0.542972	0.330191	3.632632	9.858044	2.701226	2.984204	1.104759
ZNF704	1	4.506375	5.434395	7.858116	8.46353	3.171476	4.692257	2.323747	7.993135	7.528773	10.32341	5.886779	6.572265	1.116445
ZNF705A	1	11.26853	8.346169	2.630982	3.25099	13.26012	6.623271	6.974986	6.856556	2.903964	3.746411	7.751357	5.421037	0.699366
ZNF706	1	13.73981	13.98965	9.453069	12.115	25.62477	22.84393	23.79584	16.42766	35.92127	29.37337	14.98446	25.67241	1.713269
ZNF710	1	0.814696	0.726348	1.966554	1.91834	1.001697	1.258582	0.923036	1.373175	1.060149	1.310909	1.285527	1.18517	0.921933
ZNF711	1	8.772928	12.71393	5.175253	4.63141	3.343194	3.661467	7.239623	9.874291	9.891454	4.591487	6.927344	7.051664	1.017946
ZNF713	1	5.036314	5.407024	2.03629	1.785311	2.618105	1.469493	2.287257	2.809759	5.899491	2.513406	3.376609	2.995881	0.887245
ZNF729	1	1.604107	2.514399	2.073957	1.675591	2.611811	1.846859	2.222437	2.222107	4.909249	3.242537	2.095973	2.888638	1.378185
ZNF74	1	2.179995	2.699909	3.629952	3.667025	2.178928	0.388692	0.567317	1.483743	0.560376	2.389224	2.871162	1.077871	0.375413
ZNF740	1	3.964031	4.008068	6.459324	7.149796	7.669294	10.87773	9.051845	17.13485	9.810968	10.07893	5.850103	11.39086	1.947122
ZNF746	1	3.168038	3.192567	5.040737	5.742783	3.339557	1.629487	1.585835	1.813793	2.325059	5.241689	4.096737	2.519172	0.614922
ZNF750	1	0.012128	0	0	0	0	0	0	0.376143	0	0.070565	0.002426	0.089342	36.83148
ZNF75A	1	0.932742	1.385488	1.679207	1.248183	0.923529	2.418684	2.089166	1.737382	3.996561	2.702947	1.23383	2.588948	2.098302
ZNF75D_1	1	4.880541	4.365476	3.216144	3.30758	5.670293	3.749207	2.061495	3.394454	3.652141	9.237838	4.288007	4.419027	1.030555
ZNF75D_2	0.000298	2.497857	3.987359	1.756882	2.42973	3.61003	0.360384	0.199542	0.242691	0.307453	0.249761	2.856372	0.271966	0.095214
ZNF76	1	5.415493	5.082956	9.098869	8.65674	10.90025	15.35922	7.201807	9.48517	6.705477	11.24798	7.83086	9.99993	1.27699
ZNF768	1	3.306275	2.407775	3.563149	4.056805	5.148502	3.848665	2.140531	2.922828	3.833775	6.790549	3.696501	3.90727	1.057018
ZNF770	1	6.113663	7.525159	6.05777	5.518255	2.895872	2.984192	6.872108	7.021237	9.87538	5.037464	5.622144	6.358076	1.130899
ZNF771	1	3.809645	5.087227	7.32754	11.92928	9.757737	5.876204	2.954076	2.383722	3.938897	11.57699	7.582286	5.345977	0.705061
ZNF774	1	2.690594	2.767746	1.803572	2.623113	2.342227	1.505666	1.256691	2.258227	2.644163	1.20452	2.44545	1.773853	0.725369
ZNF775	1	1.292423	1.216284	1.945306	2.754654	1.879991	0.182802	0.197934	0.195597	0.722309	1.48068	1.817731	0.555864	0.305801
ZNF777	1	2.861353	2.754801	4.683656	5.899622	1.207853	3.055382	2.542642	3.73485	3.944576	11.17543	3.481457	4.890576	1.40475
ZNF782	1	1.713214	1.820323	1.820506	1.528153	1.5497	3.253722	3.91451	4.737168	12.23748	2.212508	1.686379	5.271077	3.125677
ZNF783	1	1.259003	1.258139	2.245188	2.186277	2.273583	2.085655	1.616739	3.991198	2.270983	4.351389	1.844438	2.863193	1.552339

ZNF784	1	2.189925	1.971638	2.799098	4.85975	8.571782	0.316883	0.300225	0.182572	0.782566	2.046669	4.078439	0.725783	0.177956
ZNF787	1	1.214135	1.697132	3.764191	4.373384	2.903077	0.222167	0.342794	0.307203	2.984695	8.228441	2.790384	2.41706	0.866211
ZNF789	0.000359	0.588884	0.470637	0.395723	0.542631	0.737556	15.97808	6.757288	6.860428	5.292431	4.789189	0.547086	7.935482	14.50499
ZNF792	1	1.663302	1.933713	2.086805	1.637012	1.004676	0.755064	1.000748	1.139756	1.759138	2.497969	1.665101	1.430535	0.859128
ZNF793	1	1.59684	1.70163	1.107851	1.118223	0.439846	2.277696	1.42234	1.822991	2.420664	1.007904	1.192878	1.790319	1.50084
ZNF8	1	2.461678	2.765822	2.616193	1.949608	0.774391	0.147701	0.233227	0.364705	0.924052	1.324078	2.113539	0.598752	0.283294
ZNF800	1	2.583411	2.83914	3.665452	2.994959	1.458566	2.159545	3.721151	3.683376	4.392012	2.461407	2.708306	3.283498	1.212381
ZNF804A	1	5.888884	5.645622	2.979332	3.532204	1.770501	4.678198	9.95685	2.890607	2.168271	2.056455	3.963309	4.350076	1.097587
ZNF804B	1	0.459315	0.440115	0.922065	0.361249	0.02518	0.315643	0.798563	0.095925	0.04797	0.007712	0.441585	0.253163	0.573304
ZNF81	1	0.152873	0.370669	1.197998	0.619395	0.073208	0.658851	1.108302	0.813423	1.510863	1.158514	0.482829	1.049991	2.174666
ZNF814	1	4.789811	5.34586	4.327535	4.512258	2.707594	0.792042	1.119651	1.340032	2.347208	1.556112	4.336612	1.431009	0.329983
ZNF821	1	4.259581	4.054455	4.760113	4.526007	8.436644	7.961351	5.830509	11.92365	7.435491	12.21216	5.20736	9.072632	1.742271
ZNF827	1	4.30199	3.494119	4.628264	3.269133	1.744418	3.166955	3.877762	9.383874	8.046229	6.814716	3.487585	6.257907	1.794338
ZNF829	1	2.44198	2.436708	1.7913	1.764072	1.618744	2.682758	2.228138	8.756132	2.866936	3.408645	2.010561	3.988522	1.983786
ZNF830	1	9.794968	8.162131	7.256258	7.533626	6.264525	3.330789	3.98855	5.910443	5.074798	6.473551	7.802302	4.955626	0.635149
ZNF831	1	2.014636	2.298474	0.424946	1.270602	1.897116	0.13517	0.35492	0.23586	0.026705	0.100184	1.581155	0.170568	0.107875
ZNF835	1	1.071501	0.9121	1.422885	1.651193	1.59266	0.169071	0.125858	0.236568	0.25052	0.671304	1.330068	0.290664	0.218533
ZNF839	1	2.65033	2.870116	3.256615	3.031393	3.82497	1.082262	2.428505	9.887655	3.179139	1.510795	3.126685	3.617671	1.157031
ZNF845	4.30E-12	1.530816	1.578433	1.068811	1.153718	0.881823	0	0	0	0	0	1.24272	0	0
ZNF852	0.384267	0.016112	0	0	0	0	0.056212	0.216832	0.333118	0.471986	0.071421	0.003222	0.229914	71.34995
ZNF853	1	4.111034	6.213251	6.242401	7.227621	9.615801	18.83847	5.13931	4.255179	2.590486	7.649899	6.682022	7.694669	1.151548
ZNF862	1	1.832634	1.837469	2.807371	3.01377	2.034834	3.318135	2.251655	4.990739	6.390871	6.530856	2.305216	4.696451	2.037315
ZNF865	1	0.438542	1.17224	3.145669	4.318286	1.594025	0.231609	0.145339	0.291146	1.476739	6.554346	2.133752	1.739836	0.815388
ZNF879	1	1.260754	1.096471	1.060231	0.876639	0.668524	1.592605	1.385709	2.528027	2.547124	1.10812	0.992524	1.832317	1.846119
ZNF883	1	0	0.100281	0	0	0	0	0	0	1.606696	0.664257	0.020056	0.454191	22.64598
ZNF891	1	0.200021	0.190218	0.908161	0.290046	0.099988	0.523387	1.129695	2.992821	1.551051	0.726252	0.337687	1.384641	4.10037
ZNF93	1	4.930872	4.718657	4.298883	3.439622	5.363054	4.124634	4.123814	5.772986	4.504403	3.561803	4.550218	4.417528	0.970839
ZNFX1	1	9.646107	8.682844	12.47601	11.77195	7.805211	15.4287	19.98817	23.47064	15.55759	18.3283	10.07642	18.55468	1.841395
ZNHIT1	1	15.37585	16.79325	16.79013	24.60067	80.63464	14.33925	18.0888	12.92516	17.46526	28.87637	30.8389	18.33897	0.59467
ZNHIT2	1	0.773063	0.650489	1.721444	2.941562	1.398559	1.269237	0.547573	0.665979	1.175428	5.467925	1.497023	1.825228	1.219239
ZNHIT3	1	5.997449	8.267945	3.142561	3.330154	8.278125	6.95807	6.408831	5.13198	2.201865	6.72624	5.803247	5.485397	0.945229
ZNHIT6	1	5.417455	4.157961	1.477425	1.541016	1.956146	11.31731	8.872466	5.173387	4.701157	2.571717	2.910001	6.527208	2.243026
ZNRD1	1	6.572666	6.538223	5.018449	6.504746	22.53892	26.1336	12.02981	14.03392	5.508202	9.45352	9.434601	13.43181	1.423675
ZNRF1	1	14.03534	12.59887	13.37472	15.24189	39.22941	13.56667	8.87862	3.105557	3.847036	7.026801	18.89605	7.284936	0.385527
ZNRF2	1	2.8177	4.234173	4.069413	3.456966	4.470626	4.637839	6.663476	6.694913	4.287717	5.080583	3.809776	5.472905	1.436543
ZNRF3	1	4.400791	2.949135	3.845705	4.753713	2.362213	2.828603	4.303968	4.712653	5.750126	2.931908	3.662311	4.105451	1.121
ZNRF4	1	0	0.088162	0	0	0	0	0.047397	0	0	0	0.017632	0.009479	0.537612
ZP2	1	0.028857	0	5.409374	0.04609	0	0	0	0	0	0.279822	1.096864	0.055964	0.051022
ZP3	1	0	0.194136	0.062573	0.120124	0.1555	0	0	0	0	0	0.106467	0	0
ZP4	0.012241	0	0	0	0	0	1.037629	0.28088	0.768639	0.626389	0.091555	0	0.561018	#DIV/0!
ZPBP	1	0.025277	0.157001	0.110408	0.090838	0	0	0.053713	0.065327	0.58803	0	0.076705	0.141414	1.843614
ZPBP2	1	0.441134	0.396695	0.356822	0.264216	0.709389	0.256511	0.104154	0	0.337852	0.203698	0.433651	0.180443	0.416102
ZPLD1	1	0.009963	0	0	0	0	0	0.031757	0	0	0.016562	0.001993	0.009664	4.849758
ZPR1	1	23.86975	23.18082	19.21256	17.18066	17.37026	26.09429	32.17405	21.79202	30.84949	28.77331	20.16281	27.93663	1.385553
ZRANB1	1	11.558	11.66709	13.67474	11.89684	11.83887	6.36608	15.18717	32.30234	26.75775	23.74445	12.12711	20.87156	1.721066
ZRANB2	1	45.38553	53.17897	34.77534	32.68317	34.82878	39.50239	64.48526	72.36833	76.38702	52.04413	40.17036	60.95743	1.517473

ZRANB3	1	2.727632	2.401924	1.62223	1.949751	1.453944	1.168307	1.811275	1.269313	0.776387	0.15519	2.031096	1.036094	0.510116
ZRSR2	1	6.415566	5.802485	3.37567	4.235719	4.922225	8.532199	5.624073	7.22326	4.670261	4.458337	4.950333	6.101626	1.232569
ZSCAN10	1	0	0	0	0.020518	0	0	0	0	0	0.384379	0.004104	0.076876	18.73413
ZSCAN12	1	3.405964	3.049095	1.85686	1.330693	1.42142	1.549383	1.360392	2.955973	5.625014	3.806815	2.212807	3.059515	1.38264
ZSCAN16	1	1.430016	1.70913	1.743731	1.736799	1.32587	0.873103	1.291453	1.847898	0.657126	0.812198	1.589109	1.096356	0.689918
ZSCAN2	1	1.50578	1.083826	1.433477	1.777336	1.766193	0.80823	1.359582	1.49677	1.083534	0.485951	1.513322	1.046814	0.691732
ZSCAN20	1	1.538553	1.558987	2.103539	2.216677	1.109554	0.286775	0.622519	0.931435	0.4903	0.339844	1.705462	0.534175	0.313214
ZSCAN21	1	8.122935	7.162134	7.044476	6.813467	8.333921	11.88758	8.553184	15.42794	12.54142	12.00773	7.495387	12.08357	1.612134
ZSCAN23	1	0.811134	0.775093	1.440549	0.416423	0.048377	0.326533	0.340936	1.727745	1.244157	0.903856	0.698315	0.908646	1.301197
ZSCAN25	1	0.741577	0.623232	1.807899	1.487438	0.3276	0.812285	0.58635	1.247996	1.693955	3.23955	0.997549	1.516027	1.519752
ZSCAN26	1	5.401387	5.139001	6.869741	4.833789	3.971138	1.017722	1.188058	2.337067	5.629884	3.89544	5.243011	2.813634	0.536645
ZSCAN29	1	4.441333	3.960507	1.441647	1.212464	3.233549	6.182767	6.215011	9.912344	2.80001	1.434954	2.8579	5.309017	1.857664
ZSCAN30	1	0.302067	0.351955	0.026179	0.03159	0.14963	0.213284	0.183393	0.588604	0.123935	0.079704	0.172284	0.237784	1.380187
ZSCAN31	1	7.673908	3.257966	3.864349	3.236968	4.93211	4.126725	2.922122	7.257107	3.330801	5.307255	4.59306	4.588802	0.999073
ZSCAN32	1.09E-05	0.017718	0	0	0	0	2.132632	1.129484	2.197952	1.923488	1.531552	0.003544	1.783022	503.172
ZSCAN4_1	1	3.618218	4.243783	3.133092	3.325453	3.70927	1.948899	1.73554	2.876414	1.246992	1.076312	3.605963	1.776831	0.492748
ZSCAN4_2	0.699461	0.056104	0.095038	0.030632	0	0	4.183966	0.864335	0.833739	0.725096	0.443004	0.036355	1.410028	38.78503
ZSCAN5B	1	0	0	0.09322	0.076696	0.34749	0	0	0	0	0.017739	0.103481	0.003548	0.034284
ZSCAN9	1	0.01514	0	0	0	0	0.039616	0.032171	0.626046	0.391336	1.044445	0.003028	0.426723	140.9277
ZSWIM1	1	1.60916	1.576595	2.77617	2.666957	2.233214	0.884425	2.060998	1.614139	2.431057	4.116264	2.172419	2.221377	1.022536
ZSWIM2	1	0	0.122816	0	0.010021	0.045403	0	0	0	0.17299	0	0.035648	0.034598	0.970541
ZSWIM3	1	0.848853	0.937469	0.722461	1.271045	1.016254	0.914597	1.84356	2.258337	1.742399	2.687273	0.959217	1.889233	1.969558
ZSWIM4	1	0.538264	0.519981	1.650016	1.134197	0.888722	0.288479	0.52366	0.561473	0.586699	0.900165	0.946236	0.572095	0.604601
ZSWIM5	1	2.104272	1.917165	2.697445	2.021426	0.455169	1.409793	3.067386	4.111619	3.20569	2.298204	1.839096	2.818538	1.532568
ZSWIM6	1	5.812886	6.336966	6.847306	7.597356	4.837934	6.541709	11.30702	7.114334	8.686753	3.605157	6.28649	7.450995	1.185239
ZSWIM7	0.196976	5.913188	4.96985	4.169355	4.083705	9.856623	0.778507	0.763924	0.480575	1.473979	0.886115	5.798544	0.87662	0.151179
ZSWIM8	1	6.950909	6.960667	18.81904	20.04854	11.74972	17.9327	23.33557	30.67641	20.99549	21.1414	12.90578	22.81631	1.767915
ZSWIM9	1	4.158064	4.430487	3.334151	4.105612	1.416354	0.978768	0.98893	2.338103	1.146737	2.769174	3.488933	1.644342	0.471302
ZUP1	1	4.497179	5.917374	4.180965	4.339369	5.866812	9.80274	9.3634	13.75531	11.68838	6.378445	4.96034	10.19766	2.055838
ZW10	1	5.565692	5.383162	5.365177	5.861632	5.365702	6.51527	8.700348	9.704182	7.57174	13.59031	5.508273	9.21637	1.673187
ZWILCH	1.27E-08	5.676088	6.09516	3.03022	2.512976	5.0803	0.347425	0.437314	0.274517	0.274557	0.033107	4.478949	0.273384	0.061038
ZWINT	0.527223	2.320557	2.145377	0.86655	1.800376	6.78665	0	0	0	0.248631	0.059962	2.783902	0.061719	0.02217
ZXDB	1	0.835956	0.885047	1.009399	0.726968	0.632565	0.609953	0.845481	0.581668	0.914183	1.222614	0.817987	0.83478	1.020529
ZXDC	1	1.41255	1.356893	3.837381	3.71949	1.741299	0.315526	0.60398	0.690063	0.73469	1.553488	2.413523	0.779549	0.322992
ZYG11A	1	0	0.018678	0.072244	0	0	0	0	0	0	0	0.018185	0	0
ZYG11B	1	25.24359	30.75275	17.29817	18.12732	17.18455	9.546174	23.34392	16.34129	22.11129	12.89421	21.72127	16.84738	0.775616
ZYX	1	7.934682	9.806167	40.34591	38.31857	22.12251	18.48523	9.572583	44.38716	42.73961	84.54421	23.70557	39.94576	1.685079
ZZEF1	1	3.426131	3.209238	5.714391	5.013349	2.13499	2.613912	4.002635	6.63149	4.058792	4.045642	3.89962	4.270494	1.095105
ZZZ3	1	5.036701	6.170184	5.675457	6.146182	3.712898	7.00416	7.609967	8.591027	9.078856	4.861801	5.348284	7.429162	1.389074

Additional File I_2: Gene expression (RPKM values) in beluga whale samples.

Feature ID	RPKM beluga whale (SRX2585928)	RPKM beluga whale (SRX2585929)
20ALPHA-HSD	80653.17	84765.81
A1BG	472.4718	172.1518
A1CF	53.54256	20.23881
A2M	167.5817	72.68038
A2ML1	114.3418	65.73519
A3GALT2	64.59903	24.16688
A4GALT	40.78723	9.402115
A4GNT	65.63509	29.73042
AAAS	830.9077	217.3788
AACS	486.2096	150.8384
AADAC	163.9479	79.92229
AADACL3	190.2301	108.5919
AADACL4	45052.2	39431.85
AADAT	557.7051	216.4436
AAED1	110.5777	51.07833
AAGAB	83.18976	38.55486
AAK1	239.2397	58.18661
AAMDC	68.55963	24.58088
AAMP	46.81109	17.74341
AANAT_1	54.85244	38.17966
AANAT_2	91.00082	35.50909
AAR2	24.40856	6.221381
AARD	89.62407	45.2307
AARS	203.5814	164.659
AARS2	89.93603	38.71729
AARSD1	128.4153	58.68496
AASDH	157.4473	75.44856
AASDHPPT	47.96332	30.83642
AASS	17.32338	6.296355
AATF	51.14085	28.55796
AATK	49.68739	16.12256
ABAT	321.5382	106.3986
ABCA1	54.42174	20.91937
ABCA10	100.7762	37.64733
ABCA12	47.0525	15.52081
ABCA13	43.74064	24.25361
ABCA2	188.8677	125.5566
ABCA3	213.9224	70.19291
ABCA4	82.90078	33.62941
ABCA5	18.84788	15.50728
ABCA6	66.14264	27.57943
ABCA7	166.3996	112.022
ABCA9	66.44685	34.35794
ABCB1	52.69205	29.73244
ABCB10	44.55797	23.33589

ABCB11	117.4843	49.60581
ABCB4	89.76654	64.90031
ABCB5	71.32182	30.28772
ABCB6	49.96245	21.70248
ABCB7	84.81691	24.11612
ABCB8	70.3592	26.30607
ABCB9	170.3373	0.062187
ABCC1	162.3559	58.97669
ABCC10	149.7981	85.98838
ABCC11	77.698	37.73677
ABCC12	244.5928	59.41561
ABCC2	43.99078	15.54859
ABCC3	146.1426	57.93143
ABCC5	72.28618	30.20963
ABCC6	3620.092	924.771
ABCC8	21.39881	15.08271
ABCC9	318.1972	415.1588
ABCD1	75.52896	41.70803
ABCD2	38.53188	10.49866
ABCD3	64.54673	26.91784
ABCD4_1	111.0637	47.84645
ABCD4_2	103.3142	51.1048
ABCE1	93.48301	45.44363
ABCF1	14.49237	4.954824
ABCF2	153.7011	39.76499
ABCF3	49.1157	25.67618
ABCG1	62.96823	29.92627
ABCG2	55.91747	49.90617
ABCG4	70.47561	36.16451
ABCG5	320.5745	263.5274
ABCG8	258.2009	49.61607
ABHD1	231.6445	180.9386
ABHD10	16.90015	4.179026
ABHD11	34.84351	16.02799
ABHD12	55.44788	29.98306
ABHD12B	80.59501	15.75056
ABHD13	56.35147	20.45004
ABHD14A	14.47362	12.05456
ABHD14B	20.91178	11.9023
ABHD15	160.8629	58.00751
ABHD16A	45.95297	18.89416
ABHD16B	160.1683	99.56091
ABHD17A	43.61288	20.74814
ABHD17B	37.97237	14.08142
ABHD17C	55.16357	28.71155
ABHD18	91.57684	50.88001
ABHD2	26.34439	19.25307
ABHD3	30.37976	7.424585
ABHD4	24.13784	15.27776
ABHD5	888.9691	211.7834

ABHD6	73.35436	11.45814
ABHD8	151.8554	82.23464
ABI1	93.76533	26.96262
ABI2	15.12927	7.71178
ABI3	1.42769	1.729267
ABI3BP	47.26453	17.35482
ABL1	818.7795	200.2761
ABL2	6.615071	4.483027
ABLIM1	69.32598	33.92464
ABLIM2	87.4573	42.19794
ABLIM3	165.597	77.76217
ABO	19.5008	10.82021
ABR	118.9803	79.62202
ABRA	482.1775	170.9206
ABRACL	130.7898	55.05341
ABRAXAS1	11.73999	3.333698
ABRAXAS2	7.176909	3.04639
ABT1	42.85302	20.70685
ABTB1	68.19342	24.43247
ABTB2	112.5736	83.7922
ACAA1	44.12824	20.29528
ACAA2	21.01548	8.463765
ACACA	64.37021	31.10071
ACACB	71.79243	25.05526
ACAD10	22.64794	11.07706
ACAD11	55.51157	18.62134
ACAD8	0.466055	0.291319
ACAD9	60.36825	30.77744
ACADL	25.96655	14.73014
ACADM	9.886379	6.304044
ACADS	37.58356	16.02118
ACADSB	93.55283	40.5447
ACADVL	97.89018	38.49091
ACAN	48.10153	29.47139
ACAP1	12.56759	7.128265
ACAP2	61.55621	12.81527
ACAP3	54.1715	19.11622
ACAT1	26.98059	10.38427
ACAT2	42.40874	18.09014
ACBD3	348.7056	314.4199
ACBD4	206.3151	142.7771
ACBD5	12.71385	5.749156
ACBD6	17.87987	10.44128
ACBD7	54.72006	24.47426
ACCS	271.106	139.4775
ACCSL	14.06756	6.891582
ACD	496.1475	178.9714
ACE	66.05539	33.88687
ACE2	20.14278	7.795539
ACE3	25.61206	10.59691

ACER1	119.5091	64.16504
ACER2	102.5536	96.25589
ACER3	10.89735	4.459117
ACHE	84.9549	26.46691
ACIN1	79.15979	24.20121
ACKR1	52.8178	20.83379
ACKR2	68.55315	42.19296
ACKR3	796.1063	824.4198
ACKR4	19.78826	5.737198
ACLY	35.84856	12.94545
ACMSD	13.10109	2.980414
ACO1	37.63831	10.65662
ACO2	26.59193	15.87209
ACOD1	3.904786	1.549285
ACOT11	42.42433	18.21126
ACOT12	48.93017	32.0347
ACOT13	40.02579	15.20406
ACOT2_1	66.88899	76.39756
ACOT2_2	27.24914	11.39921
ACOT4	48.3848	51.31024
ACOT6	45.88871	15.81402
ACOT7	109.6387	34.60162
ACOT8	83.00632	23.72309
ACOT9	32.76714	9.03023
ACOX1	11.24272	5.715523
ACOX2	47.54073	21.52624
ACOX3	28.44715	10.25413
ACOXL	126.9992	42.86879
ACP1	87.89715	30.70286
ACP2	82.66049	22.86021
ACP4	60.47737	20.34866
ACP5	6.472236	2.705839
ACP6	94.09249	63.90454
ACP7	22.72283	12.65717
ACPP	13.18926	5.032237
ACR	29.35908	12.9188
ACRBP	75.3682	48.13217
ACRV1	38.37765	24.42276
ACSBG1	61.02609	41.18981
ACSBG2	289.2218	166.1935
ACSF2	35.02946	19.53419
ACSF3	87.33854	5.841158
ACSL1	24.94688	2.669467
ACSL3	6.404061	4.135904
ACSL4	86.03588	35.99962
ACSL5	94.01603	52.11471
ACSL6	137.0034	78.07847
ACSM1	47.32576	21.61862
ACSM2B	12.08099	5.367657
ACSM3	33.53519	21.89626

ACSM4	420.4318	141.7644
ACSM5	9.792423	5.65798
ACSS1	12.91046	5.442472
ACSS2	129.9609	47.73056
ACSS3	77.81503	24.34444
ACTA1	46.37374	22.172
ACTA2	13.96123	8.491755
ACTB	115.6374	38.73309
ACTBL2	51.17447	21.71435
ACTBP	61.2784	35.7988
ACTC1	55.70698	43.16538
ACTG1	12.20839	6.855586
ACTG2	167.1673	92.1978
ACTL6A	9.250693	4.140122
ACTL6B	33.0714	12.18552
ACTL7A	44.94509	14.85239
ACTL7B	57.69932	36.983
ACTL8	138.2138	122.7634
ACTL9	17.74319	4.759174
ACTN1	133.8239	58.12964
ACTN2	183.6283	45.5056
ACTN3	13.18603	4.662477
ACTN4	37.07215	24.78116
ACTR10	37.20567	26.3445
ACTR1A	17.98295	13.22052
ACTR1B	21.04942	9.314323
ACTR2	62.30568	18.942
ACTR3	22.23931	13.70887
ACTR3B	64.81975	26.51754
ACTR5	49.16498	17.00181
ACTR6	20.48562	9.237309
ACTR8	183.6408	24.5969
ACTRT2	23.69536	20.43223
ACTRT3	27.1367	13.48974
ACVR1	19.47467	0.717244
ACVR1B	16.28552	10.69732
ACVR1C	7.263556	3.269955
ACVR2A	121.1046	52.76113
ACVR2B	38.64953	28.01056
ACVRL1	6.927845	3.087977
ACY1	5.582517	4.02462
ACYP1	8.661192	4.618857
ACYP2	25.83015	16.31384
ADA	105.9544	32.58351
ADA2	146.3661	68.20785
ADAD1	1.94388	0.824278
ADAD2	79.76422	65.28929
ADAL	5.086578	1.123843
ADAM10	31.13461	9.876489
ADAM11	34.63315	16.20766

ADAM12	35.74512	16.2625
ADAM15	47.93601	25.46865
ADAM17	67.74011	36.56014
ADAM18	29.26204	11.71679
ADAM19	37.04293	16.37426
ADAM1A	24.30195	9.531684
ADAM2	52.37951	21.39615
ADAM20	22.13396	12.06364
ADAM21_1	33.18758	12.69125
ADAM21_2	24.35543	16.1819
ADAM22	27.46798	13.07044
ADAM23	266.6353	79.50667
ADAM29	25.04899	12.16101
ADAM32	16.81157	2.537182
ADAM33	16.11334	11.39281
ADAM3A	25.66698	11.84374
ADAM7	99.65222	52.85721
ADAM8	47.39778	26.9769
ADAM9	13.32955	8.818294
ADAMDEC1	36.83833	20.74339
ADAMTS1	25.7515	17.52978
ADAMTS10	34.84193	34.07888
ADAMTS12	85.09865	42.32263
ADAMTS13	33.40996	8.47283
ADAMTS14	32.78391	18.10723
ADAMTS15	24.02266	10.49714
ADAMTS16	29.08453	13.68323
ADAMTS17	45.93799	21.81502
ADAMTS18	35.60838	17.84445
ADAMTS19	44.81811	39.85295
ADAMTS2	75.00305	26.74889
ADAMTS20	41.82436	19.88822
ADAMTS3	22.59209	12.47058
ADAMTS4	13.37391	7.547628
ADAMTS5	37.12624	15.81233
ADAMTS6	27.95235	10.14971
ADAMTS7	67.4133	39.14921
ADAMTS8	7.028467	3.927993
ADAMTS9	13.67025	8.318826
ADAMTSL1	139.1108	54.41046
ADAMTSL2	430.561	62.36161
ADAMTSL3	19.4972	17.20802
ADAMTSL4	3.817449	2.277218
ADAMTSL5	10.72138	3.114038
ADAP1	10.70179	4.159867
ADAP2	26.07929	13.66377
ADAR	47.79799	20.36476
ADARB1	46.76469	22.40735
ADARB2	29.20757	21.3517
ADAT1	34.4444	14.55251

ADAT2	35.0078	11.95935
ADCK1	75.91707	122.5681
ADCK2	7.546189	4.574274
ADCK5	22.65922	6.767729
ADCY1	11.63878	6.40111
ADCY10	119.0685	43.99209
ADCY2	26.80854	20.72738
ADCY3	15.45154	5.846936
ADCY4	17.63319	7.390294
ADCY5	29.74128	10.3857
ADCY6	60.0934	47.65264
ADCY7	9.370638	5.033202
ADCY8	25.33699	15.58619
ADCY9	47.87601	32.10803
ADCYAP1	37.82411	21.63287
ADCYAP1R1	33.5659	18.26691
ADD1	1.653329	0.894852
ADD2	12.91434	4.484638
ADD3	42.29547	15.40752
ADGB	41.68324	21.18024
ADGRA1	17.85958	17.61928
ADGRA2	38.38407	19.28
ADGRA3	17.32846	10.28125
ADGRB1	28.61715	0.946896
ADGRB2	13.93601	5.117075
ADGRB3	39.7002	14.21073
ADGRD1	52.7686	28.05208
ADGRD2	4.64743	1.557745
ADGRE3	17.00115	5.829423
ADGRE5	40.5058	18.50627
ADGRF1	176.936	37.16995
ADGRF2	165.9266	44.69263
ADGRF3	13.93947	6.639355
ADGRF4	12.44092	9.804055
ADGRF5	18.5758	14.80805
ADGRG1	4.388848	2.791653
ADGRG2	10.09946	3.249612
ADGRG3	57.42436	33.80994
ADGRG5	62.7054	26.7788
ADGRG6	100.2254	67.65966
ADGRG7	17.21856	8.936692
ADGRL1	41.01397	54.55097
ADGRL2	15.24088	7.528603
ADGRL3	3.866747	0
ADGRL4	6.159705	1.967678
ADGRV1	8.918822	4.797023
ADH1C	11.68282	5.235919
ADH4	39.3757	24.47076
ADH5	39.03054	25.73533
ADH6_1	14.60808	3.706311

ADH6_2	86.6439	50.62083
ADH7	22.24247	13.94353
ADHFE1	23.69452	11.02599
ADI1	6.438859	2.833057
ADIG	12.69624	9.31815
ADIPOQ	100.5133	86.59709
ADIPOR1	60.13479	25.2098
ADIPOR2	23.91454	8.822366
ADIRF	8.027626	5.28117
ADK	44.39061	25.15522
ADM	6.039123	2.384484
ADM2	46.30869	20.82291
ADM5	10.65288	6.752567
ADNCR	40.80074	26.13742
ADNP	12.49993	10.52125
ADNP2	6.29793	2.479417
ADO	21.46553	7.41341
ADORA1	14.17912	7.587054
ADORA2A	12.36153	2.689863
ADORA2B	28.86961	14.53147
ADORA3	9.033486	4.387822
ADPGK	7.547228	5.25823
ADPRH	25.66189	17.46091
ADPRHL1	9.089333	4.756046
ADPRHL2	65.95056	22.77251
ADPRM	22.25661	9.910817
ADRA1A	62.05221	33.78437
ADRA1B	11.72797	0.438455
ADRA1D	44.19669	19.84196
ADRA2A	52.02065	18.07467
ADRA2B	72.48078	73.65768
ADRA2C	12.95858	6.292996
ADRB1	26.73513	25.06944
ADRB2	61.14184	1.456332
ADRB3	48.03775	30.36216
ADRM1	21.91835	44.94527
ADSL	197.7747	70.2728
ADSS	20.60495	23.17291
ADSSL1	56.68811	41.75574
ADTRP	75.06937	24.54754
AEBP1	3.675404	2.683198
AEBP2	21.19914	12.32996
AEN	24.7555	16.8803
AES	23.02007	12.3978
AFAP1	16.41002	6.730956
AFAP1L1	11.16502	2.556881
AFAP1L2	46.80772	32.64039
AFDN	46.0299	35.71855
AFF1	16.42008	11.34736
AFF2	21.22238	9.301271

AFF3	26.06883	17.65228
AFF4	47.19222	22.76744
AFG1L	21.13768	6.826275
AFG3L2	5.099632	2.578727
AFM	1.735608	0.617136
AFMID	1.205311	0.263978
AFP	2.732376	3.132658
AFTPH	28.42873	12.22629
AGA	87.4975	45.10072
AGAP1	24.62938	4.546124
AGAP2	27.28024	7.183888
AGAP3	13.94073	9.319871
AGBL1	22.16131	14.07531
AGBL2	27.03845	23.59071
AGBL3	5.910141	2.7786
AGBL4	7.526512	3.562671
AGBL5	19.95402	14.83565
AGER	17.00068	7.096065
AGFG1	15.38414	8.957346
AGFG2	23.02429	11.31561
AGGF1	5.252019	10.6717
AGK	20.78294	7.762232
AGL	25.82672	26.49419
AGMAT	43.84633	31.49883
AGMO	31.59097	12.08675
AGO1	38.75029	21.95651
AGO2	25.75296	8.011616
AGO3	158.2429	8.051045
AGO4	45.30943	16.87983
AGPAT1	30.41536	33.01679
AGPAT2	89.67032	82.8816
AGPAT3	43.91497	24.27297
AGPAT4	49.87269	27.97098
AGPAT5	4.995855	1.460696
AGPS	34.12238	35.53816
AGR2	24.57805	14.24449
AGR3	17.89931	11.19679
AGRN	36.30568	18.41073
AGRP	15.04431	4.871777
AGT	20.87373	7.911681
AGTPBP1	15.5716	6.05552
AGTR1	20.14244	8.147199
AGTR2	23.41418	9.174953
AGTRAP	176.1453	78.5645
AGXT	0.341367	0.048495
AGXT2	14.20208	5.880995
AHCTF1	13.11653	4.938661
AHCY	120.6074	88.73317
AHCYL1	63.44455	25.41031
AHCYL2	15.3111	5.646371

AHDC1	39.67533	14.13473
AHI1	60.79838	44.38772
AHNAK	4.49107	2.455066
AHNAK2	17.34131	13.91836
AHR	24.68664	11.02899
AHRR	14.87437	2.456904
AHSA1	19.86879	5.385152
AHSA2	23.42176	6.537794
AHSG	14.97606	6.241945
AHSP	18.91942	7.682495
AICDA	6.789288	4.428953
AIDA	47.08552	40.77561
AIF1	7.265887	3.792158
AIF1L	17.79021	8.634579
AIFM1	15.52373	7.577099
AIFM2	36.56628	8.958712
AIFM3	6.012126	3.274533
AIG1	74.6191	42.37585
AIM2	24.45545	12.19631
AIMP1	209.7808	103.4291
AIMP2	9.474079	3.743515
AIP	16.26992	7.196028
AIPL1	9.576935	4.531623
AIRE	46.90927	18.19795
AIRN	8.348868	3.389426
AJAP1	21.62688	14.15252
AJM1	37.05445	15.05819
AJUBA	22.01577	12.29137
AK1	7.551772	4.083416
AK2	22.46736	13.68223
AK3	55.87612	32.31129
AK4	57.61349	42.89609
AK5	29.40614	17.30344
AK6	13.77012	9.119513
AK7	15.08474	16.78255
AK8	6.52757	3.013235
AK9	24.5932	8.12425
AKAIN1	16.73861	7.892532
AKAP1	33.25141	10.9322
AKAP10	19.71425	1.689607
AKAP11	17.24774	8.957813
AKAP12	28.30955	1.928215
AKAP13	14.45562	5.956662
AKAP14	10.35183	8.255388
AKAP17A	704.3626	630.7803
AKAP2	15.29827	4.833637
AKAP3	10.42915	4.216825
AKAP4	16.75174	9.885702
AKAP5	21.421	15.85706
AKAP6	11.45343	7.243131

AKAP7	11.3196	6.461897
AKAP8	15.86951	11.2382
AKAP8L	9.144649	6.187684
AKAP9	32.4053	24.11056
AKIP1	13.47832	4.784172
AKIRIN1	146.883	44.17338
AKIRIN2	11.49539	3.167654
AKNA	18.80278	6.247855
AKNAD1	29.18835	15.5736
AKR1A1	20.65927	11.70771
AKR1B1	3.798581	2.763134
AKR1B10	37.72335	19.20881
AKR1C3	21.7213	14.47621
AKR1C4	7.960202	4.719462
AKR1D1	14.66044	5.141284
AKR7A2	28.53161	16.82302
AKR7L	36.60142	19.75376
AKT1	0.800644	0.321821
AKT1S1	39.59576	20.81705
AKT2	91.08792	27.58398
AKT3	14.98641	8.834782
AKTIP	35.0539	27.8539
ALAD	12.72206	11.53747
ALAS1	6.624721	2.561921
ALAS2	26.60609	12.87984
ALB	105.7136	54.22856
ALCAM	44.61643	29.08666
ALDH16A1	10.81327	8.84407
ALDH18A1	24.71275	15.16333
ALDH1A1	7.995747	4.973733
ALDH1A2	8.099774	3.977557
ALDH1A3	13.84239	6.851814
ALDH1B1	48.35794	21.18508
ALDH1L1	16.88254	5.193406
ALDH1L2	19.81131	14.32416
ALDH2	6.528655	2.671062
ALDH3A1	17.28429	10.73416
ALDH3A2	118.8412	44.28991
ALDH3B1	44.42623	25.02664
ALDH4A1	19.80785	10.79599
ALDH5A1	4.55301	2.969571
ALDH6A1	27.77316	1.406662
ALDH7A1	41.13296	18.73819
ALDH8A1	31.78624	8.823617
ALDH9A1	13.89196	5.613096
ALDOA	18.25341	1.111699
ALDOB	13.79411	8.580568
ALDOC	19.80101	18.25011
ALG1	15.38343	5.188005
ALG10	26.70026	15.37428

ALG11	33.8157	22.82991
ALG12	52.26891	19.92216
ALG13	5.517476	61.58158
ALG14	12.94501	5.300972
ALG2	48.97987	13.0266
ALG3	44.80385	32.47044
ALG5	23.64127	11.14567
ALG6	10.18488	14.77745
ALG8	20.37186	7.625435
ALG9	23.06539	6.061931
ALK	102.7294	81.50064
ALKAL1	41.90623	16.37182
ALKAL2	11.04192	3.603116
ALKBH1	8.959238	0.74973
ALKBH2	13.86801	8.584189
ALKBH3	20.29326	8.998393
ALKBH4	11.64921	4.527969
ALKBH5	39.88528	28.53897
ALKBH6	24.59966	15.81258
ALKBH7	40.92867	14.3684
ALKBH8	47.27384	16.10633
ALLC	8.446041	3.530963
ALMS1	26.04022	16.37057
ALOX12	15.9744	4.710089
ALOX12B	33.41108	16.12754
ALOX12E	45.82917	20.65083
ALOX15	2.377326	1.074119
ALOX15B	32.19205	17.22919
ALOX5	40.49219	10.82815
ALOX5AP	24.51635	18.0134
ALOXE3	11.52915	7.658732
ALPI	20.9863	0.264883
ALPK1	17.45637	8.474429
ALPK2	9.453875	6.748465
ALPK3	39.33891	23.88854
ALPL	62.68331	30.16921
ALS2	19.81738	17.26181
ALS2CL	45.62518	26.27934
ALS2CR12	1.379411	0.873367
ALX1	55.45967	25.73911
ALX3	25.95534	15.1275
ALX4	25.1876	18.28008
ALYREF	1.939797	1.48923
AMACR	43.36256	27.08077
AMBN	4.285043	4.170393
AMBP	23.25569	6.468274
AMBRA1	19.99795	14.09855
AMD1	16.01057	6.149824
AMDHD1	13.41328	7.385183
AMDHD2	5.307587	1.474623

AMER1	9.28268	8.678369
AMER2	29.43514	13.40638
AMER3	13.34543	6.215731
AMFR	46.50083	10.05246
AMH	7.711817	4.6113
AMHR2	14.81058	1.180531
AMIGO1	47.88075	29.56778
AMIGO2	40.5824	16.86395
AMMECR1	10.17316	5.820618
AMMECR1L	25.14875	5.90131
AMN	24.43039	11.9809
AMN1	25.23534	7.114348
AMOT	24.21393	11.91633
AMOTL1	16.23437	4.442536
AMOTL2	21.40086	4.1635
AMPD1	0.702411	0.704071
AMPD2	4.165181	4.960665
AMPD3	11.46174	3.495824
AMPH	21.64822	7.027359
AMT	13.19531	8.987415
AMTN	7.938912	3.830886
AMY2B	16.00781	9.524204
AMZ1	15.6673	9.644268
AMZ2	15.16968	4.787689
ANAPC1	7.68497	3.650273
ANAPC10	46.94653	26.35714
ANAPC11	22.33895	9.012083
ANAPC13	10.86629	4.006276
ANAPC15	18.74874	3.705016
ANAPC16	15.5736	5.442786
ANAPC4	32.74842	13.10505
ANAPC5	11.61512	3.854643
ANAPC7	3.342848	13.4391
ANG	25.0726	12.38322
ANG2	19.206	11.47976
ANGEL1	35.23911	24.49324
ANGEL2	18.3028	12.08713
ANGPT1	6.97082	3.184253
ANGPT2	78.75378	31.17849
ANGPT4	11.67816	7.366336
ANGPTL1	5.983716	3.184932
ANGPTL2	11.54056	5.704682
ANGPTL3	4.618222	2.985343
ANGPTL4	20.47889	14.67541
ANGPTL5	19.80581	10.1132
ANGPTL6	10.47526	5.498538
ANGPTL7	23.0777	1.912551
ANGPTL8	17.88132	10.49111
ANHX	23.81639	12.58942
ANK1	5.88628	3.349708

ANK2	14.51365	5.023741
ANK3	16.3837	0.3726
ANKAR	16.77738	9.137951
ANKDD1A	6.638186	5.210763
ANKDD1B	62.66253	33.54179
ANKEF1	5.269159	2.421586
ANKFY1	712.9684	317.8622
ANKH	0.741324	0.608615
ANKHD1	32.16239	16.47644
ANKIB1	19.87044	26.46977
ANKK1	17.05585	6.150709
ANKLE1	12.26742	4.267278
ANKLE2	6.030837	2.841392
ANKMY1	13.98347	9.998628
ANKMY2	80.00132	29.04197
ANKRA2	36.20306	21.28078
ANKRD1	17.72842	4.671921
ANKRD10	6.744351	3.365911
ANKRD11	3.928894	1.634574
ANKRD12	24.15043	10.27673
ANKRD13A	6.536911	3.236118
ANKRD13B	22.42293	19.27871
ANKRD13C	28.06884	21.30093
ANKRD13D	12.30051	9.705198
ANKRD16	5.597626	1.736427
ANKRD17	28.23992	17.50227
ANKRD2	6.249655	2.51682
ANKRD22	7.3138	5.418171
ANKRD23	57.91881	28.25673
ANKRD24	119.1238	51.74082
ANKRD26	24.58463	15.10168
ANKRD27	11.76223	7.135235
ANKRD28	13.24062	11.21333
ANKRD29	18.879	9.20814
ANKRD31	8.781355	4.371524
ANKRD33	20.95537	8.697793
ANKRD33B	20.39574	19.84272
ANKRD34A	11.24243	3.765201
ANKRD34B	36.50472	21.41192
ANKRD34C	30.22374	34.16339
ANKRD35	3.854319	2.922675
ANKRD37	5.139843	2.363949
ANKRD39	27.56941	17.22705
ANKRD40	20.6282	8.95623
ANKRD42	9.065997	5.168912
ANKRD44	5.011483	2.078032
ANKRD45	20.10885	9.497418
ANKRD46	7.099656	4.191751
ANKRD49	5.921485	2.841033
ANKRD50	24.74109	7.062131

ANKRD52	12.53756	5.144401
ANKRD53	92.04327	108.5868
ANKRD54	17.03145	7.335314
ANKRD55	9.584878	3.563245
ANKRD6	19.14239	10.641
ANKRD60	21.71558	13.4136
ANKRD61	3.097014	1.40033
ANKRD63	17.66366	5.926178
ANKRD65	15.01577	9.082815
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ANKRD9	24.22509	10.62153
ANKS1A	9.607673	5.132024
ANKS1B	2.456485	1.129802
ANKS3	33.13058	17.56444
ANKS4B	18.02033	15.26094
ANKS6	22.45211	8.989326
ANKUB1	16.38716	5.158702
ANKZF1	13.83766	6.876583
ANLN	3.725096	2.129462
ANO1	11.23987	5.032294
ANO10	38.54368	16.79824
ANO2	11.94226	8.622539
ANO3	4.520901	2.122669
ANO4	18.46341	11.07129
ANO5	12.33781	4.063764
ANO6	49.70485	57.97701
ANO7	9.027515	2.614398
ANO8	14.72299	11.41969
ANO9	4.827016	3.969411
ANOS1	25.74766	14.25261
ANP32A	60.27225	21.88531
ANP32B	22.9917	12.42321
ANP32E	15.50607	10.11044
ANPEP	9.913896	1.361443
ANTXR1	53.45377	28.05921
ANTXR2	43.05399	23.69317
ANTXRL	107.6879	31.16501
ANXA1	25.44933	10.98662
ANXA10	17.06455	13.63048
ANXA11	9.640883	5.296088
ANXA13	14.87846	8.973946
ANXA2	27.00476	14.85849
ANXA3	11.75953	7.649161
ANXA4	15.0264	8.888385
ANXA5	20.32923	13.13317
ANXA6	11.60885	8.530551
ANXA7	7.770699	2.952951
ANXA8L1	23.30968	11.78139
ANXA9	5.373806	2.085016
AOAH	61.29454	20.34437

AOC1	13.30608	0.174791
AOC2	7.595199	3.928751
AOC3	7.925307	3.310793
AOX1	5.355705	2.192101
AOX2	13.77164	7.190462
AOX4	19.54207	13.41814
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AP1B1	26.60503	12.66893
AP1G1	27.08673	23.71362
AP1G2	16.14357	6.977395
AP1M1	10.79806	5.523875
AP1M2	6.961877	5.495189
AP1S1	36.22427	24.97894
AP1S2	23.11105	14.33588
AP1S3	40.33389	7.18036
AP2A1	4.250908	0.699934
AP2A2	18.14892	7.844856
AP2B1	24.69051	7.903444
AP2M1	28.50307	13.8103
AP2S1	33.29468	18.3413
AP3B1	20.10107	10.74887
AP3B2	5.591179	3.112159
AP3D1	12.13349	5.802911
AP3M1	18.62584	14.95362
AP3M2	16.19636	7.862146
AP3S1	4.268229	2.970029
AP3S2	12.25761	6.408563
AP4B1	101.6012	78.50952
AP4E1	28.85573	17.2467
AP4M1	40.15852	1.830334
AP4S1	37.09257	12.75566
AP5B1	92.74645	26.30005
AP5M1	33.45021	27.18342
AP5S1	5.324613	1.721447
AP5Z1	14.59431	5.227214
APAF1	10.94244	5.754107
APBA1	109.0315	47.41086
APBA2	6.647922	1.860895
APBA3	10.54733	4.377505
APBB1	28.45737	13.55244
APBB1IP	15.6981	1.873231
APBB2	7.058293	4.088839
APBB3	17.4288	5.310859
APC	11.80377	4.992599
APC2	14.5599	14.27393
APCDD1	9.011885	6.976546
APCDD1L	6.608631	0.72572
APCS	7.421493	1.823984
APEG3	12.28918	7.808024
APEH	4.909094	2.210116

APELA	14.51925	3.154382
APEX1	2.124663	1.259122
APEX2	14.33491	5.80595
APH1A	16.88649	9.153422
APH1B	19.64306	13.46797
API5	20.9169	13.91781
APIP	10.39372	7.560074
APLF	28.66647	19.81691
APLN	3.036204	1.137831
APLNR	12.75654	5.764646
APLP1	13.64197	5.896441
APLP2	11.5497	5.063362
APMAP	10.17156	5.29916
APOA1	70.88002	56.38666
APOA2	4.281262	1.982339
APOA4	13.50799	13.25966
APOA5	2.032048	0.457
APOB	16.07614	7.583592
APOBEC1	15.38064	7.420868
APOBEC2	23.21819	7.108442
APOBEC3H	34.82869	59.79191
APOBEC3Z1	3.232405	1.970451
APOBEC3Z2	12.86013	7.036604
APOBEC4	35.79602	12.29073
APOBR	9.499642	0.442243
APOC2	20.95432	25.26438
APOC3	40.27456	13.75584
APOC4	11.78738	6.868106
APOD	7.062849	5.200909
APOE	16.42347	2.983789
APOF	10.33729	7.369697
APOH	14.5402	5.462942
APOL3_1	34.40168	20.12497
APOL3_2	9.831036	5.862839
APOLD1	29.93805	12.37078
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ApoN	11.26748	4.211385
APOO	11.88372	7.468177
APOOL	9.643334	5.499236
APOPT1	18.41638	10.41727
APP	15.8858	6.293781
APPBP2	10.81217	6.025343
APPL1	24.42826	14.14319
APPL2	8.067565	6.807892
APRT	13.13323	15.36178
APTX	122.6562	45.03734
AQP1	10.77288	17.94652
AQP10	7.714551	5.333673
AQP11	12.27808	9.206458
AQP12B	17.28911	9.68497

AQP2	30.59078	13.34224
AQP3	7.799888	2.417514
AQP4	13.05338	7.149176
AQP5	33.42091	29.72173
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AQP8	18.72854	36.72147
AQP9	12.30501	11.72331
AQR	9.546103	4.967624
AR	0.11872	0.463563
ARAF	11.60153	4.609947
ARAP1	28.28233	20.68092
ARAP2	15.83678	14.97219
ARAP3	11.69171	10.38277
ARC	16.25301	5.531114
ARCN1	4.958036	4.093184
AREG	19.77361	12.08649
AREL1	6.865909	0.18467
ARF1	10.30551	6.267043
ARF2	43.37213	20.46134
ARF3	31.32146	26.59918
ARF4	7.889048	6.916887
ARF5	17.73277	8.397739
ARF6	10.84649	9.605016
ARFGAP1	32.86004	40.30423
ARFGAP2	28.16003	22.34415
ARFGAP3	2.885962	1.383882
ARFGEF1	18.47378	7.140598
ARFGEF2	9.068179	3.991288
ARFGEF3	11.83428	4.484937
ARFIP1	10.58408	4.412761
ARFIP2	13.00817	30.15483
ARFRP1	11.74598	4.861955
ARG1	10.12303	3.89825
ARG2	14.05872	7.379591
ARGFX	19.09891	4.367352
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ARHGAP1	25.67352	15.22094
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ARHGAP20	6.459122	8.652593
ARHGAP21	21.01083	6.635518
ARHGAP22	5.555099	3.994585
ARHGAP23	12.27981	7.090198
ARHGAP24	35.00719	21.2966

ARHGAP25	10.46896	4.16493
ARHGAP26	18.63531	9.675762
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ARHGAP35	12.87613	7.612743
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ARHGAP39	14.74834	8.037877
ARHGAP4	38.79475	23.59463
ARHGAP40	1.849574	0.450528
ARHGAP42	23.16904	12.65504
ARHGAP44	6.224286	3.21603
ARHGAP45	24.97632	22.39533
ARHGAP5	6.070538	0.791036
ARHGAP6	26.97135	11.25093
ARHGAP8	3.840225	1.313084
ARHGAP9	73.41618	55.12209
ARHGDIA	22.8633	7.520958
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ARHGDIG	23.37697	11.30938
ARHGEF1	18.2362	18.28911
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ARHGEF12_2	13.75553	6.865292
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ARHGEF28	17.67745	6.591401
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ARID3A	4.882707	2.569989
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ARID5A	7.561615	5.494593
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ARIH1	6.541206	3.529712
ARIH2	20.61138	10.35167
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ARL1	3.282205	1.31377
ARL10	15.69536	7.35606
ARL11	17.92667	16.17862
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ARL14	12.97177	6.016601
ARL14EP	11.18319	6.843582
ARL14EPL	23.80288	15.09891
ARL15	9.983891	0.83481
ARL16	3.82814	1.08182
ARL2	3.426974	2.600019
ARL2BP	11.10015	4.519446
ARL3	12.60779	13.14212
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ARL4C	35.02613	19.45925
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ARL5A	12.13883	7.050832
ARL5B	6.090761	3.127524
ARL5C	13.69948	5.020829
ARL6	30.09295	10.16072
ARL6IP1	40.61874	33.9536
ARL6IP4	10.65327	9.774215
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ARMC3	13.89411	7.734752
ARMC4	9.240047	8.334671
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ARMC9	15.07073	9.440729
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ARMCX5	20.50861	12.70748
ARMCX6	7.915015	3.959835
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ARPC2	31.61665	17.76098
ARPC3	9.021683	5.422204
ARPC4	72.74238	33.16824
ARPC5	7.312016	3.789921
ARPC5L	203.3123	141.6784
ARPIN	15.24837	9.606045
ARPP19	42.67613	38.65046
ARPP21	9.280929	3.143362
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ARRDC1	19.00244	6.559532
ARRDC2	9.872512	3.648463
ARRDC3	5.459253	2.170846
ARRDC4	8.047137	4.039401
ARRDC5	4.519915	4.712008
ARSA	4.774008	3.3538
ARSB	12.02694	13.3271
ARSE	21.53912	11.13298
ARSG	13.05246	12.75766
ARSH	52.98564	3.64112
ARSI	17.56349	9.928415
ARSJ	12.87173	6.582541
ARSK	14.22409	5.94163
ART1	5.576438	3.444628
ART3	10.45115	6.76004
ART4	17.01912	11.81579
ARTN	14.84931	8.505187
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ARVCF	35.75709	9.072712
ARX	25.8523	25.21373
AS3MT	13.22685	6.274856

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ASAH2	29.05195	23.75865
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ASAP3	1.395907	0.849066
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ASB11	7.396608	3.50085
ASB12	8.374877	4.710115
ASB13	9.388358	7.410785
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ASB15	27.92074	22.14286
ASB16	32.3525	12.82105
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ASB18	12.44588	5.982707
ASB2	13.89234	4.068711
ASB3	4.502908	3.276326
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ASB5	5.31857	4.874379
ASB6	10.5077	5.909606
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ASB8	11.5143	8.407736
ASB9	25.3312	14.36562
ASCC1	4.726861	1.415742
ASCC2	23.05582	25.45965
ASCC3	10.057	6.487216
ASCL1	8.870395	7.083287
ASCL2	18.23167	11.95586
ASCL3	3.912195	1.85073
ASCL4	6.018912	3.157894
ASCL5	7.414334	6.507411
ASF1A	1.858972	0.717507
ASF1B	14.97083	8.511143
ASGR1	13.18991	8.75309
ASGR2	4.684132	0.915982
ASH1L	17.84318	10.86702
ASH2L	18.26154	5.020033
ASIC1	24.55334	14.02878
ASIC2	29.98045	18.5073
ASIC3	6.020455	2.955173
ASIC4	19.68719	9.310214
ASIC5	12.35555	6.846611
ASIP	10.02295	4.549376
ASL	5.596121	2.006536
ASMT	1.417067	1.020917
ASMTL	13.94548	7.624196
ASNA1	10.00713	4.864414
ASNS	6.52757	2.848449
ASNSD1	6.036856	5.303828
ASPA	14.17345	9.000891

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ASPM	11.06821	12.60121
ASPN	21.20584	17.59752
ASPRV1	15.23703	8.639488
ASPSCR1	1.161239	0.194212
ASRGL1	5.652901	3.05274
ASS1	8.349343	9.183934
ASTE1	14.3276	8.805453
ASTL	5.853541	3.863049
ASTN1	17.28032	9.930922
ASTN2	3.136693	1.223125
ASXL1	12.61629	6.713282
ASXL2	9.584033	5.382561
ASXL3	13.64247	4.621181
ASZ1	6.568987	4.944683
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ATE1	36.48828	45.52661
ATF1	1.899558	2.763137
ATF2	7.151967	4.525551
ATF3	36.99853	16.6443
ATF4	17.89322	7.6939
ATF5	12.81499	7.369722
ATF6	1.7831	1.045177
ATF6B	9.270497	6.665776
ATF7	5.748166	7.963129
ATF7IP	5.089858	1.547155
ATF7IP2	32.17909	13.6051
ATG10	12.1314	8.547921
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ATG12	24.46484	21.66054
ATG13	45.80797	22.83266
ATG14	18.33304	11.5248
ATG16L1	4.428122	2.463852
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ATG2A	18.25177	13.96362
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ATG3	11.08279	5.338367
ATG4A	13.67721	6.491602
ATG4B	15.06755	5.408107
ATG4C	9.062005	4.420861

ATG4D	16.48984	15.1253
ATG5	58.15955	24.74632
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ATG9A	17.00011	11.18017
ATG9B	15.43413	6.670031
ATIC	7.881211	12.05824
ATL1	13.43444	4.688222
ATL2	13.43664	4.403411
ATL3	7.796253	4.134745
ATM	46.04088	17.83984
ATMIN	12.81981	9.421019
ATN1	10.93305	6.464581
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ATOH7	34.26159	18.80602
ATOH8	24.76657	19.86624
ATOX1	12.45479	3.611077
ATP10A	5.399799	2.499891
ATP10B	3.106766	1.34053
ATP10D	61.87722	54.08637
ATP11A	32.41633	11.48219
ATP11B	9.440694	9.684352
ATP11C	17.23166	12.79174
ATP12A	6.8917	2.561352
ATP13A1	12.78224	5.731311
ATP13A2	45.21663	18.75282
ATP13A3	18.78177	16.00636
ATP13A4	3.658155	2.163384
ATP13A5	33.70866	26.25802
ATP1A1	13.41485	9.509065
ATP1A2	7.321248	2.101656
ATP1A3	11.47291	5.566272
ATP1A4	66.22457	38.23474
ATP1B1	3.022191	1.30961
ATP1B2	10.27656	5.520052
ATP1B3	20.98222	10.16548
ATP1B4	12.91078	7.176308
ATP23	12.40059	6.911137
ATP2A1	6.164058	5.550558
ATP2A2	25.50661	30.98243
ATP2A3	12.10784	11.84922
ATP2B1	15.42014	11.9938
ATP2B2	14.39847	8.947555
ATP2B3	27.8624	22.85316
ATP2B4	11.74386	4.141273
ATP2C1	19.55596	28.58983
ATP2C2	4.86444	5.357833
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ATP4B	2.722522	1.303835
ATP5F1A	35.20119	21.86354
ATP5F1B	21.15824	16.67466

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ATP5F1E	11.01238	6.483579
ATP5IF1	12.19301	5.28399
ATP5MC1	17.58568	11.40256
ATP5MC2	42.2903	41.88633
ATP5MC3	13.77984	11.34406
ATP5MD	2.996343	1.892312
ATP5ME	28.11976	20.32075
ATP5MF	11.07262	2.816909
ATP5MG	18.53253	7.118878
ATP5MPL	12.18048	17.07163
ATP5PB	17.64338	12.61454
ATP5PD	4.739737	5.512216
ATP5PF	15.14061	10.65039
ATP5PO	33.23646	13.63398
ATP5S	4.786165	2.697951
ATP6AP1	10.4419	9.657045
ATP6AP1L	12.77378	8.562664
ATP6AP2	15.61871	8.856908
ATP6V0A1	13.98417	7.333948
ATP6V0A2	27.8812	35.86098
ATP6V0A4	9.953267	5.069664
ATP6V0B	7.766669	4.216114
ATP6V0C	23.0132	10.83479
ATP6V0D1	11.92843	18.0578
ATP6V0D2	13.66909	9.945469
ATP6V0E1	10.96211	7.060242
ATP6V0E2	17.0791	6.259284
ATP6V1A	13.8063	13.11815
ATP6V1B1	6.965564	2.81417
ATP6V1B2	6.142925	5.358735
ATP6V1C1	15.71767	5.18188
ATP6V1C2	4.834258	2.231409
ATP6V1D	5.577342	2.695081
ATP6V1E1	11.14444	9.007121
ATP6V1E2	7.511792	3.014514
ATP6V1F	17.1857	52.68833
ATP6V1FNB	98.56902	49.06859
ATP6V1G1	27.07227	18.5849
ATP6V1G2	15.27863	8.871505
ATP6V1G3	72.88481	46.36041
ATP6V1H	5.827439	1.974359
ATP7A	37.68984	28.78476
ATP7B	5.722126	0
ATP8A1	13.96079	9.563572
ATP8A2	8.322243	5.652097
ATP8B1	6.916073	2.525713
ATP8B2	33.20485	20.46997
ATP8B3	33.26844	9.518524

ATP8B4	5.663375	12.18013
ATP9A	10.60184	6.506742
ATP9B	21.90754	9.247203
ATPAF1	2.220927	1.0935
ATPAF2	27.06929	6.330132
ATR	11.02178	6.100289
ATRAID	8.770024	13.08223
ATRIP	4.922257	3.098546
ATRN	8.005221	4.353871
ATRNL1	9.550646	1.90728
ATRX	10.89953	3.742734
ATXN1	27.12642	18.20189
ATXN10	0.401722	0.328467
ATXN1L	14.59214	11.28393
ATXN2	16.38579	5.830388
ATXN2L	5.062888	3.466114
ATXN3	7.704882	3.174092
ATXN7	17.24264	7.692054
ATXN7L1	11.95162	4.608823
ATXN7L2	33.67617	21.29301
ATXN7L3	3.110799	1.472864
ATXN7L3B	2.500501	1.474868
AUH	6.017968	4.665179
AUNIP	17.6438	6.397505
AUP1	13.67422	13.08672
AURKA	25.14088	10.74433
AURKAIP1	11.2032	6.233695
AURKB	23.16101	19.388
AURKC	11.54883	6.271739
AUTS2	18.20097	10.48904
AVEN	3.557253	1.585396
AVIL	12.71236	9.013185
AVL9	7.246273	2.764864
AVP	18.52839	16.91346
AVPI1	11.83674	7.802897
AVPR1A	13.2821	10.75716
AVPR1B	24.97843	32.25305
AVPR2	22.17093	43.94061
AWAT1	6.566015	3.695401
AWAT2	14.14608	7.646231
AXDND1	18.40735	13.49781
AXIN1	13.73396	4.784551
AXIN2	22.77463	11.82085
AXL	34.52227	18.3695
AZGP1	3.621628	3.786003
AZI2	7.302063	4.401618
AZIN1	12.16596	7.907528
AZIN2	14.55055	4.645317
AZU1	1.447751	1.094221
B2M	7.085405	4.755862

B3GALNT1	1.42392	0.61575
B3GALNT2	9.649931	5.539206
B3GALT1	9.63681	2.535966
B3GALT2	4.141954	4.659421
B3GALT4	16.27988	13.01448
B3GALT5	24.57913	6.058879
B3GALT6	15.30898	4.708268
B3GAT1	15.87039	10.06052
B3GAT2	9.333011	1.240874
B3GAT3	17.02344	16.89588
B3GNT2	37.85719	17.76362
B3GNT3	9.384052	5.898574
B3GNT4	21.45852	14.24551
B3GNT5	6.305461	2.622541
B3GNT6	171.34	54.23627
B3GNT7	8.857862	14.93265
B3GNT8	7.189371	4.19954
B3GNT9	18.33135	11.72529
B3GNTL1	10.7965	6.976314
B4GALNT1	20.3894	4.259574
B4GALNT2	17.84124	8.294013
B4GALNT3	15.93866	6.723796
B4GALNT4	1.736074	1.936803
B4GALT1	8.22495	4.918635
B4GALT2	18.74546	8.507356
B4GALT3	10.13946	10.02547
B4GALT4	19.32679	13.66949
B4GALT5	26.4986	38.05893
B4GALT6	23.33964	23.41971
B4GALT7	5.760506	2.560976
B4GAT1	4.355252	1.164158
B9D1	16.2447	9.320784
B9D2	15.99592	12.47277
BAALC	14.39276	7.374059
BAAT	26.91073	20.86616
BABAM1	18.51195	17.96653
BABAM2	8.703561	4.172373
BACE1	29.11776	20.66763
BACE2	8.829795	6.153936
BACH1	22.69785	8.707748
BACH2	6.155361	6.106528
BAD	10.3115	5.443681
BAG1	6.892921	1.62021
BAG2	11.74472	11.58834
BAG3	8.169158	3.077908
BAG4	5.113228	2.232497
BAG5	5.356255	2.709566
BAG6	6.891725	22.24558
BAHCC1	9.542299	3.735109
BAHD1	8.170936	4.121746

BAIAP2	10.74823	8.331601
BAIAP2L1	11.91832	9.677137
BAIAP2L2	11.59646	4.434399
BAK1	13.41359	9.407597
BAMBI	5.579176	3.443068
BANF1	5.400514	3.548995
BANF2	12.68382	10.30811
BANK1	12.17236	4.370614
BANP	6.337302	4.408907
BAP1_1	0.183	0.019238
BAP1_2	24.25532	11.61204
BARD1	15.4366	7.944528
BARHL1	7.454219	6.454059
BARHL2	18.23259	5.696233
BARX1	19.1121	3.528942
BARX2	8.147773	2.945189
BASP1	8.117183	5.129779
BATF	7.529424	5.943466
BATF2	16.33025	17.74016
BATF3	15.75023	4.584854
BAX	23.62435	16.09743
BAZ1A	0	0.030062
BAZ1B	20.47356	12.30513
BAZ2A	12.03215	8.119014
BAZ2B	2.266244	1.996687
BBC3	3.771398	2.502323
BBIP1	15.21839	6.645175
BBOF1	20.7566	15.11109
BBOX1	21.50046	14.13289
BBS1	5.044137	2.948664
BBS10	5.711056	4.220283
BBS12	0.377151	0.029011
BBS2	35.83988	8.917572
BBS4	13.82677	7.020583
BBS5	30.26304	23.48476
BBS7	11.97832	5.5492
BBS9	14.88494	13.6303
BBX	9.44739	6.392614
BCAM	40.47009	16.98003
BCAN	11.55538	6.886886
BCAP29	28.44865	9.649726
BCAP31	9.364037	3.688347
BCAR1	96.54448	84.81352
BCAR3	12.87065	8.873806
BCAR4	22.3939	22.85277
BCAS1	5.88106	3.465513
BCAS2	0.093484	0.098276
BCAS3	11.1253	4.045746
BCAS4	5.144507	2.08796
BCAT1	9.252891	4.227

BCAT2	7.169708	5.310646
BCCIP	8.241323	6.001115
BCDIN3D	10.53383	3.942942
BCHE	28.35768	18.56468
BCKDHA	9.196735	9.297389
BCKDHB	6.174231	3.556219
BCKDK	11.14586	6.379834
BCL10	4.817098	3.862118
BCL11A	2.43226	2.30416
BCL11B	9.529593	5.847709
BCL2	18.61787	28.76091
BCL2A1	10.41948	7.49105
BCL2L1	5.528752	3.877424
BCL2L10	9.92612	5.417821
BCL2L11	3.720694	1.629328
BCL2L12	5.295784	0.357197
BCL2L13	16.48163	5.964051
BCL2L14	32.33694	10.52904
BCL2L15	7.944618	3.594499
BCL2L2	5.590505	2.057277
BCL3	7.465092	4.178941
BCL6	14.08169	6.864038
BCL6B	16.62215	7.473349
BCL7A	25.99905	14.67131
BCL7B	7.972254	5.245069
BCL7C	21.59369	7.935649
BCL9	11.40237	6.466069
BCL9L	10.71365	3.476103
BCLAF1	17.19469	5.514926
BCLAF3	11.18474	3.993394
BCL-XLP1	21.18641	9.546995
BCL-XLP2	30.90814	18.29674
BCNT2	4.505916	2.880028
BCO1	12.60507	8.483737
BCO2	9.126802	4.431326
BCOR	10.1252	2.755446
BCORL1	9.577935	5.077397
BCR	10.21728	4.25474
BCS1L	31.76013	28.8454
BDA20	18.02732	21.44074
BDH1	30.0241	23.11823
BDH2	61.09889	21.39708
BDKRB1	6.13532	4.23565
BDKRB2	6.465551	2.866394
BDNF	2.759099	2.578978
BDP1	19.54355	10.76134
BEAN1	1.644904	0.3868
BECN1	21.54558	24.68752
BECN2	5.455282	5.313469
BEGAIN	29.43798	17.78417

BEND2	15.34086	4.937934
BEND3	20.0156	3.05593
BEND4	13.56228	8.625316
BEND5	13.71975	6.933017
BEND6	7.584708	2.718974
BEND7	13.88036	12.27233
BERV-K1	1.913562	3.147261
BEST1	47.38535	2.817401
BEST2	5.914717	4.763642
BEST3	44.65829	49.8828
BEST4	27.94981	16.76641
BET1	2.065586	1.25277
BET1L	5.437195	2.312619
BEX2_1	2.522037	1.243201
BEX2_2	28.95297	22.94029
BEX3	21.01626	16.80637
BEX4	16.92811	16.91695
BEX5	19.46332	12.70244
BFAR	10.14012	3.438951
BFSP1	23.98294	15.70127
BFSP2	15.99774	8.87866
BGLAP	6.605769	1.48113
BGN	8.654478	5.412629
BHLHA15	22.72934	22.31242
BHLHA9	33.20087	19.55996
BHLHE22	209.2186	90.55026
BHLHE23	10.88038	9.703606
BHLHE40	36.13269	51.73261
BHLHE41	13.0626	5.159871
BHMG1	10.88203	4.414752
BHMT	14.30121	6.819484
BHMT2	21.57522	12.95737
BICC1	3.040647	2.059376
BICD1	46.63723	16.12888
BICD2	15.99987	5.897498
BICDL1	69.64361	6.470391
BICDL2	24.05484	15.55979
BICRA	53.81035	26.35482
BICRAL	7.224936	2.40109
BID	15.06788	8.849624
BIK	36.30498	48.02457
BIN1	65.15492	19.1712
BIN2	26.19673	13.7011
BIN3	5.626346	4.216138
BIRC2	12.8103	12.73292
BIRC3	15.66197	7.178299
BIRC5	2.166426	1.243729
BIRC6	12.31452	4.112505
BIRC7	24.72874	9.893093
BIVM	7.345057	4.274977

BLA-DQB	13.60226	6.928403
BLCAP	6.564472	3.058421
BLK	5.347855	4.321337
BLM	15.89182	7.955679
BLMH	20.49844	12.65676
BLNK	11.83747	7.42038
BLOC1S1	11.41773	6.543292
BLOC1S2	4.671927	2.432475
BLOC1S3_1	9.922405	6.22525
BLOC1S3_2	12.65392	4.964848
BLOC1S4	12.86443	6.047424
BLOC1S5	4.171309	2.067
BLOC1S6	15.95707	24.82367
BLVRA	5.744985	4.250701
BLVRB	5.405657	4.563313
BLZF1	19.22533	11.66123
BMF	36.0887	21.45344
BMI1	12.06336	5.857825
BMP1	57.1544	35.91504
BMP10	7.587515	7.047776
BMP15	16.95413	14.86872
BMP2	16.9183	8.430906
BMP2K	27.26212	19.00877
BMP3	2.763713	3.252484
BMP4	22.38141	9.497436
BMP5	6.927213	3.883067
BMP6	18.58342	10.74587
BMP7	12.62047	17.10688
BMP8A	35.27806	23.96787
BMP8B	30.63323	23.94104
BMPER	10.81569	7.134314
BMPR1A	2.244357	2.267597
BMPR1B	3.62473	1.875497
BMPR2	14.30791	7.673396
BMS1	3.102421	1.456123
BMT2	4.259822	3.62235
BMX	9.186797	4.491836
BNC1	14.35174	7.744891
BNC2	18.18984	8.236835
BNIP1	11.33826	8.580396
BNIP2	16.82011	9.331432
BNIP3	9.372638	7.260813
BNIP3L	7.886089	4.445332
BNIPL	3.692946	2.765692
BOC	6.178444	4.20982
BOD1	9.956257	13.75284
BOD1L1	0.460486	0.278352
BOK	21.71153	8.178963
BoLA	2.361956	1.629137
BOLA_1	18.0856	12.27386

BOLA_2	11.11462	10.39791
BOLA_3	44.12245	17.75615
BOLA_4	21.38787	11.07656
BOLA1	6.434786	5.488974
BOLA2B	12.35722	4.78338
BOLA3	9.14912	4.547031
BOLA-DMA	6.756436	5.194246
BOLA-DMB	3.066314	1.647669
BOLA-DOA	13.34111	7.202841
BOLA-DOB	4.797812	3.163713
BOLA-DQA2	13.3098	3.394594
BOLA-DQA5	3.501771	3.351894
BOLA-DQB	4.9364	1.520286
BOLA-DRA	24.37118	12.5462
BOLA-DRB2	3.902019	2.88557
BOLA-DRB3	11.01225	10.80438
BOLA-DYA	15.16521	6.46754
BOLA-DYB	14.17938	11.34646
BOLA-NC1	30.29644	22.33517
BOLL	12.88547	8.336714
BOP1	7.420229	2.564047
BORA	4.920997	3.646714
BORCS5	12.90288	14.19936
BORCS6	7.921599	6.91126
BORCS7	15.24227	8.57158
BORCS8	11.60138	2.537868
BOSTAUV1R403	27.99732	17.31181
BOSTAUV1R404	2.017834	0.902418
BOSTAUV1R414	15.90398	14.61306
BOSTAUV1R416	11.87391	35.39301
BOSTAUV1R417	4.681722	3.011933
BOSTAUV1R418	17.76836	23.90682
BOSTAUV1R419	21.74594	5.302786
BOSTAUV1R424	28.09382	15.37791
BOSTAUV1R425	17.71033	5.009167
BOSTAUV1R426	17.11521	12.62742
BOSTAUV1R-PS405	9.643561	7.112059
BOTA-T2R10B	32.80943	12.87045
BPGM	5.971716	4.716163
BPHL	7.333378	0.256147
BPI	7.728335	4.475766
BPIFA1	12.05014	6.439417
BPIFA2A	15.73857	10.7425
BPIFA2B	78.23781	34.01616
BPIFA2C	14.29501	5.939211
BPIFA2D	0.486165	0.337316
BPIFA3	5.263832	4.133928
BPIFA4	7.785822	5.328815
BPIFB1	6.628709	2.277816
BPIFB2	11.11494	1.163753

BPIFB3	0.997766	0.14216
BPIFB4	11.0497	7.066767
BPIFB5	15.32824	11.08399
BPIFB6	2.828289	1.146272
BPIFC	6.787147	2.574922
BPNT1	26.78135	5.404658
BPTF	7.194759	7.620752
BRAF	9.468887	4.452013
BRAP	8.023517	2.825108
BRAT1	15.73686	9.623597
BRB	5.871561	2.652495
BRCA1	4.094331	2.541244
BRCA2	14.50206	5.886544
BRCC3	8.158687	2.482541
BRD1	15.96238	3.084165
BRD2	7.533654	4.723628
BRD3	7.337783	4.950408
BRD3OS	11.63684	3.876678
BRD4	5.820178	4.728098
BRD7	9.377273	5.343681
BRD8	6.97575	4.908295
BRD9	0.65597	0.443311
BRDT	1.872907	2.069367
BREH1	19.40294	4.090656
BRF1	18.97165	12.54686
BRF2	8.743812	4.184625
BRI3	7.02898	4.125268
BRI3BP	12.27431	6.667801
BRICD5	3.932738	4.440141
BRINP1	17.02885	8.828577
BRINP2	2.526545	1.280839
BRINP3	15.80891	9.662791
BRIP1	5.758325	5.578176
BRIX1	5.70623	4.852029
BRK1	19.35357	11.37079
BRMS1	4.976121	2.568787
BRMS1L	19.26847	8.33525
BROX	9.512336	4.688128
BRPF1	3.424409	2.363634
BRPF3	46.43024	36.846
BRS3	12.1728	5.844431
BRSK1	14.48723	6.103384
BRSK2	0.157707	0.820666
BRWD1	6.825142	4.082327
BRWD3	78.56177	33.09368
BSCL2	11.17505	3.816663
BSDC1	11.28359	6.611217
BSG	3.487812	0.512319
BSN	9.394222	4.560206
BSND	6.076609	2.65324

BSP1	13.15184	6.738781
BSP3	6.336933	3.114914
BSP5	6.226436	7.722169
BSPRY	5.290518	6.186834
BST1	5.207742	2.774088
BSX	1.349424	0.669892
BTAF1	8.728315	3.135285
BTBD1	19.4834	12.46255
BTBD10	4.751899	1.036925
BTBD11	5.955673	1.724576
BTBD16	55.74236	9.26037
BTBD17	21.01369	13.37875
BTBD18	20.3387	20.39729
BTBD19	53.62798	17.52003
BTBD2	43.52672	11.75439
BTBD3	9.890392	6.841483
BTBD6	33.35015	16.85469
BTBD7	15.36621	6.428089
BTBD8	15.29678	13.37015
BTBD9	8.993973	10.91588
BTC	5.861325	2.055605
BTD	8.881585	8.182572
BTF3	11.80477	4.76757
BTF3L4	7.29018	5.051582
BTG1	3.00884	1.187285
BTG2	4.773373	2.385125
BTG3	7.472715	3.202537
BTG4	2.683004	1.414722
BTIGGHB	9.075223	2.348411
BTK	8.616534	10.34225
BTLA	4.849492	2.026946
BTN1A1	10.73199	5.244039
BTN3A3	7.309328	4.377242
BTNL2	50.17996	23.59845
BTNL9	14.98094	8.284042
BTRC	12.33422	10.01879
BUB1	4.261555	2.840653
BUB1B	23.02829	21.60505
BUB3	4.13591	2.504456
BUD13	3.690639	2.569642
BUD23	11.57265	4.873928
BUD31	8.38973	6.269598
BVD1.15	3.739239	2.705982
BVD1.23	5.008402	2.165962
BVES	20.65801	10.30073
BYSL	3.221048	1.992135
BZW1	18.25217	7.890785
BZW2	8.881234	8.191412
C10H14orf1	7.458989	1.935377
C10H14orf119	9.740678	5.623016

C10H14orf39	33.53147	12.27152
C10H14orf93	1.270727	2.083523
C10H15orf41	13.86958	12.56968
C10H15orf48	5.682127	2.942485
C10H15orf59	6.326272	2.428631
C10H15orf61	6.697669	2.718974
C10H15orf62	7.84919	4.710896
C10H15orf65	8.809195	6.941805
C11H2orf15	2.590332	0.095185
C11H2orf16	9.771707	5.365137
C11H2orf40	10.59229	8.883965
C11H2orf42	20.25597	13.88499
C11H2orf49	4.923753	3.122719
C11H2orf50	5.652662	5.284834
C11H2orf68	10.57845	10.12042
C11H2orf70	15.37106	5.903956
C11H2orf71	4.648676	2.315149
C11H2orf73	3.40934	2.88376
C11H2orf74	36.88455	11.84109
C11H2orf78	12.23574	14.03458
C11H2orf81	10.35374	4.84269
C11H2orf92	11.45393	4.103908
C11H9orf116	4.002107	1.449558
C11H9orf16	8.456571	4.253488
C11H9orf50	15.52206	13.12933
C11H9orf78	4.676026	4.218004
C12H13orf42	5.734597	4.344507
C12H13orf46	3.496966	2.799202
C13H10orf113	36.90413	8.278009
C13H10orf67	5.71009	5.626744
C13H20orf141	18.54675	10.15614
C13H20orf144	6.18787	12.18078
C13H20orf173	8.87625	7.820704
C13H20orf194	8.296331	6.772017
C13H20orf202	2.471248	3.771179
C13H20orf204	6.11568	3.710195
C13H20orf27	14.60373	15.83041
C13H20orf85	16.13212	8.434554
C13H20orf96	7.442982	4.240406
C14H8orf33	3.376476	2.476068
C14H8orf34	11.21945	6.367493
C14H8orf37	13.14816	6.349749
C14H8orf59	8.453464	4.494079
C14H8orf76	12.79178	8.782386
C14H8orf82	20.46851	7.201734
C14H8orf88	3.337385	2.221041
C14H8orf89	6.651422	6.888236
C15H11orf1	3.711346	1.493008
C15H11orf16	5.349981	2.478623
C15H11orf34	7.368405	4.797384

C15H11orf42	8.184796	4.563746
C15H11orf49	7.864406	5.334709
C15H11orf52	0.138283	0.20998
C15H11orf53	3.991828	2.316503
C15H11orf58	26.49502	20.27371
C15H11orf65	7.582842	4.677396
C15H11orf71	3.073034	2.150547
C15H11orf74	7.827032	9.367674
C15H11orf87	10.21023	7.420727
C15H11orf88	10.5838	6.185892
C15H11orf91	24.90875	16.10303
C15H11orf94	16.50719	7.842022
C15H11orf96	0.59245	0.368334
C15H11orf97	9.215864	5.559789
C16H1orf100	6.144994	2.791221
C16H1orf105	6.483357	9.940786
C16H1orf112	16.11459	12.78748
C16H1orf115	8.647884	1.564991
C16H1orf116	7.784996	6.242869
C16H1orf158	5.312534	2.051874
C16H1orf159	6.597928	5.207457
C16H1orf167	23.84033	12.63472
C16H1orf174	5.014142	5.394058
C16H1orf21	19.05647	17.59682
C16H1orf53	4.625221	2.308678
C16H1orf74	4.724883	3.548735
C17H12orf43	30.12126	14.5815
C17H12orf49	34.39446	42.91965
C17H12orf65	28.4283	14.37282
C17H22orf15	16.25844	8.570238
C17H22orf31	6.118914	5.967726
C17H22orf39	6.821263	2.526421
C17H4orf33	12.38709	4.098041
C17H4orf45	2.195158	1.634052
C17H4orf46	3.778995	3.273804
C17H4orf51	2.88988	1.555327
C17H5orf52	7.187617	5.60456
C18H16orf46	10.14623	2.862489
C18H16orf70	2.567921	2.320838
C18H16orf74	4.855828	3.018082
C18H16orf78	12.9516	7.461706
C18H16orf86	2.056716	0.770997
C18H16orf87	18.0793	9.138271
C18H16orf95	0.230186	0.151241
C18H19orf12	5.765103	5.424015
C18H19orf18	24.40376	17.57744
C18H19orf33	19.38996	7.135203
C18H19orf47	6.408954	0.594368
C18H19orf48	13.88753	11.84487
C18H19orf54	3.226091	2.36096

C18H19orf73	6.375445	3.582899
C18H19orf81	12.08672	8.585918
C18H19orf84	33.91462	39.18658
C19H17orf100	4.733772	2.852749
C19H17orf107	10.3046	8.741118
C19H17orf113	12.94651	9.685824
C19H17orf47	26.80174	14.54876
C19H17orf49	6.780466	3.126243
C19H17orf50	13.40762	0.081473
C19H17orf53	5.177406	3.383558
C19H17orf58	26.57872	16.44378
C19H17orf64	10.2901	5.695365
C19H17orf67	12.235	3.145137
C19H17orf75	5.331605	4.006909
C19H17orf78	91.82488	43.41707
C19H17orf80	11.42661	6.792124
C19H17orf97	6.641225	3.922225
C19H17orf98	19.36954	11.72993
C1D	58.52528	10.77583
C1GALT1	4.402928	2.237015
C1GALT1C1	11.69035	8.809559
C1H21orf140	7.081384	5.351578
C1H21orf2	10.23279	6.584589
C1H21orf58	41.49401	20.74617
C1H21orf62	12.39351	7.654502
C1H21orf91	23.69146	12.44261
C1H3orf30	7.740723	5.560876
C1H3orf33	6.037975	6.597722
C1H3orf38	22.6118	12.93655
C1H3orf52	7.075078	7.835827
C1H3orf58	9.93743	8.407591
C1H3orf70	17.81086	11.4412
C1H3orf80	15.06125	9.040004
C1H3orf85	18.28782	12.07756
C1QA	2.2464	1.072271
C1QB	27.88994	21.04555
C1QBP	7.060149	0.009508
C1QC	8.001661	3.061228
C1QL1	31.53878	22.52804
C1QL2	13.67179	9.938147
C1QL3	31.34927	16.84064
C1QL4	16.10597	11.06795
C1QTNF1	5.126043	4.865268
C1QTNF12	24.95665	15.35211
C1QTNF2	8.851352	4.478049
C1QTNF3	4.308955	1.77785
C1QTNF4	18.89838	8.911211
C1QTNF5	4.186584	3.570166
C1QTNF6	18.33798	4.097816
C1QTNF7	8.189632	1.698379

C1QTNF8	22.37688	23.58543
C1QTNF9	46.23963	27.34155
C1R	21.78602	16.36389
C1RL	10.09889	8.951137
C1S	15.43414	6.339064
C2	6.56146	6.896033
C20H5orf22	9.580407	10.86418
C20H5orf34	10.49755	11.65964
C20H5orf47	8.396928	6.151356
C20H5orf49	23.19151	16.40114
C20H5orf51	75.8503	33.32231
C20H5orf58	24.71426	12.77441
C21H14orf132	5.25304	6.240086
C21H14orf180	15.53575	13.60888
C21H14orf28	5.104082	3.712147
C21H15orf39	6.773529	5.039339
C21H15orf40	3.354632	2.54399
C22H3orf14	10.77904	4.298751
C22H3orf18	13.58685	7.148606
C22H3orf20	8.921081	4.379355
C22H3orf22	16.18014	6.45249
C22H3orf35	9.084153	7.462923
C22H3orf49	7.759187	7.936948
C22H3orf62	4.953989	1.64669
C22H3orf67	14.56982	10.56345
C22H3orf84	8.201097	6.726183
C23H6orf10	18.52968	11.73493
C23H6orf106	3.859054	1.608013
C23H6orf132	7.430441	2.360885
C23H6orf136	10.26187	15.17133
C23H6orf141	46.41385	37.05542
C23H6orf15	18.62284	7.618511
C23H6orf201	6.194918	3.759916
C23H6orf222	4.901696	8.434211
C23H6orf223	13.30648	6.625192
C23H6orf226	12.81672	2.895584
C23H6orf47	7.201755	4.007736
C23H6orf52	2.349112	1.212313
C23H6orf62	11.16763	3.761644
C23H6orf89	8.262904	7.657934
C24H18orf21	40.67821	34.04732
C24H18orf25	11.50448	10.69821
C24H18orf32	12.40343	17.23105
C24H18orf54	4.384214	3.110995
C24H18orf63	16.158	11.32331
C25H16orf45	17.46288	3.141544
C25H16orf54	6.815038	4.096507
C25H16orf58	13.88029	4.877668
C25H16orf71	5.631797	3.402913
C25H16orf72	6.626574	4.221093

C25H16orf82	3.631565	2.805423
C25H16orf89	6.595953	4.051361
C25H16orf90	19.0127	7.046887
C25H16orf91	10.39253	12.7379
C25H16orf92	3.176631	3.66702
C25H16orf96	3.092669	2.352587
C25H7orf26	15.93681	9.961868
C25H7orf43	5.847963	3.864859
C25H7orf50	15.28296	4.08836
C25H7orf61	0.273532	0.182117
C26H10orf120	11.27469	10.88397
C26H10orf143	18.39025	7.780655
C26H10orf62	3.047077	1.708872
C26H10orf82	9.794077	7.5289
C26H10orf88	19.54487	9.209708
C26H10orf90	13.64667	6.58608
C26H6orf52	14.21742	13.50113
C27H4orf47	17.03712	10.4311
C27H8orf48	5.128337	3.925518
C28H10orf105	6.909577	3.549856
C28H10orf53	26.43849	27.30849
C28H10orf71	1.263826	0.936908
C28H10orf99	15.20538	12.43914
C28H1orf131	5.77163	3.039535
C28H1orf198	2.541803	1.34244
C29H11orf24	11.20877	7.21625
C29H11orf54	6.656675	4.891798
C29H11orf68	10.91934	7.700177
C29H11orf80	4.233597	1.716447
C29H11orf86	9.634136	7.74789
C29H11orf95	7.903252	9.883452
C29H11orf98	8.046564	7.139294
C2CD2	14.39896	12.8263
C2CD2L	17.32595	10.13457
C2CD3	17.56429	6.535515
C2CD4B	11.52861	3.52143
C2CD4C	6.993181	3.533719
C2CD4D	18.75357	10.45323
C2CD5	8.418848	3.443347
C2CD6	21.5817	15.56197
C2H2orf66	16.08409	12.09301
C2H2orf69	5.18815	2.552671
C2H2orf72	14.63776	10.42664
C2H2orf76	2.098099	1.261789
C2H2orf80	2.696954	0.919239
C2H2orf88	18.6851	6.94111
C3	41.04355	9.612451
C3AR1	3.761003	2.208424
C3H1orf109	12.27735	4.889087
C3H1orf123	8.50382	13.45382

C3H1orf141	24.04109	9.107448
C3H1orf146	15.05502	14.29846
C3H1orf162	14.76504	8.771334
C3H1orf185	3.345945	2.39545
C3H1orf189	9.437819	4.367684
C3H1orf194	13.74208	9.66491
C3H1orf210	5.179776	2.809762
C3H1orf216	5.62762	3.697557
C3H1orf226	7.944944	9.69407
C3H1orf43	11.57799	8.022557
C3H1orf50	7.269991	3.999891
C3H1orf52	33.96139	18.97567
C3H1orf54	8.352752	4.162089
C3H1orf56	16.8534	9.399982
C3H1orf68	10.00611	7.350351
C3H1orf87	5.733304	3.650102
C3H1orf94	7.049704	7.171239
C3H2orf54	36.05471	11.43079
C4A	3.937451	1.854294
C4BPA	6.241432	3.991685
C4BPB	9.735737	4.473428
C4H7orf25	5.153222	3.058417
C4H7orf31	8.895647	8.809764
C4H7orf57	7.010493	2.075006
C5	6.206982	4.500904
C5AR1	8.412392	4.623478
C5AR2	20.75062	12.64167
C5H12orf10	11.08242	8.556412
C5H12orf29	14.64558	6.688205
C5H12orf4	9.726066	14.29597
C5H12orf40	7.897364	7.154067
C5H12orf42	7.715365	12.66199
C5H12orf45	7.889274	4.517129
C5H12orf50	16.16083	9.455462
C5H12orf54	4.353437	3.032382
C5H12orf56	3.888267	2.756315
C5H12orf57	3.448527	2.016318
C5H12orf60	7.644273	2.831024
C5H12orf66	9.657191	2.089924
C5H12orf71	0.394148	0.154098
C5H12orf73	3.105622	1.637525
C5H12orf75	9.178233	4.552913
C5H12orf80	12.78392	7.528445
C5H22orf23	9.481726	4.567876
C5H22orf46	4.838478	3.996675
C6	5.69203	3.213333
C6H4orf17	7.204368	5.423439
C6H4orf19	9.040283	6.040391
C6H4orf3	13.16005	7.933611
C6H4orf36	3.646926	2.758791

C6H4orf48	13.29586	5.743979
C6H4orf50	7.199392	2.905205
C6H4orf54	2.776931	1.372344
C7	8.624795	4.191751
C7H19orf24	5.07893	2.631265
C7H19orf25	56.25021	12.79053
C7H19orf38	7.86168	3.937655
C7H19orf44	10.6059	11.8602
C7H19orf53	20.19395	17.58726
C7H19orf57	14.90817	10.92263
C7H19orf66	7.179319	4.44857
C7H19orf67	4.822668	2.623988
C7H19orf70	18.32335	9.779016
C7H19orf71	0.677346	0.503657
C7H1orf35	6.285185	4.485028
C7H5orf15	6.296048	3.927561
C7H5orf24	6.665794	3.56737
C7H5orf30	10.70732	5.539495
C7H5orf46	9.899566	8.452918
C7H5orf63	1.830106	0.837541
C8A	5.861458	3.940874
C8B	4.526757	2.144309
C8G	2.074731	3.086512
C8H8orf58	2.735568	3.954657
C8H8orf74	7.269057	13.04047
C8H9orf131	5.423297	3.939947
C8H9orf135	5.704871	3.201023
C8H9orf152	12.11667	6.131537
C8H9orf153	1.18216	1.332368
C8H9orf3	3.90566	2.941242
C8H9orf40	4.706273	2.035419
C8H9orf43	21.14192	1.539227
C8H9orf57	8.696755	4.214409
C8H9orf64	11.07467	7.049191
C8H9orf72	4.741725	4.585179
C8H9orf84	6.581277	3.308993
C8H9orf85	15.07343	11.3192
C9	14.77059	13.60525
C9H6orf118	11.80798	8.690552
C9H6orf120	3.109487	1.72609
C9H6orf163	24.33099	9.117994
C9H6orf203	4.226236	2.900566
C9H6orf58	12.00713	6.748822
CA1	2.352432	1.481504
CA10	9.468055	1.622483
CA11	10.76281	5.510703
CA12	6.695042	7.422832
CA13	4.374582	6.542817
CA14	0.35873	0.265379
CA2	15.14769	8.889404

CA3	3.167096	1.654303
CA4	4.448882	1.440761
CA5A	1.081985	0.560027
CA5B	17.05793	19.1845
CA6	18.71106	9.828989
CA7	10.2142	1.84685
CA8	1.880303	6.569395
CA9	11.84788	8.498429
CAAP1	6.724629	3.157177
CAB39	1.33727	1.088119
CAB39L	6.416814	4.68579
CABCOCO1	1.45192	0.886265
CABIN1	8.940202	5.152882
CABLES1	16.16743	23.54509
CABLES2	8.992998	5.892663
CABP1	9.516403	5.678277
CABP2	13.80603	6.778632
CABP4	2.245139	1.411585
CABP5	3.870334	0.681366
CABP7	6.363557	3.782335
CABS1	3.590115	2.98506
CABYR	16.63385	8.374239
CACFD1	13.81439	13.83353
CACHD1	25.77438	17.04117
CACNA1A	7.416188	0.506762
CACNA1B	18.47742	5.998636
CACNA1C	2.762341	1.972952
CACNA1D	0.013309	0
CACNA1E	21.75691	17.06237
CACNA1F	3.290933	2.816428
CACNA1G	14.20605	9.675979
CACNA1H	11.20206	8.428819
CACNA1I	9.753859	8.345861
CACNA1S	15.30834	5.292852
CACNA2D1	1.693303	1.619555
CACNA2D2	48.1885	23.13866
CACNA2D3	4.977131	5.13774
CACNA2D4	8.951784	9.53176
CACNB1	8.122514	3.243347
CACNB2	3.876683	4.307932
CACNB3	13.84236	9.509298
CACNB4	4.098357	4.343372
CACNG1	15.12206	5.763424
CACNG2	3.911264	1.082041
CACNG3	3.372616	2.371264
CACNG4	34.36887	11.94527
CACNG5	10.33452	7.259367
CACNG6	2.277779	1.411127
CACNG7	11.90262	11.98696
CACTIN	7.887364	3.747859

CACUL1	2.811527	2.716222
CACYBP	21.1619	10.73133
CAD	18.79773	10.87333
CADM1	1.171501	0.042176
CADM2	3.887306	2.043285
CADM3	4.233653	2.027351
CADM4	13.96321	8.256094
CADPS	33.65103	22.71971
CADPS2	3.973818	1.834661
CAGE1	15.00109	22.33164
CALB1	5.957947	3.369585
CALB2	8.224377	1.775721
CALCA	7.603148	5.986237
CALCB_1	36.54923	11.48048
CALCB_2	33.01628	12.41007
CALCOCO1	4.967963	3.416053
CALCOCO2	24.05962	12.93055
CALCR	9.906669	6.062951
CALCRL	18.66548	16.08768
CALD1	4.451992	2.200302
CALHM1	4.123764	2.338698
CALHM2	6.372701	3.222821
CALHM3	10.91363	7.180215
CALHM4	11.44016	9.29859
CALHM5	12.92461	5.292085
CALHM6	4.548683	3.256858
CALM	21.60611	7.230375
CALM1	6.805188	6.059189
CALM2	3.494788	3.83309
CALM3	6.455957	4.995943
CALML4	7.879438	5.925699
CALML5	4.226863	4.281278
CALML6	8.140853	7.224275
CALN1	8.416084	6.128517
CALR	9.96552	3.549195
CALR3	19.06246	13.02524
CALU	22.87367	16.44297
CALY	21.07171	13.3469
CAMK1	13.39704	8.765903
CAMK1D	8.131357	1.819895
CAMK1G	12.11237	0.146312
CAMK2A	27.31047	17.33696
CAMK2B	8.542053	8.91968
CAMK2D	7.668291	4.234823
CAMK2G	8.268414	3.922323
CAMK2N1	0.613423	1.874811
CAMK2N2	13.00461	4.647306
CAMK4	1.715376	0.644705
CAMKK1	7.072207	3.275665
CAMKK2	4.527433	2.411067

CAMKMT	4.139359	3.339143
CAMKV	11.63878	10.32411
CAMLG	7.145327	2.916874
CAMP	10.80815	6.093725
CAMSAP1	3.776161	2.543279
CAMSAP2	18.06751	8.254844
CAMSAP3	6.205064	3.312623
CAMTA1	4.557715	3.084306
CAMTA2	29.66456	13.28396
CAND1	7.142348	3.304862
CAND2	8.916337	4.856433
CANT1	3.672988	2.763218
CANX	5.426049	2.702334
CAP1	4.562724	4.335758
CAP2	10.54644	8.05597
CAPG	17.01084	28.93447
CAPN1	2.716755	1.86319
CAPN10	9.415642	5.796913
CAPN11	4.711156	0.331476
CAPN12	8.814297	5.413603
CAPN13	8.422241	5.999137
CAPN14	9.641469	5.601013
CAPN15	18.5831	2.214329
CAPN2	4.843539	0.44317
CAPN3	8.409625	4.142565
CAPN5	11.0306	11.53416
CAPN6	10.33886	4.957713
CAPN7	9.01234	5.264607
CAPN8	10.26951	1.472712
CAPNS1	98.08283	41.54683
CAPNS2	9.475129	2.967709
CAPRIN1	11.17069	3.419568
CAPRIN2	12.09024	8.71227
CAPS	16.78103	8.052238
CAPS2	7.505142	4.048629
CAPSL	21.42101	15.45651
CAPZA1	7.696011	5.554676
CAPZA2	13.43788	5.458305
CAPZA3	8.234555	6.034855
CAPZB	7.368467	3.366349
CARD10	11.40406	1.538666
CARD11	5.938774	2.112511
CARD14	12.44613	7.030899
CARD19	4.419425	2.46675
CARD6	10.05934	4.845792
CARD9	9.604926	9.320202
CARF	1.021832	0.23609
CARHSP1	3.636637	2.460861
CARM1	3.705585	4.147059
CARMIL1	6.983702	5.490674

CARMIL2	5.418546	2.53587
CARMIL3	15.34234	8.843071
CARNMT1	1.866024	1.18613
CARNS1	12.20084	6.975177
CARS	7.363701	5.705812
CARS2	6.793758	8.252148
CARTPT	46.09624	45.86546
CASC1	6.720389	4.189894
CASC10	4.912746	2.470451
CASC3	2.436651	2.474657
CASC4	6.972281	3.839653
CASD1	37.89107	8.204484
CASK	55.06878	22.60667
CASKIN1	5.444203	6.872962
CASKIN2	26.99058	16.81186
CASP1	5.34414	3.038453
CASP14	34.03784	22.51839
CASP2	16.17675	3.202334
CASP3	14.81147	6.969661
CASP4	9.949185	7.998074
CASP6	3.186686	2.607186
CASP7	4.859949	5.474592
CASP8	2.559266	1.606666
CASP8AP2	3.374456	2.434794
CASP9	6.683536	6.661909
CASQ1	7.652941	11.69573
CASQ2	2.875897	1.67962
CASR	5.30475	1.747912
CASS4	9.064524	4.161078
CAST	3.767516	2.09361
CASTOR1	9.444301	3.204792
CASTOR2	23.33857	16.47774
CASZ1	6.470411	1.769259
CAT	5.231901	3.516176
CATHL1	4.946437	2.889301
CATHL2	17.42304	13.87363
CATHL3	13.58241	6.236579
CATHL4	6.970034	2.46305
CATHL5	27.36635	25.69968
CATHL6	11.13455	3.278576
CATIP	4.2978	2.925432
CATSPER1	4.38129	2.634068
CATSPER2	11.31359	6.953789
CATSPER3	2.29395	1.286154
CATSPER4	15.82442	4.494823
CATSPERB	7.879595	4.840088
CATSPERD	14.47004	8.014719
CATSPERE	17.6137	6.142544
CATSPERG	11.50475	4.358374
CATSPERZ	2.347722	0.915573

CAV1	6.814745	6.693065
CAV2	11.33873	4.994316
CAV3	4.660691	2.753755
CAVIN1	3.178658	2.868632
CAVIN2	24.11047	22.45165
CAVIN3	12.34933	4.466886
CAVIN4	6.770922	5.101514
CBARP	3.532672	2.966558
CBFA2T2	6.265399	1.402012
CBFA2T3	14.93708	11.78725
CBFB	0.982785	0.845314
CBL	4.061668	2.660079
CBLB	5.217529	2.539669
CBLC	10.39984	6.816448
CBLL1	2.151707	1.490866
CBLN1	5.806534	4.596815
CBLN2	12.34805	7.493743
CBLN3	18.56806	8.058578
CBLN4	5.060339	6.447008
CBR1	4.747602	3.826623
CBR3	13.91179	9.762488
CBR4	13.62515	4.961843
CBS	8.543188	6.536158
CBWD2	11.61899	0.163436
CBX1	15.86626	12.22964
CBX2	4.076709	1.987425
CBX3	17.12201	16.38505
CBX4	22.90309	26.0788
CBX5	11.4491	5.455672
CBX6	5.654192	3.549705
CBX7	6.772791	2.811473
CBX8	4.925826	2.449909
CBY1	6.184948	4.729302
CBY3	25.23569	14.37495
CC2D1A	22.64326	15.4287
CC2D1B	24.97488	25.95723
CC2D2A	1.780934	0.624075
CC2D2B	2.411073	1.247759
CCAR1	15.68476	7.229866
CCAR2	4.594053	4.598027
CCBE1	7.582555	7.440704
CCDC102A	14.29237	9.315146
CCDC102B	12.72793	11.64618
CCDC103	3.547221	1.84344
CCDC105	7.562596	4.382004
CCDC106	2.775795	1.728327
CCDC107	2.785775	0.430844
CCDC110	2.137735	0.959964
CCDC112	15.08131	10.50076
CCDC113	9.145562	6.636229

CCDC114	7.506258	4.374374
CCDC115	4.623018	3.371114
CCDC116	2.516493	2.139253
CCDC117	13.46394	11.96399
CCDC12	18.7675	30.55246
CCDC120	1.91317	1.235772
CCDC121	9.674449	3.970301
CCDC122	9.947331	4.137262
CCDC124	5.351163	2.105012
CCDC125	20.21648	16.92345
CCDC126	5.154184	4.140404
CCDC127	4.140887	2.265521
CCDC129	3.206119	3.038071
CCDC13	7.742016	6.363076
CCDC130	18.0709	10.22007
CCDC134	15.14763	8.948279
CCDC136	9.12445	7.13328
CCDC137	17.32607	6.139618
CCDC138	7.486317	5.956912
CCDC14	7.279583	6.743912
CCDC141	5.038549	1.731111
CCDC142	9.477364	5.942302
CCDC146	3.853441	1.706793
CCDC148	6.222517	3.461657
CCDC149	8.510912	4.296463
CCDC15	10.14396	6.096993
CCDC150	4.100642	2.131765
CCDC151	0.962013	0.248687
CCDC152	12.18843	12.4945
CCDC153	5.558719	2.516118
CCDC154	10.0525	9.690203
CCDC155	22.98395	32.21392
CCDC157	7.868471	16.46579
CCDC158	8.474437	5.966078
CCDC159	5.718137	2.980414
CCDC160	14.62668	3.915927
CCDC162P	93.61986	20.26025
CCDC163	11.13989	3.326698
CCDC166	9.352289	9.732125
CCDC167	11.51706	6.657439
CCDC168	5.90728	2.386256
CCDC169	11.09203	7.769152
CCDC17	5.780259	3.243963
CCDC170	22.9456	12.97737
CCDC171	0.19129	0.113116
CCDC172	3.357777	0.810922
CCDC173	8.738172	13.33588
CCDC174	6.69888	4.378035
CCDC175	14.84493	19.59841
CCDC177	11.127	8.34287

CCDC178	13.38064	18.89089
CCDC179	11.80004	8.969579
CCDC18	3.249023	3.391252
CCDC180	9.366492	4.638379
CCDC181	17.3799	5.618815
CCDC182	3.933658	0.96033
CCDC183	21.61587	20.10969
CCDC184	9.398995	4.591564
CCDC185	47.96466	18.73411
CCDC186	4.092833	1.135316
CCDC188	5.95607	3.420823
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CCDC190	4.54607	3.564658
CCDC191	9.878765	6.713333
CCDC192	10.08219	6.425697
CCDC194	5.542276	3.608075
CCDC196	7.393538	4.078461
CCDC197	2.901984	1.274431
CCDC198	17.56934	7.861174
CCDC22	11.10272	6.594535
CCDC24	2.064915	0.720989
CCDC25	24.9462	15.44745
CCDC27	10.94949	5.943879
CCDC28A	7.945142	9.10758
CCDC28B	12.31578	7.167908
CCDC3	5.438153	7.62131
CCDC30	2.623304	4.494813
CCDC32	13.63129	5.135019
CCDC33	14.12841	7.977412
CCDC34	3.442456	2.872155
CCDC36	8.08306	0.108662
CCDC38	6.362197	4.500167
CCDC39	17.20656	14.75287
CCDC40	7.266145	4.560128
CCDC42	6.273067	3.263292
CCDC43	8.330497	4.039098
CCDC47	11.6886	15.5164
CCDC50	9.569237	5.573784
CCDC51	26.90214	27.62957
CCDC54	15.67768	6.486325
CCDC57	17.3971	8.686865
CCDC58	14.89056	3.012307
CCDC59	4.674592	0.991757
CCDC6	7.680698	3.878074
CCDC60	14.67638	8.069159
CCDC61	4.428018	3.183999
CCDC62	11.3111	14.9019
CCDC63	13.20378	14.06366
CCDC65	2.546521	0.530588
CCDC66	7.140767	4.963579

CCDC68	11.37447	5.444227
CCDC69	16.05449	14.44788
CCDC7	11.04506	9.111314
CCDC70	2.144357	0.7712
CCDC71	4.971776	4.761726
CCDC71L	16.32236	9.277185
CCDC73	5.549238	2.087121
CCDC74B	14.36257	10.58525
CCDC77	9.397344	5.355942
CCDC78	12.31579	4.224841
CCDC8	4.9931	7.327516
CCDC80	6.024163	5.938476
CCDC81	0.964941	0.500254
CCDC82	9.064556	5.96255
CCDC83	7.22531	5.5126
CCDC84	4.269176	2.8754
CCDC85A	11.77874	1.885817
CCDC85B	3.904419	3.051135
CCDC85C	6.451567	3.530118
CCDC86	7.640611	4.182339
CCDC87	8.022916	28.08621
CCDC88A	7.223895	2.869658
CCDC88B	15.9848	8.886383
CCDC88C	36.37458	24.94426
CCDC89	6.553199	1.725335
CCDC9	5.9736	3.012693
CCDC90B	2.197504	0.411626
CCDC91	13.22423	4.397211
CCDC92	4.511765	4.329401
CCDC92B	5.912115	3.698948
CCDC93	1.885654	2.853745
CCDC96	7.404971	4.286206
CCDC97	26.67656	22.01212
CCDC9B	10.24628	6.557804
CCER1	3.450706	1.744231
CCER2	12.29823	9.840525
CCHCR1	19.46261	8.826194
CCIN	4.77691	5.85655
CCK	9.367747	8.228122
CCKAR	10.61795	7.358103
CCKBR	12.36714	9.454135
CCL1	8.018602	7.718133
CCL11	3.830172	4.009188
CCL14	9.746628	8.693561
CCL16	12.7711	9.340781
CCL17	3.563718	0.823071
CCL19	43.84979	43.48078
CCL2	4.848348	3.68553
CCL20	19.66078	0
CCL21	3.68353	3.012186

CCL22	4.337541	4.705218
CCL24	7.656523	4.166233
CCL25	11.2482	6.290748
CCL26	3.765488	2.465385
CCL27	19.23715	8.693539
CCL28	9.72383	10.42881
CCL3	9.879273	7.970105
CCL4	7.553645	4.550091
CCL5	8.326932	6.061014
CCL8	21.28338	10.43846
CCM2	7.148914	3.153866
CCM2L	4.606427	4.637471
CCNA1	2.335219	1.58178
CCNA2	2.173063	1.32507
CCNB1	12.56636	6.510353
CCNB1IP1	10.83783	3.420645
CCNB2	8.029856	5.763406
CCNB3	1.043375	0.587051
CCNC	2.838013	1.377941
CCND1	6.484382	4.032456
CCND2	6.878933	6.940312
CCND3	0.310886	0.013618
CCNDBP1	4.198367	0.778623
CCNE1	1.965141	1.270676
CCNE2	18.26071	5.341851
CCNF	4.90752	3.252463
CCNG1	1.881015	1.36486
CCNG2	3.474066	2.155183
CCNH	11.37393	15.50903
CCNI	4.909714	5.224695
CCNI2_1	5.496438	5.445249
CCNI2_2	17.71111	14.93921
CCNJ	4.287884	11.9358
CCNJL	3.736267	5.705051
CCNK	7.817439	4.598985
CCNL1	3.277767	1.764487
CCNL2	79.70104	8.538482
CCNO	15.07162	8.133871
CCNQ	7.218926	4.702574
CCNT1	24.62209	15.07162
CCNT2	16.22191	9.754826
CCNY	7.384357	6.048138
CCNYL1	7.430921	6.232209
CCP110	10.791	14.66659
CCPG1	5.58197	5.432135
CCR1	14.86279	5.030201
CCR10	6.023905	10.39812
CCR2	0.12742	0.141001
CCR3	5.638773	2.758081
CCR4	6.444479	0.960596

CCR5	4.989217	1.903091
CCR6	10.2311	5.063837
CCR7	4.538781	4.930246
CCR8	8.333872	8.660044
CCR9	8.465627	6.183868
CCRL2	5.982987	3.002178
CCS	16.6924	10.09457
CCSAP	5.465195	4.908421
CCSER1	11.74504	4.872203
CCSER2	8.744596	5.593975
CCT2	0.746776	0.516988
CCT3	3.105372	3.090621
CCT4	18.28063	6.664321
CCT5	9.55252	2.67862
CCT6A	15.56571	8.659575
CCT6B	6.979001	3.050035
CCT7	22.14061	16.2645
CCT8	4.652775	4.183479
CCT8L2	4.606051	2.616064
CCZ1	6.338873	3.264194
CD101	4.797566	3.533011
CD109	13.09832	13.48375
CD14	3.404818	1.832455
CD151	6.597983	4.432275
CD160	6.900083	3.944271
CD163	8.884147	11.28928
CD163L1	16.67025	9.107161
CD164	9.657803	7.063256
CD164L2	2.508609	1.165275
CD177	18.87577	15.51354
CD180	7.888703	5.634341
CD19	27.56601	8.405259
CD1A	8.565275	4.648355
CD1B	2.428264	0.735391
CD1B5	5.006362	4.09974
CD1D	5.643045	3.843694
CD1E	13.43978	15.51873
CD2	8.615476	6.751373
CD200	8.272573	3.414704
CD200R1L	15.62405	4.322529
CD207	6.092502	3.213444
CD209	12.73525	6.89251
CD22	0.280317	0.223962
CD226	8.092661	6.260541
CD24	11.02492	0.232317
CD244	22.085	14.41268
CD247	7.463047	7.003883
CD248	23.81834	18.77313
CD27	8.463781	3.012835
CD274	4.260564	3.241914

CD276	4.522553	2.37974
CD28	4.811461	4.554393
CD2AP	3.182176	18.88524
CD2BP2	5.923308	3.714312
CD300A	1.881628	0.861422
CD300C	4.743259	3.54789
CD300E	2.733634	2.137797
CD300LB	15.69429	6.194448
CD300LF	21.937	21.57374
CD300LG	7.236339	5.250937
CD302	9.472117	6.936711
CD320	0.165873	0.232501
CD34	13.54284	12.43394
CD36	6.762763	6.951812
CD37	17.48026	11.53861
CD38	6.267035	2.606928
CD3D	63.86692	33.99493
CD3E	3.641094	1.60464
CD3EAP	26.02851	15.30452
CD3G	9.512833	7.464376
CD4	10.68316	8.338691
CD40	4.465793	1.896706
CD44	11.42632	8.71466
CD46	7.708075	3.73437
CD47	4.987497	3.05986
CD48	1.897627	2.077228
CD5	23.29389	22.39184
CD52	2.113899	1.919041
CD53	0.645709	0.488069
CD55	3.944068	4.080798
CD58	4.151846	4.634364
CD59	9.315429	4.618654
CD5L	47.21356	97.37293
CD6	125.5619	67.16457
CD63	6.414994	6.639019
CD68	3.35246	2.052425
CD69	4.404779	3.330446
CD7	8.305294	6.771931
CD70	16.52432	28.75454
CD72	10.97528	4.09369
CD74	3.787222	2.362918
CD79A	10.57903	12.42913
CD79B	14.36565	8.378435
CD80	5.977101	2.889421
CD81	6.369598	3.737739
CD82	23.40889	19.76356
CD83	4.241232	2.811956
CD84	16.48433	8.779674
CD86	7.972515	4.104538
CD8A	7.703182	3.318433

CD8B	12.02691	7.747144
CD9	5.066146	2.922516
CD93	11.90976	12.93403
CD96	12.65133	2.742008
CD99	5.74562	3.704737
CD99L2	5.842452	3.915035
CDA	17.96556	8.330672
CDADC1	2.812629	0.583647
CDAN1	2.458089	1.923869
CDC123	38.89122	21.36183
CDC14A	26.04967	10.06409
CDC14B	16.35746	16.47053
CDC16	11.98597	9.066547
CDC20	1.57843	1.460941
CDC20B	5.146948	1.821997
CDC23	3.377782	2.762462
CDC25A	40.20864	22.14745
CDC25B	5.58563	5.337351
CDC25C	2.827968	1.134516
CDC26	16.35274	8.686891
CDC27	8.685104	19.99452
CDC34	12.06534	10.91695
CDC37	22.0893	19.6543
CDC37L1	12.00919	6.162097
CDC40	10.59136	6.606672
CDC42	6.55252	3.056493
CDC42BPA	10.41855	11.39156
CDC42BPB	7.905101	7.180166
CDC42BPG	10.05251	5.222278
CDC42EP1	12.74416	4.697917
CDC42EP2	8.302453	9.73797
CDC42EP3	23.06855	19.10766
CDC42EP4	5.625638	2.79885
CDC42EP5	6.721531	4.482779
CDC42SE1	2.899037	5.460032
CDC42SE2	5.227848	2.830694
CDC45	5.055783	3.326658
CDC5L	3.562215	2.494883
CDC6	16.86301	12.15428
CDC7	2.30398	0.626845
CDC73	9.023019	7.159763
CDCA2	9.342146	6.290284
CDCA3	67.83961	15.94751
CDCA4	9.190184	6.418561
CDCA5	3.36448	1.936781
CDCA7	3.987188	2.634033
CDCA7L	5.695573	2.918821
CDCA8	4.397373	1.877512
CDCP1	10.76883	12.97091
CDCP2	11.0098	11.14916

CDH1	5.373249	3.212398
CDH10	5.191864	9.377673
CDH11	9.963909	8.919308
CDH12	7.087347	12.00078
CDH13	2.566772	1.986625
CDH15	6.80444	5.201702
CDH16	10.53269	3.626491
CDH17	9.390486	5.400275
CDH18	2.980663	0.664349
CDH19	8.197045	6.402391
CDH2	2.44732	0.425522
CDH20	19.93982	19.82899
CDH22	5.316722	3.622242
CDH23	4.442665	0.937488
CDH24	2.67607	1.566635
CDH26	6.627639	8.920326
CDH3	5.416993	3.909813
CDH4	15.06217	5.082122
CDH5	9.647034	3.746142
CDH6	14.96886	10.42081
CDH7	14.56699	5.660497
CDH8	6.766048	3.89167
CDH9	5.158609	7.271718
CDHR1	9.850178	19.24249
CDHR2	8.558899	5.895356
CDHR3	17.06154	14.84696
CDHR4	10.48192	9.160225
CDHR5	10.28219	5.937759
CDIP1	14.34423	8.832754
CDIPT	38.66789	12.25782
CDK1	3.37173	7.53141
CDK10	5.237594	3.303042
CDK11B	10.94691	6.702241
CDK12	9.383398	4.193472
CDK13	7.973785	3.525524
CDK14	3.375646	3.624364
CDK15	6.548626	7.23014
CDK16	7.574267	6.007558
CDK17	3.696016	3.55954
CDK18	12.61618	14.77898
CDK19	11.48123	3.110603
CDK2	5.674544	3.257394
CDK20	9.459703	8.440216
CDK2AP1	6.678639	2.316797
CDK2AP2	3.420824	2.60015
CDK3	4.218358	2.941942
CDK4	6.299139	3.783615
CDK5	3.007656	2.75361
CDK5R1	4.325496	3.073259
CDK5R2	2.424926	2.12183

CDK5RAP1	39.43033	14.36439
CDK5RAP2	7.928289	3.890435
CDK5RAP3	7.539649	10.91953
CDK6	7.893351	6.922805
CDK7	14.83755	11.34278
CDK8	2.126269	1.094718
CDK9	6.714905	6.960982
CDKAL1	26.83956	10.36547
CDKL1	12.71537	6.352203
CDKL2	7.814275	3.473469
CDKL3	9.938156	2.210263
CDKL4	5.710601	1.534261
CDKL5	5.449244	2.747627
CDKN1A	3.173295	2.810903
CDKN1B	5.862384	5.173849
CDKN1C	4.162963	2.708141
CDKN2A	6.187369	3.059721
CDKN2AIP	28.94478	24.28198
CDKN2AIPNL	5.736723	2.797121
CDKN2B	24.0546	13.12854
CDKN2C	6.055301	4.114223
CDKN2D	7.599577	10.93691
CDKN3	14.3946	11.71149
CDNF	6.706232	5.549913
CDO1	14.74822	12.99788
CDON	3.082977	2.206215
CDPF1	19.69065	12.78112
CDR2	10.05929	9.938495
CDR2L	5.09301	3.466984
CDRT1	14.30862	8.23975
CDRT4	4.454348	4.164245
CDS1	3.108847	2.631967
CDS2	7.626716	11.21909
CDSN	20.94678	15.33438
CDT1	85.9623	82.17539
CDV3	8.716808	2.67165
CDX1	5.805169	2.152853
CDX2	9.451686	4.401599
CDX4	12.64387	7.427273
CDYL	11.52309	6.680163
CDYL2	9.854942	5.805145
CEACAM1	8.667177	9.271801
CEACAM16	16.14252	9.924727
CEACAM18	5.07176	3.085398
CEACAM19	20.90951	5.313092
CEACAM20	6.796522	3.544805
CEBPA	9.542655	7.80972
CEBPB	4.438949	3.446409
CEBPD	6.462326	2.611139
CEBPE	7.080328	0.064878

CEBPG	6.517492	2.557529
CEBPZ	6.460153	3.833243
CEBPZOS	5.996526	7.427738
CECR2	14.55172	9.641697
CEL	8.761258	4.549261
CELA1	6.401958	13.21055
CELA2A	8.281313	4.83579
CELA3B	6.782043	12.84766
CELF1	15.18192	9.392452
CELF2	19.58923	18.08815
CELF3	2.251122	1.447602
CELF4	3.919011	0.677748
CELF5	7.951071	4.549467
CELF6	2.227237	1.382046
CELSR1	5.002531	3.324253
CELSR2	15.46471	29.38321
CELSR3	4.034323	2.381714
CEMIP	2.631807	2.389138
CEMIP2	6.126044	4.009083
CEND1	5.781782	6.033397
CENPA	0.744557	0.348667
CENPB	5.712612	2.7408
CENPBD1	3.672141	3.003071
CENPC	5.592179	2.96054
CENPE	0.115235	0.02019
CENPF	6.155997	3.699911
CENPH	20.46311	18.80583
CENPI	11.08746	7.905857
CENPJ	3.471333	0.832578
CENPK	5.460034	3.80631
CENPL	16.44565	13.7582
CENPM	10.8205	7.242051
CENPN	11.00959	6.625156
CENPO	5.763873	3.225071
CENPP	7.334026	5.207021
CENPQ	6.37032	3.37586
CENPS	13.38775	7.05122
CENPT	9.934966	5.754672
CENPU	3.147784	1.791572
CENPV	8.146559	8.570321
CENPW	1.150859	0.574817
CENPX	13.99722	15.60511
CEP104	27.54279	22.00239
CEP112	5.468088	3.917891
CEP120	20.56087	10.37365
CEP126	51.3802	76.3776
CEP128	3.034041	2.792177
CEP131	29.92993	12.47263
CEP135	1.841466	0.798777
CEP152	18.19187	6.90691

CEP162	3.701679	7.341788
CEP164	16.18409	7.72761
CEP170	2.264867	1.83151
CEP170B	9.937858	6.618149
CEP19	24.2043	8.453016
CEP192	10.82113	15.38454
CEP250	8.567857	5.070978
CEP290	9.656268	4.746758
CEP295	1.225516	1.13587
CEP295NL	9.585021	10.69138
CEP350	17.1386	12.19391
CEP41	12.98974	29.88764
CEP44	11.5048	8.532528
CEP55	2.717586	3.39886
CEP57	4.604212	2.780095
CEP57L1	7.214515	1.677593
CEP63	6.505891	3.714583
CEP68	2.107957	0.938185
CEP70	4.960302	3.19366
CEP72	6.028972	3.143304
CEP76	3.945254	1.874006
CEP78	14.37213	28.03169
CEP83	17.96784	13.23231
CEP85	10.03453	4.595827
CEP85L	8.660887	3.866078
CEP89	9.321934	2.918005
CEP95	9.416218	7.501236
CEP97	2.850023	1.471841
CEPT1	3.167989	0.718369
CER1	5.282399	4.323782
CERCAM	2.293969	1.215126
CERK	5.593376	1.939426
CERKL	5.309802	4.681441
CERS1	5.164166	5.576552
CERS2	7.637093	5.178624
CERS3	3.473496	0.799831
CERS4	8.564571	5.991576
CERS5	15.09695	7.427229
CERS6	10.68145	8.255566
CES1	16.1215	7.480034
CES2	6.555026	5.528007
CES3	16.78885	21.64049
CES4A	18.3348	13.02069
CES5A	12.18605	7.776339
CETN1	5.317679	2.829159
CETN2	7.22883	8.783202
CETN3	6.99709	3.581662
CETN4	4.11465	3.459474
CFAP100	8.307078	7.383468
CFAP126	23.44282	15.95517

CFAP157	12.31383	4.859913
CFAP161	2.844039	1.15822
CFAP20	8.326676	10.50074
CFAP206	5.892146	2.687595
CFAP221	12.39485	7.146257
CFAP298	18.02291	7.003277
CFAP299	6.242916	4.426122
CFAP300	6.469776	3.897329
CFAP36	11.12957	6.689977
CFAP43	5.092257	2.637567
CFAP44	4.214495	7.642664
CFAP45	17.03545	3.906919
CFAP46	2.760938	1.982933
CFAP47	13.76071	9.240884
CFAP52	2.159539	1.824155
CFAP53	4.041487	2.538529
CFAP54	4.311037	2.38565
CFAP57	1.053941	0.630394
CFAP58	23.68725	15.39748
CFAP61	11.80387	6.139385
CFAP65	3.985679	4.298744
CFAP69	1.183034	0.508978
CFAP70	4.699116	3.053218
CFAP73	7.13984	2.882868
CFAP74	0.908836	0.453826
CFAP77	5.95725	2.129754
CFAP97	6.54394	5.165707
CFAP97D1	22.11797	12.21167
CFAP99	8.284448	4.49869
CFB	1.749846	0.762442
CFD	2.789877	2.948796
CFDP1	8.728769	7.161591
CFDP2	12.46271	16.36029
CFH	6.69617	3.598901
CFHR5	8.978183	4.04781
CFI	3.74638	2.637103
CFL1	3.608253	2.476208
CFL2	6.682112	3.858708
CFLAR	4.848859	5.336851
CFP	3.862289	2.386682
CFTR	6.228236	5.47065
CGA	10.49489	5.017697
CGAS	2.930393	1.408739
CGGBP1	5.517367	3.973717
CGN	8.938236	8.541983
CGN1	17.11334	10.75408
CGNL1	18.55172	2.160869
CGREF1	5.615885	4.331089
CGRRF1	3.753852	1.918327
CH25H	0.279971	0.105115

CHAC1	9.424537	6.822295
CHAC2	5.643445	3.752461
CHAD	4.392995	2.975096
CHADL	31.13049	28.79898
CHAF1A	6.338286	5.513569
CHAF1B	4.55599	3.819532
CHAMP1	9.564769	6.396261
CHAT	2.073086	2.475243
CHCHD1	12.6889	4.841256
CHCHD10	7.976772	7.000279
CHCHD2	2.959862	0.896558
CHCHD3	8.697875	4.728024
CHCHD4	4.397149	2.097992
CHCHD5	26.79788	18.64396
CHCHD6	7.552939	5.183122
CHCHD7	10.6506	9.261642
CHCHD8	3.316303	2.499739
CHD1	9.103758	7.784459
CHD1L	5.705063	5.605782
CHD2	5.714347	1.752119
CHD3	10.15288	10.45585
CHD4	7.843276	4.117303
CHD5	8.663008	6.237337
CHD6	7.255997	6.335103
CHD7	21.7604	16.61096
CHD8	8.230683	9.684324
CHD9	2.217898	0.254223
CHDH	3.402346	2.248368
CHEK1	7.725337	6.116703
CHEK2	3.088207	1.651289
CHERP	22.71678	15.13479
CHFR	7.664865	4.667311
CHGA	6.320354	2.085851
CHGB	5.08998	3.522721
CHI3L1	8.824747	4.61633
CHI3L2	2.124684	2.545852
CHIA	5.885245	2.79726
CHIC1	7.463823	5.070774
CHIC2	6.73542	5.325248
CHID1	2.4516	1.022936
CHIT1	6.543835	3.281808
CHKA	6.008971	22.23602
CHKB	0.471381	0.00652
CHL1	7.136859	7.358763
CHM	2.092693	0.777662
CHML	2.70715	0.023618
CHMP1A	4.519195	6.757628
CHMP1B	1.308263	1.2728
CHMP2A	6.50073	5.326677
CHMP2B	23.70232	17.52733

CHMP3	11.59706	3.735599
CHMP4A	10.80205	15.78262
CHMP4B	3.768464	2.012203
CHMP4C	3.215519	6.15181
CHMP5	18.16863	9.538787
CHMP6	4.666647	3.304272
CHMP7	3.083101	1.541782
CHN1	5.56103	5.42033
CHN2	17.29901	9.598326
CHODL	6.820126	3.873492
CHORDC1	7.990479	3.436183
CHP1	3.904463	3.311571
CHP2	4.011058	2.593513
CHPF	12.83444	9.251788
CHPF2	2.50599	1.373575
CHPT1	4.857138	4.836018
CHRAC1	12.38578	9.682474
CHRD	1.946463	1.13057
CHRDL1	7.135911	4.475978
CHRDL2	15.39033	9.467054
CHRM1	5.188498	1.926398
CHRM2	13.92873	11.00932
CHRM3	3.398876	0.640596
CHRM4	8.627606	4.362944
CHRM5	15.55962	3.587251
CHRNA1	4.604751	1.991585
CHRNA10	5.325191	1.447465
CHRNA2	5.485892	4.277881
CHRNA3_1	4.85859	4.745138
CHRNA3_2	8.459264	6.016113
CHRNA4	4.437737	1.920046
CHRNA5	4.80985	4.014561
CHRNA6	5.827842	3.429817
CHRNA7	0.622651	0.335676
CHRNA9	12.3544	2.579321
CHRNB1	3.249696	1.903783
CHRNB2	11.95118	22.46
CHRNB3	2.262802	2.048508
CHRNB4	5.945925	5.759954
CHRND	3.585122	5.894783
CHRNE	26.19359	9.148547
CHRNG	19.28402	19.49447
CHST1	5.083904	2.757719
CHST10	4.18614	2.748952
CHST11	5.711223	1.665245
CHST12	3.39687	0.311378
CHST13	17.27954	15.36174
CHST14	1.591829	0.158687
CHST15	13.99814	10.12389
CHST2	4.078499	2.83753

CHST3	14.5079	21.37618
CHST4	2.471234	2.072345
CHST6	4.038867	2.699681
CHST7	5.618085	3.570321
CHST8	7.626277	3.652065
CHST9	4.727751	5.731769
CHSY1	1.582523	0.64518
CHSY3	2.38	1.444243
CHTF18	5.72678	11.14604
CHTF8	12.68365	9.160633
CHTOP	4.997194	4.084229
CHUK	4.447056	2.98032
CHURC1	44.05757	19.72561
CIAO1	5.175691	2.642769
CIAPIN1	2.448859	1.104114
CIART	6.797978	5.019644
CIB1	22.60304	19.40809
CIB2	3.383986	1.7199
CIB3	4.023844	2.330549
CIB4	11.45299	3.327584
CIC	1.598002	0.58797
CIDEA	2.215049	1.256755
CIDEB	4.007907	4.395851
CIDEC	4.176057	0.725806
CIITA	19.52404	43.41857
CILP	1.86422	0.706227
CILP2	1.706427	1.131343
CINP	4.515346	2.862816
CIP2A	13.97533	18.10698
CIPC	6.010716	6.295335
CIR1	3.428697	0.663116
CIRBP	3.25087	3.347526
CISD1	5.357666	2.297232
CISD2	14.56634	16.10119
CISD3	7.550452	4.176828
CISH	0.816918	0.833061
CIST1	6.736732	9.111241
CIT	14.40878	11.60245
CITED1	3.382772	2.791941
CITED2	6.531163	4.500371
CITED4	5.614098	3.303289
CIZ1	0.256256	0.244332
CKAP2	25.9689	18.77894
CKAP2L	15.2997	14.00866
CKAP4	10.2446	10.9769
CKAP5	11.61432	9.416976
CKB	9.694947	6.827985
CKM	7.279321	5.797057
CKMT1A	7.716698	5.681131
CKMT2	5.019214	2.874008

CKS1B	4.765626	2.662441
CKS2	3.66231	3.326936
CL43	2.356583	1.904123
CL46	5.532215	4.355464
CLASP1	3.914388	2.112387
CLASP2	4.260757	2.298599
CLASRP	8.136158	4.186864
CLBA1	6.488837	5.69095
CLCA1	10.54277	12.66392
CLCA2	19.52378	13.14231
CLCA3	9.365169	4.384767
CLCA4	5.418053	5.098076
CLCC1	28.96585	25.91123
CLCF1	13.54847	10.7934
CLCN1	2.065395	1.42306
CLCN2	14.66985	6.75004
CLCN3	6.314695	6.674719
CLCN4	5.120775	4.68922
CLCN5	9.37118	19.04846
CLCN6	13.91658	7.202819
CLCN7	9.099099	5.699065
CLCNKA	7.302651	4.872282
CLDN1	1.699013	0.364047
CLDN10	4.511477	2.740813
CLDN11	8.070906	6.613187
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CLDN15	3.520826	2.033374
CLDN16	10.39987	5.964714
CLDN17	11.68277	7.49779
CLDN18	26.67257	7.034966
CLDN19	28.57818	24.57017
CLDN2	5.037722	4.982227
CLDN20	2.178171	2.128892
CLDN23	1.023189	0.757836
CLDN25	9.158772	5.845545
CLDN3	6.82361	3.749725
CLDN34	7.560446	2.106697
CLDN4	3.277166	3.663757
CLDN5	8.284012	3.689006
CLDN6	0.672939	0.187577
CLDN7	18.3501	14.67272
CLDN8	5.757722	5.317591
CLDN9	5.472731	4.55353
CLDND1	4.330433	4.917227
CLDND2	2.751265	1.917364
CLEC10A	0.278107	0
CLEC11A	15.12364	10.36502
CLEC12A	11.49849	0.361994

CLEC12B	3.169587	2.516876
CLEC14A	4.435639	3.732012
CLEC16A	3.209607	2.604719
CLEC17A	12.29452	6.906963
CLEC18C	3.469152	2.753739
CLEC19A	8.581922	5.406584
CLEC1A	8.874233	6.874773
CLEC1B	4.074516	3.122634
CLEC2B	1.049721	1.121922
CLEC2L	2.49459	1.517567
CLEC3A	6.067105	3.064054
CLEC3B	3.841298	1.071486
CLEC4A	2.157167	0.720313
CLEC4D	2.535455	0.912816
CLEC4E	26.43793	17.51745
CLEC4F	3.118207	2.723402
CLEC4G	22.09761	8.87335
CLEC5A	4.874623	7.109951
CLEC6A	8.916467	6.9858
CLEC7A	2.584723	2.469236
CLEC9A	4.718248	3.270097
CLECL1	6.01289	3.510233
CLGN	1.849648	0.437058
CLHC1	3.031013	1.46088
CLIC1	5.238782	4.697575
CLIC2	7.25152	7.149543
CLIC3	6.490574	4.360696
CLIC4	2.481461	0.778511
CLIC5	2.758578	1.247801
CLIC6	21.65345	1.054296
CLINT1	1.347458	1.148434
CLIP1	8.448935	4.672002
CLIP2	1.685809	1.355575
CLIP3	5.968605	2.853911
CLIP4	18.54143	12.97104
CLK1	4.873839	4.46201
CLK2	2.754904	1.813145
CLK3	5.971627	3.607472
CLK4	5.487367	3.823865
CLMN	10.45809	8.452612
CLMP	8.798449	3.820863
CLN3	6.260459	5.022735
CLN5	3.439207	2.63373
CLN6	5.979302	3.686695
CLN8	5.639303	4.680674
CLNK	4.008539	3.394788
CLNS1A	3.073607	1.194124
CLOCK	6.211464	4.823495
CLP1	18.13033	11.23872
CLPB	2.717022	2.548084

CLPP	4.286001	2.411789
CLPS	0.312612	0.794907
CLPSL2	1.637456	2.07017
CLPTM1	11.37952	4.991491
CLPTM1L	16.98543	10.66406
CLPX	3.417694	1.838666
CLRN1	32.90816	4.676962
CLRN2	13.37491	8.700716
CLRN3	4.466264	1.850229
CLSPN	7.541447	5.700875
CLSTN1	6.692986	4.158005
CLSTN2	19.3759	10.54478
CLSTN3	16.97441	16.36534
CLTA	3.96481	2.260049
CLTB	6.504991	5.007028
CLTC	13.71737	8.862141
CLTRN	6.853245	5.827957
CLU	9.073054	14.32012
CLUAP1	8.475419	3.665386
CLUH	13.29811	7.530179
CLUL1	10.22373	5.388937
CLVS1	10.05707	2.40854
CLVS2	20.18437	24.01607
CLYBL	5.779845	4.719549
CMAS	3.147595	1.89582
CMBL	5.556245	4.707312
CMC1	3.875543	3.045432
CMC2	4.518497	4.314386
CMC4	4.405035	2.086155
CMIP	1.915162	4.701319
CMKLR1	2.08306	2.679151
CMPK1	10.31127	6.475036
CMPK2	10.57542	7.775669
CMSS1	10.91065	9.836171
CMTM1	7.426262	3.031346
CMTM2	7.606698	5.938746
CMTM3	3.337116	5.192266
CMTM4	7.315251	7.510461
CMTM5	7.781775	5.883195
CMTM6	6.869225	4.02804
CMTM7	8.461159	8.032104
CMTM8	14.6507	3.355032
CMTR1	5.752501	2.122733
CMTR2	8.883983	5.280044
CMYA5	5.006548	1.407317
CNBD2	4.966953	2.406151
CNBP	0.438682	0.389111
CNDP1	1.872504	0.873516
CNDP2	8.178815	6.052016
CNEP1R1	3.058656	1.832755

CNFN	3.458008	2.432303
CNGA1	4.634729	2.141192
CNGA2	5.106003	8.527253
CNGA3	9.815308	4.812187
CNGA4	8.097658	5.030012
CNGB1	5.40167	4.40257
CNGB3	7.094644	5.065775
CNIH1	7.852362	5.651809
CNIH2	6.944358	4.995212
CNIH3	6.062816	4.206412
CNIH4	7.917269	4.116545
CNKSR1	6.750195	5.496659
CNKSR2	8.608044	6.828282
CNKSR3	6.733026	8.086821
CNMD	7.968548	5.587671
CNN1	1.75439	0.536529
CNN2	2.484636	0.788948
CNN3	5.541737	3.17699
CNNM1	6.90545	3.550286
CNNM2	3.625449	2.838929
CNNM3	1.35611	0.999407
CNNM4	5.689355	1.381096
CNOT1	5.864948	1.330919
CNOT10	6.04406	1.457255
CNOT11	13.3167	12.3547
CNOT2	2.342059	2.355609
CNOT3	5.866052	4.020842
CNOT4	3.111357	1.00952
CNOT6	8.389261	6.270675
CNOT6L	2.124023	2.696189
CNOT7	6.393836	3.144377
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CNOT9	5.526247	1.893255
CNP	3.592078	3.568163
CNPPD1	14.48208	14.18969
CNPY1	1.124253	0.47469
CNPY2	2.395996	1.485251
CNPY3	3.806028	4.277906
CNPY4	6.768916	10.1264
CNR1	7.674213	4.393906
CNR2	2.891599	1.465931
CNRIP1	2.183971	0.061743
CNST	15.75405	11.05758
CNTD1	7.120106	4.200182
CNTD2	5.653937	3.424708
CNTF	5.089777	3.51803
CNTFR	3.179772	0.171424
CNTLN	8.206555	6.719051
CNTN1	13.11936	8.444214
CNTN2	5.914938	5.194731

CNTN3	11.17106	13.13528
CNTN4	8.909618	5.25645
CNTN5	3.032477	1.157354
CNTN6	0.843065	0.164707
CNTNAP1	6.308616	3.121785
CNTNAP2	14.79596	4.380447
CNTNAP3	8.772875	1.637653
CNTNAP4	6.077371	4.902462
CNTNAP5	6.281871	7.297645
CNTRL	5.542276	3.389045
CNTROB	5.182851	3.761183
COA1	40.27205	21.85498
COA3	14.63925	7.328825
COA5	14.13894	34.49496
COA6	6.582766	5.037831
COA7	3.092861	2.015072
COASY	5.420959	4.971815
COBL	8.866275	4.957208
COBLL1	0.776135	0.328191
COCH	8.788411	13.31545
COG1	16.73996	10.6102
COG2	4.070298	4.330973
COG3	2.696978	3.216268
COG4	3.514594	2.060891
COG5	6.163354	5.461774
COG6	10.13227	5.017488
COG7	4.235908	3.043784
COG8	10.50701	14.19756
COIL	2.427814	0.829585
COL10A1	10.46007	4.761574
COL11A1	5.461345	7.049295
COL11A2	27.49101	1.516575
COL12A1	11.88026	6.794241
COL13A1	2.138451	1.850868
COL14A1	9.647758	4.822216
COL15A1	6.656579	4.417324
COL16A1	5.961542	3.586521
COL17A1	1.847925	1.710856
COL18A1	4.447941	1.857388
COL19A1	2.161333	1.67001
COL1A1	17.83049	13.26611
COL1A2	6.864772	6.593811
COL20A1	1.021725	0.466999
COL21A1	5.525214	3.394086
COL22A1	6.746485	3.806563
COL23A1	2.304623	0.755169
COL24A1	33.01044	24.5934
COL25A1	6.140496	8.486442
COL26A1	5.872057	1.2845
COL27A1	6.390759	4.522947

COL28A1	19.00556	9.82592
COL2A1	9.048945	9.577875
COL3A1	16.85831	11.03735
COL4A1	3.104383	2.020624
COL4A2	2.978973	3.419161
COL4A3	5.645663	4.708682
COL4A3BP	6.961105	3.291428
COL4A4	6.313834	10.31071
COL4A5	12.14806	3.505864
COL4A6	0.176756	0.187928
COL5A1	13.09775	11.8246
COL5A2	1.997715	3.445631
COL5A3	4.604925	6.96623
COL6A1	8.278078	6.524364
COL6A2	6.213722	7.501604
COL6A3	6.751804	1.433372
COL6A5	5.733985	4.825273
COL7A1	9.887593	5.982862
COL8A1	0.20541	0.125384
COL8A2	14.9492	13.34312
COL9A1	4.120057	2.983632
COL9A2	7.033507	1.877852
COL9A3	4.859157	11.69626
COLCA2	3.768077	1.875722
COLEC10	11.3539	4.81487
COLEC11	9.440344	5.577895
COLEC12	6.658011	9.850237
COLGALT1	11.66087	5.334761
COLGALT2	2.831437	2.34814
COLQ	9.672268	9.250174
COMMD1	3.464531	2.295941
COMMD10	3.700039	2.519611
COMMD2	5.016697	3.459683
COMMD3	17.42941	11.06395
COMMD4	6.763109	4.924225
COMMD5	4.264548	2.378773
COMMD6	4.479412	1.956368
COMMD7	4.32309	2.587365
COMMD8	7.293456	7.303949
COMMD9	4.224623	3.773205
COMP	4.078222	3.047739
COMT	5.615972	4.835377
COMTD1	2.288247	2.197869
COP1	5.08496	5.095342
COPA	5.647606	4.490091
COPB1	3.699798	4.452285
COPB2	9.712954	3.847354
COPE	3.519202	1.78418
COPG1	2.207405	0.906325
COPG2	4.799527	3.12991

COPRS	3.141098	1.766867
COPS2	6.619298	3.826268
COPS3	11.85109	8.499112
COPS4	7.914994	5.725496
COPS5	14.18506	5.872931
COPS6	4.246922	3.244431
COPS7A	4.204202	3.164797
COPS7B	3.814373	2.795958
COPS8	6.569388	3.613883
COPS9	0.580566	0.423379
COPZ1	9.63237	8.341797
COPZ2	15.45438	6.880953
COQ10A	1.379285	0.769746
COQ10B	8.131781	0.02019
COQ2	8.008851	3.556109
COQ3	3.064459	2.526584
COQ4	5.215623	0.831279
COQ5	5.909747	3.593411
COQ6	5.141513	3.241679
COQ7	19.37683	8.06804
COQ8A	2.017257	0.488584
COQ8B	2.278975	2.051249
COQ9	5.301663	2.882677
CORIN	2.028206	0.889316
CORO1A	8.091668	7.5798
CORO1B	10.20344	6.403864
CORO1C	7.203564	4.159638
CORO2A	7.655974	3.631681
CORO2B	6.454247	4.392436
CORO6	8.236037	11.06297
CORO7	5.558912	4.320076
CORT	8.531814	5.864759
COTL1	10.57783	4.869183
COX10	0.311513	0.393354
COX11	25.21546	6.594244
COX14	9.455618	7.163533
COX15	5.578195	3.251704
COX16	4.570732	4.989091
COX17	11.53783	7.927647
COX18	4.393305	3.510289
COX19	6.089656	2.86031
COX20	1.315312	0.709561
COX4I1	3.054798	2.242618
COX4I2	18.92908	11.24954
COX5A	7.363942	8.442141
COX5B	11.31425	6.389072
COX6A1	4.47667	2.343218
COX6A2	6.541072	6.400128
COX6B1	3.929881	3.998184
COX6B2	2.042901	1.683814

COX7A1	19.00993	8.675655
COX7A2	8.08277	4.862642
COX7A2L	2.147025	0.314277
COX7ALP1	5.42629	7.853157
COX7B	9.374788	4.854234
COX7B2	8.935863	4.996165
COX7C	3.755857	2.920681
COX8A	6.432632	4.459611
COX8B	6.293734	3.397366
COXP1	2.445301	1.42458
CP	5.019885	5.620923
CPA1	5.518926	3.931899
CPA3	15.21059	7.378992
CPA5	2.041891	1.348401
CPA6	13.43757	10.0779
CPAMD8	5.377819	2.804275
CPB1	5.374238	6.917926
CPB2	34.88047	7.025512
CPD	4.023823	3.005586
CPE	30.59942	23.76583
CPEB1	5.686261	14.21154
CPEB2	3.602113	2.517302
CPEB3	1.280856	1.022508
CPEB4	5.009869	3.01228
CPED1	3.214601	1.906851
CPLANE1	10.84587	7.551603
CPLANE2	2.505656	1.238765
CPLX1	0.093404	0.084164
CPLX2	18.18859	17.23695
CPLX3	4.947483	3.673728
CPLX4	3.490538	3.20862
CPM	4.539989	5.596522
CPN1	12.0362	7.162175
CPN2	6.583036	4.604209
CPNE1	4.378046	2.247437
CPNE2	3.044126	5.074772
CPNE3	7.365269	4.896241
CPNE4	2.480588	1.161743
CPNE5	38.76298	41.99066
CPNE6	12.71741	5.698349
CPNE7	6.796971	12.16068
CPNE8	6.403463	4.021076
CPNE9	2.560914	11.38295
CPO	2.932825	2.493113
CPOX	3.224665	2.36136
CPPED1	1.871102	1.368657
CPQ	0.647846	0.386927
CPS1	1.706377	1.884102
CPSF1	4.844316	2.737835
CPSF2	7.178743	4.096308

CPSF3	7.834697	5.254156
CPSF4	5.27143	2.828697
CPSF4L	3.879593	1.829368
CPSF6	10.31369	14.38776
CPSF7	9.265456	7.185543
CPT1A	9.21711	5.162745
CPT1B	4.424959	2.242565
CPT1C	2.300343	1.754177
CPT2	14.15037	7.974321
CPTP	6.721842	2.68036
CPVL	4.467411	5.451492
CPXM1	4.925158	3.102233
CPXM2	6.170603	3.030987
CPZ	8.516181	9.567121
CR2	13.83043	8.712824
CRABP1	10.84669	9.233805
CRABP2	1.977129	1.852419
CRACR2A	5.938337	4.296105
CRACR2B	3.299128	1.439737
CRADD	5.197648	3.794282
CRAMP1	5.685042	4.039807
CRAT	17.37877	10.4575
CRB1	4.552282	4.290464
CRB2	9.387691	28.73682
CRB3	25.34239	26.84503
CRBN	13.90741	6.450691
CRCP	13.90518	13.51636
CRCT1	4.073623	2.602014
CREB1	3.096906	1.97474
CREB3	6.478896	3.823127
CREB3L1	11.53062	6.350355
CREB3L2	5.301788	4.14457
CREB3L3	2.23798	1.5033
CREB3L4	8.432853	5.690876
CREB5	0.362473	0.166711
CREBBP	1.368481	0.647207
CREBL2	3.718568	1.30306
CREBRF	3.306733	2.712701
CREBZF	13.27988	9.053822
CREG1	15.53971	10.84309
CREG2	1.072332	0.841782
CRELD1	3.589284	2.003162
CRELD2	10.28229	6.001259
CREM	3.738134	3.727251
CRH	12.31945	8.376241
CRHBP	1.756989	1.63449
CRHR1	6.228463	3.657247
CRHR2	6.227832	3.72214
CRIM1	2.370579	1.334477
CRIP1	40.26012	25.74216

CRIP2	1.224446	0.220271
CRIP3	11.92855	12.14267
CRIPT	14.76055	9.924814
CRISP1	10.99408	11.89224
CRISP2	3.246347	2.432164
CRISP3	16.96031	16.94624
CRISPLD1	17.86002	11.15532
CRISPLD2	19.10639	11.60371
CRK	7.060007	3.662291
CRKL	1.333422	1.211487
CRLF1	1.552802	0.948008
CRLF3	4.296058	3.825549
CRLS1	3.591395	2.645173
CRMP1	4.237758	2.176198
CRNKL1	9.792343	7.554174
CRNN	4.723675	2.221358
CROCC	11.44244	13.10306
CROCC2	2.061034	1.632977
CROT	6.08338	4.00748
CRP	11.47418	8.012199
CRTAC1	5.845201	2.621569
CRTAM	7.386964	5.401893
CRTAP	6.945063	5.809296
CRTC1	3.273352	0.812213
CRTC2	0.051329	0
CRTC3	2.79217	5.218108
CRX	5.444221	2.164721
CRY1	1.73296	0.517154
CRY2	6.195994	13.82499
CRYAA	4.133509	2.619651
CRYAB	9.48638	8.936576
CRYBA1	53.31259	15.0746
CRYBA2	10.79725	6.055604
CRYBA4	25.8626	17.51213
CRYBB1	4.363959	2.416623
CRYBB2	15.04325	12.98272
CRYBB3	1.402488	0.461447
CRYBG1	2.039786	0.958649
CRYBG2	7.703978	5.954522
CRYBG3	5.00213	2.112695
CRYGA	6.823361	3.33142
CRYGB	3.079704	3.441313
CRYGC	25.58961	11.92386
CRYGD	8.900779	3.155667
CRYGN	7.546548	7.595856
CRYGS	8.59439	5.807054
CRYL1	17.5662	11.21056
CRYM	8.123036	5.479424
CRYZ	24.60621	29.07951
CRYZL1	12.16733	14.63291

CS	4.024527	1.289562
CSAD	2.839687	2.307362
CSDC2	13.2775	9.518687
CSDE1	0.31777	0.253298
CSE1L	7.718265	8.481956
CSF1	1.076274	0.802536
CSF1R	9.267695	7.539037
CSF2	8.986766	3.159993
CSF2RA	7.104484	4.921903
CSF2RB	8.937578	3.784702
CSF3	11.6205	12.07304
CSGALNACT1	7.349093	10.37531
CSGALNACT2	6.730545	5.81236
CSH2	5.564644	5.178417
CSK	3.954696	1.928697
CSKMT	4.887964	3.512244
CSMD1	9.018629	3.989134
CSMD2	16.02199	2.469097
CSMD3	8.674748	7.160728
CSN1S1	6.48176	3.183189
CSN1S2	9.818604	7.465283
CSN2	19.99782	27.21431
CSN3	3.260426	3.1227
CSNK1A1	8.624585	4.179501
CSNK1B	4.857481	2.620428
CSNK1D	5.143796	2.761648
CSNK1E	3.570374	2.05096
CSNK1G1	3.64981	4.072843
CSNK1G2	5.037302	2.609604
CSNK1G3	4.54764	3.195126
CSNK2A1	3.701102	4.46948
CSNK2A2	1.193088	1.254246
CSNK2B	5.648091	5.921199
CSPG4	8.797013	8.631865
CSPG5	4.287448	5.406575
CSPP1	11.78885	9.32604
CSRNP1	4.689281	2.597951
CSRNP2	13.64416	8.225862
CSRNP3	5.160144	3.609787
CSRP1	4.993802	3.087776
CSRP2	10.85147	9.720366
CSRP3	5.649672	3.841369
CST11	9.356721	3.649404
CST3	6.890108	0.740542
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CST7	3.601058	2.706425
CST8	0.354013	0.285492
CSTA	3.979946	2.02913
CSTB_1	4.614425	4.075692
CSTB_2	6.306063	4.553846

CSTF1	3.895781	3.891271
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CSTF3	6.635971	4.505928
CSTL1	1.88737	1.062919
CT47B1	12.70312	7.383361
CT55	1.071688	1.854047
CT83	10.91353	10.63574
CTBP1	9.670961	1.043073
CTBP2	13.3571	9.851591
CTBS	1.226569	0.315197
CTC1	7.882348	7.746458
CTCF	4.549716	3.169504
CTCFL	7.172005	3.832808
CTDNEP1	7.944188	7.703124
CTDP1	7.741823	4.289685
CTDSP1	1.407385	2.625283
CTDSP2	6.979791	3.953579
CTDSPL	3.382912	2.729937
CTDSPL2	3.073224	3.03217
CTF1	2.001304	1.032384
CTGF	6.271088	5.394645
CTH	2.637574	3.93392
CTHRC1	6.038036	1.81148
CTIF	1.777687	1.766792
CTLA4	6.959892	7.055063
CTNNA1	4.261221	3.205918
CTNNA2	2.784391	5.571142
CTNNA3	5.928814	4.653628
CTNNAL1	5.979557	3.662471
CTNNB1	2.574657	1.760546
CTNNBIP1	23.67593	13.03946
CTNNBL1	3.034014	2.62045
CTNND1	6.47354	5.995635
CTNND2	7.066719	3.446937
CTNS	7.226613	4.651254
CTPS1	7.551772	9.425556
CTPS2	2.811936	0.120091
CTR9	3.027258	2.335846
CTRB1	9.531249	5.094964
CTRC	3.59957	3.256881
CTSA	6.554162	5.932307
CTSB	4.396872	3.389448
CTSC	2.561903	1.786901
CTSD	1.861863	0.969673
CTSF	8.246025	0.109418
CTSH	16.26149	3.615601
CTSK	3.93398	3.214488
CTSL	1.489197	0.770341
CTSO	6.650334	3.637309

CTSS	10.30318	3.361235
CTSV	6.135517	3.179211
CTSW	3.502004	5.146296
CTSZ	4.364117	3.573872
CTTN	18.58463	18.98348
CTTNBP2	10.02142	7.76763
CTTNBP2NL	8.06495	4.848017
CTU1	22.63375	4.93986
CTU2	5.720076	4.871523
CTXN1	2.444946	2.10861
CTXN2	7.613318	9.033952
CTXN3	3.595929	1.264569
CTXND1	9.732731	9.107711
CUBN	6.382158	1.911372
CUEDC1	6.1842	1.720906
CUEDC2	9.917359	2.304005
CUL1	3.293502	5.759735
CUL2	8.955905	5.727107
CUL3	6.43283	1.827174
CUL4A	2.027611	5.210447
CUL4B	2.871337	3.428672
CUL5	5.074586	0.562546
CUL7	4.219216	2.136266
CUL9	2.867925	3.02138
CUTA	5.883452	4.7864
CUTC	4.202344	3.704544
CUX1	4.645101	3.772657
CUX2	2.311155	3.784957
CWC15	13.19461	19.29888
CWC22	5.961938	2.86763
CWC25	0.608435	0.337006
CWC27	7.818441	6.724215
CWF19L1	4.223254	3.738067
CWF19L2	8.454265	3.04991
CWH43	15.94407	19.54757
CX3CL1	6.982501	9.031885
CX3CR1	8.451392	8.826475
CXADR	2.180759	1.807433
CXCL10	2.499532	1.53746
CXCL11	2.390021	2.099652
CXCL12	7.473344	4.346293
CXCL13	5.97363	2.693539
CXCL14	12.78667	6.35785
CXCL16	7.226541	6.061508
CXCL17	7.333748	7.287986
CXCL2	2.843207	2.599839
CXCL3	17.25935	17.94071
CXCL5	7.292726	3.65562
CXCL8	10.39304	0.891641
CXCL9	9.453559	4.59447

CXCR1	5.000159	6.400445
CXCR2	1.529851	1.521598
CXCR3	2.575074	1.665142
CXCR4	7.012025	4.021778
CXCR5	5.722459	2.77463
CXCR6	6.654368	0.726844
CXHXorf21	3.955664	1.355125
CXHXorf36	4.523659	1.847041
CXHXorf38	3.951017	2.194519
CXHXorf40A	4.712169	3.31216
CXHXorf40B	14.41399	8.924676
CXHXorf56	2.364299	1.88606
CXHXorf57	7.331138	4.963331
CXHXorf58	1.782114	1.285466
CXHXorf65	4.130847	3.244467
CXHXorf67	4.152236	2.995555
CXXC1	8.56094	3.675765
CXXC4	6.648804	2.90204
CXXC5	5.020881	2.647386
CYB561	3.760904	3.01843
CYB561A3	19.16661	8.325298
CYB561D1	3.859518	3.83312
CYB561D2	8.596458	5.008587
CYB5A	11.04914	14.15551
CYB5B	8.658295	3.762372
CYB5D1	3.529946	2.146764
CYB5D2	3.276952	1.353807
CYB5R1	8.328054	6.301277
CYB5R2	8.74159	7.916933
CYB5R3	11.47143	6.228359
CYB5R4	3.147968	1.9249
CYB5RL	11.19046	7.019481
CYBA	6.127364	2.976755
CYBB	7.380453	3.94064
CYBC1	10.84641	15.26931
CYBRD1	10.65313	5.508065
CYC1	6.724629	3.797932
CYCS	8.022796	6.274992
CYCT	0.647094	0.193469
CYFIP1	1.862603	2.931885
CYFIP2	0.809845	0.471698
CYGB	4.376939	2.567516
CYHR1	3.440303	3.017066
CYLC1	14.54383	6.893379
CYLC2	7.612787	7.041116
CYLD	30.99945	23.46726
CYM	4.241411	4.184007
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CYP19A1	6.499319	6.499609
CYP1A1	4.350352	3.138012
CYP1A2	3.558393	6.362664
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CYP20A1	4.959721	3.183309
CYP21	11.12777	6.326091
CYP24A1	4.782107	2.381812
CYP26A1	14.57656	4.246236
CYP26B1	3.516456	1.894261
CYP26C1	13.14634	9.259658
CYP27A1	15.03274	4.976954
CYP27B1	9.679315	8.523931
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CYP2D14	3.43379	0.983788
CYP2E1	0.971384	0.462184
CYP2J2	2.847766	2.362185
CYP2R1	6.496487	4.468854
CYP2S1	18.06967	14.80039
CYP2U1	6.941558	4.254144
CYP39A1	7.844735	1.528861
CYP3A24	14.24891	13.23687
CYP3A4	0.97801	0.336217
CYP3A5_1	20.31577	32.86644
CYP3A5_2	3.92749	1.189312
CYP46A1	18.76496	7.287376
CYP4A11	6.375624	5.069282
CYP4A22	3.827299	3.212604
CYP4B1	9.381562	5.346138
CYP4F2_1	2.96249	2.447285
CYP4F2_2	5.393933	2.990197
CYP4V2	5.08137	1.913417
CYP51A1	6.126663	5.098301
CYP7A1	2.229554	1.630498
CYP7B1	5.562121	3.53947
CYP8B1	2.291962	1.165275
CYR61	10.281	4.233798
CYREN	7.98904	7.287034
CYS1	3.390146	2.368383
CYSLTR1	2.941576	1.948366
CYSLTR2	4.321775	5.399386
CYSRT1	8.12998	6.370667
CYSTM1	4.892119	4.074035
CYTH1	9.457449	6.82145
CYTH2	10.90561	15.29657
CYTH3	5.09734	1.276736
CYTH4	7.389183	2.802869

CYTIP	5.734841	3.824509
CYTL1	13.62288	10.90939
CYYR1	4.062741	3.830915
D2HGDH	2.942212	2.376352
DAAM1	2.8782	2.652188
DAAM2	5.920394	4.489574
DAB1	3.693585	1.734489
DAB2	3.528148	3.507476
DAB2IP	8.139986	7.342598
DACH1	4.631138	1.67165
DACH2	4.799765	3.044677
DACT1	0.511458	0.13114
DACT2	1.79766	1.191926
DACT3	6.700997	8.475415
DAD1	1.763311	0.784257
DAG1	6.356576	4.425083
DAGLA	16.0268	15.81925
DAGLB	8.591271	2.465168
DALRD3	2.754032	1.617538
DANCR	1.955619	1.250817
DAO	17.31884	6.434535
DAP	4.721164	3.653868
DAP3	2.405902	1.461907
DAPK1	6.325096	3.15803
DAPK2	8.994592	3.006349
DAPK3	11.76649	12.44139
DAPL1	4.813881	3.350964
DAPP1	36.60186	19.38923
DARS	4.402349	3.108894
DARS2	6.905918	0.818233
DAW1	34.21034	33.63361
DAXX	5.505703	5.157966
DAZAP1	0.590625	0.048698
DAZAP2	14.62893	9.112458
DAZL	6.076103	3.295654
DBF4	2.188907	0.858623
DBF4B	17.4872	10.97496
DBH	3.551298	4.165492
DBI	2.243302	1.553699
DBIL5	6.615688	7.420312
DBN1	15.93755	3.445596
DBNDD1	6.415782	5.081282
DBNDD2	7.040807	2.050863
DBNL	2.805244	2.977276
DBP	6.781757	6.341144
DBR1	6.91185	3.983021
DBT	9.451443	5.649048
DBX1	0.868231	1.117315
DBX2	12.87359	11.42331
DCAF1	5.917775	11.127

DCAF10	3.65333	2.281927
DCAF11	8.018021	6.164579
DCAF12	3.765215	3.191274
DCAF12L2	4.373283	3.655245
DCAF13	4.182206	6.827259
DCAF15	1.727352	1.436019
DCAF16	8.844866	12.09438
DCAF17	5.367426	3.942709
DCAF4	6.079172	6.684683
DCAF5	6.030471	5.863811
DCAF6	2.315241	2.406511
DCAF7	3.860049	2.297773
DCAF8	4.02692	2.590283
DCAKD	14.44351	14.56593
DCBLD1	2.811014	1.913192
DCBLD2	7.768849	4.913115
DCC	1.473891	0.58849
DCDC1	3.713976	3.495202
DCDC2	5.312233	3.645315
DCDC2B	6.248349	1.006415
DCDC2C	55.09163	27.98626
DCHS1	3.444896	2.144027
DCHS2	5.781355	3.138815
DCK	2.35505	3.415796
DCLK1	6.92192	2.170041
DCLK2	4.975869	2.549126
DCLK3	2.907276	1.851072
DCLRE1A	4.071812	3.03848
DCLRE1B	4.236338	2.33613
DCLRE1C	5.209815	4.759594
DCN	9.493447	10.34536
DCP1A	3.093881	1.902346
DCP1B	4.847412	3.387542
DCP2	7.911944	13.96643
DCPS	5.761734	5.806413
DCST1	7.271644	2.246425
DCST2	2.089555	0.553407
DCSTAMP	7.864396	3.114641
DCT	4.545912	6.486258
DCTD	4.264613	2.73173
DCTN1	2.674135	2.025194
DCTN2	3.519194	2.211952
DCTN3	1.620708	1.294562
DCTN4	12.66023	4.154081
DCTN5	6.189132	0.748411
DCTN6	0.976124	0.623025
DCTPP1	1.307035	0.862823
DCUN1D1	12.35779	11.48865
DCUN1D2	4.630511	4.648225
DCUN1D3	6.973526	1.638653

DCUN1D4	4.625771	4.047754
DCUN1D5	11.73849	6.573722
DCX	2.420751	1.250742
DCXR_1	6.720203	5.11374
DCXR_2	3.104103	2.785785
DDA1	9.129269	6.217107
DDAH1	5.010976	1.735116
DDAH2	0.027861	0.087866
DDB1	3.237677	2.303933
DDB2	4.188796	4.55948
DDC	1.417045	0.981011
DDHD1	9.042083	7.304231
DDHD2	14.44248	6.265461
DDI1	3.101703	2.443967
DDIAS	6.755073	0.156169
DDIT3	7.025036	9.351312
DDIT4	4.958996	2.43392
DDIT4L	6.483867	2.881862
DDN	26.39856	6.225404
DDO	6.616152	2.770809
DDOST	1.590408	0.984728
DDR1	5.670816	6.060762
DDR2	20.74105	6.257311
DDRGK1	6.851336	6.757611
DDT	3.089736	2.704728
DDX1	9.578593	7.312062
DDX10	5.527629	3.113135
DDX11	3.980644	0.010758
DDX17	5.681104	3.837497
DDX18	5.384513	4.948594
DDX19A	13.91879	9.399283
DDX19B	10.54325	9.74616
DDX20	2.033896	1.597059
DDX21	1.958908	0.999524
DDX23	8.052553	6.764247
DDX24	10.63684	3.386025
DDX25	2.849005	1.492707
DDX27	5.425335	6.22526
DDX28	7.108489	4.096357
DDX31	5.562268	5.041739
DDX39A	4.436895	3.275436
DDX39B	6.648952	8.602083
DDX3X	1.290082	0.648623
DDX4	4.175444	2.067562
DDX41	7.735896	8.324817
DDX42	3.42378	1.916713
DDX43	4.749958	5.152719
DDX46	7.615962	4.543334
DDX47	7.224354	3.347538
DDX49	3.834338	4.748833

DDX5	1.730134	0.8747
DDX50	8.925307	5.400228
DDX51	6.190728	4.101494
DDX52	6.82655	4.008651
DDX53	3.008137	2.090126
DDX54	9.494079	5.10579
DDX55	2.733993	4.289556
DDX56	5.213101	12.2872
DDX58	8.927296	7.487814
DDX59	2.501121	2.398812
DDX6	6.213102	1.761411
DEAF1	3.238173	2.123226
DECR1	4.071415	2.931551
DECR2	3.992958	1.787637
DEDD	7.944066	7.958046
DEDD2	11.85514	4.6019
DEF6	3.023752	3.486821
DEF8	0.958253	0.356778
DEFB	12.25829	9.933389
DEFB1	7.739667	1.790419
DEFB10	3.173412	1.418112
DEFB108B	2.562294	2.194815
DEFB110	7.302764	4.017252
DEFB112	7.733044	8.953925
DEFB113	10.04051	4.853121
DEFB114	5.785838	3.553303
DEFB115	4.279201	1.223483
DEFB116	3.086212	6.329955
DEFB119	5.523039	10.66322
DEFB121	3.848441	5.096743
DEFB122	8.189632	3.661212
DEFB122A	1.936616	3.459134
DEFB123	1.303469	1.159721
DEFB124	1.637804	1.947689
DEFB125	2.306382	0.99806
DEFB127	7.871989	5.956755
DEFB129	3.665602	5.694848
DEFB13	0.149822	0.049737
DEFB132	10.57877	6.454607
DEFB133	6.436319	4.775413
DEFB134	11.1161	8.964926
DEFB136	2.864863	2.381784
DEFB4A	4.544215	4.823134
DEFB7	4.050079	2.217727
DEGS1	8.228081	47.44988
DEGS2	3.874255	3.113871
DEK	8.817132	9.091962
DENND1A	19.06788	16.24676
DENND1B	1.91375	1.285508
DENND1C	2.542522	2.404333

DENND2A	4.672271	5.782077
DENND2C	4.392136	3.555581
DENND2D	4.45238	0.463508
DENND3	6.44935	8.555221
DENND4A	4.480559	2.74174
DENND4B	6.720639	7.253887
DENND4C	3.776455	4.503822
DENND5A	4.734042	3.746161
DENND5B	9.116828	8.260059
DENND6A	2.337426	1.086655
DENND6B	1.281737	0.641913
DENR	2.971265	2.530594
DEPDC1	6.535281	6.148384
DEPDC1B	9.268375	14.13786
DEPDC5	2.120561	1.775743
DEPDC7	6.752991	4.649942
DEPP1	2.783746	1.565665
DEPTOR	9.398911	1.069111
DERA	14.32393	9.766853
DERL1	1.452865	1.153841
DERL2	4.465964	4.909922
DERL3	4.568289	14.98237
DES	5.502899	3.151025
DESI1	6.942189	5.056938
DESI2	9.429938	4.645784
DET1	1.959255	1.142347
DEUP1	4.504699	2.359331
DEXI	10.21279	3.521335
DFFA	6.318537	2.981864
DFFB	1.204275	1.330107
DGAT1	2.584369	3.630981
DGAT2	6.012835	2.871776
DGAT2L6	7.682886	8.743085
DGCR2	4.494476	4.056232
DGCR6L	0.888963	0.931741
DGCR8	18.38749	9.383688
DGKA	10.01698	8.211262
DGKB	29.28427	5.553183
DGKD	4.205083	0.42081
DGKE	3.068864	0.683756
DGKG	2.20875	1.140968
DGKH	4.292031	2.636723
DGKI	4.090876	3.986552
DGKK	4.45008	2.482671
DGKQ	3.632237	3.704374
DGKZ	4.708819	1.948054
DGUOK	5.30732	3.60155
DHCR24	2.579796	1.698625
DHCR7	2.540258	2.601998
DHDDS	15.92329	10.24475

DHDH	6.357748	4.122561
DHFR	14.6425	10.18603
DHH	1.4776	3.129196
DHODH	3.430581	1.823592
DHPS	3.616325	1.414231
DHRS1	6.19764	3.736817
DHRS11	6.415257	3.526012
DHRS12	25.8149	17.74084
DHRS13	2.235399	1.341965
DHRS3	9.330634	6.173211
DHRS4	2.749938	2.432431
DHRS7	6.482697	5.000008
DHRS7B	1.980894	1.382529
DHRS7C	1.093489	0.468077
DHRS9	4.019087	2.359531
DHRSX	0.171474	0.238205
DHTKD1	0.019495	0.081979
DHX15	16.79487	23.69893
DHX16	6.782955	7.056074
DHX29	3.569433	2.560224
DHX30	11.09491	10.15071
DHX32	6.919056	4.885827
DHX33	6.816903	9.171205
DHX34	4.06666	1.496291
DHX35	2.38373	1.247887
DHX36	8.546179	6.788204
DHX37	5.868559	4.795443
DHX38	6.497142	4.178188
DHX40	5.746639	3.433741
DHX57	4.54004	2.611399
DHX58	10.1351	7.841724
DHX8	19.93127	6.082833
DHX9	4.853266	3.967374
DIABLO	2.721338	3.030277
DIAPH1	7.876294	3.429495
DIAPH2_1	4.787389	2.298377
DIAPH2_2	2.405814	1.230887
DIAPH3	3.438675	4.510907
DICER1	3.434254	2.2328
DIDO1	12.82326	13.46801
DIMT1	5.984756	1.097747
DIO1	1.995538	0.093758
DIO2	5.691527	4.125564
DIO3	3.927364	3.974816
DIP2A	6.13233	5.745898
DIP2B	8.866274	2.300338
DIP2C	2.794187	2.914288
DIRAS1	1.110206	0.786054
DIRAS2	1.224357	6.628895
DIRAS3	6.477733	4.463946

DIRC1	2.409791	1.50921
DIRC2	60.93998	35.19589
DIS3	3.215626	2.723147
DIS3L	3.908763	2.318283
DIS3L2	1.980536	0.505141
DISC1	9.162523	0.348653
DISP1	11.3639	3.685751
DISP2	2.308016	1.185798
DISP3	11.90273	8.056529
DIXDC1	10.20284	6.266114
DKC1	3.212599	1.916958
DKK1	6.202011	17.66787
DKK2	38.00775	39.41281
DKK3	9.006673	8.321238
DKK4	5.596596	5.021566
DKKL1	8.968222	6.557416
DLAT	2.450792	1.142178
DLC1	3.000985	2.574126
DLD	7.418504	6.364276
DLEC1	3.060568	1.310394
DLEU7	5.18914	3.990807
DLG1	5.191398	3.680255
DLG2	5.199355	4.166047
DLG3	3.7036	1.677929
DLG4	8.836852	4.405004
DLG5	52.31722	29.57744
DLGAP1	2.643171	1.65222
DLGAP2	4.147799	5.676196
DLGAP3	5.840445	4.068837
DLGAP4	5.196861	3.251994
DLGAP5	4.793634	4.114049
DLK1	4.844274	3.690849
DLK2	3.071345	0.830798
DLL1	2.071241	2.277908
DLL3	4.279031	3.248289
DLL4	1.798517	1.557516
DLST	7.750826	3.094005
DLX1	3.045678	2.72198
DLX2	7.832288	13.54364
DLX3	16.9519	6.098332
DLX4	6.376361	4.280365
DLX5	4.246785	2.929911
DLX6	3.718732	2.7455
DMAC1	5.409318	3.157294
DMAC2	1.915638	1.858463
DMAP1	9.469484	10.02204
DMBT1	1.116727	0.921784
DMBX1	0.081269	0.13456
DMC1	3.879593	0.439302
DMD	5.83559	4.753931

DMGDH	7.383373	2.79285
DMKN	0.827962	0.32951
DMP1	32.02782	25.53295
DMPK	7.098003	5.846816
DMRT1	5.71931	4.443604
DMRT2	1.53363	0.95704
DMRT3	8.424024	4.414896
DMRTA1	5.067224	2.367542
DMRTA2	1.497577	1.551526
DMRTB1	19.25632	13.21416
DMRTC2	8.485193	3.365591
DMTF1	6.839355	2.62662
DMTN	5.914743	5.487819
DMWD	2.813521	3.536755
DMXL1	5.331636	7.149381
DMXL2	3.05949	1.309049
DNA2	5.073087	2.633876
DNAAF1	68.59267	5.544981
DNAAF2	5.89798	5.5551
DNAAF3	11.23706	11.49805
DNAAF4	2.501933	2.03983
DNAAF5	7.836696	10.35693
DNAH1	0.983446	0.71315
DNAH10	1.162526	0.495005
DNAH12	4.402548	2.505888
DNAH14	2.407763	2.793032
DNAH17	5.968385	3.611576
DNAH2	8.449714	11.59372
DNAH3	9.079561	3.390704
DNAH5	9.544396	7.807206
DNAH6	7.874097	3.409263
DNAH7	4.038316	1.695939
DNAH8	3.827201	5.845463
DNAH9	10.83772	9.472683
DNAI1	6.711561	4.067803
DNAI2	3.689741	1.674772
DNAJA1	6.296674	7.341037
DNAJA2	7.56773	7.112487
DNAJA3	9.466798	10.69447
DNAJA4	4.452715	2.718974
DNAJB1	21.23317	15.36505
DNAJB11	17.38934	17.01081
DNAJB12	12.41331	7.508716
DNAJB13	12.30712	6.146196
DNAJB14	2.014836	1.186
DNAJB2	9.615774	3.271627
DNAJB3	5.717894	8.514214
DNAJB4	2.514499	3.556346
DNAJB5	5.673061	4.184958
DNAJB6	15.86094	23.19856

DNAJB7	4.630841	2.668831
DNAJB8	4.112241	0.919256
DNAJB9	3.946365	0.883726
DNAJC1	1.712973	1.152194
DNAJC10	4.496801	5.261391
DNAJC11	4.183306	3.137278
DNAJC12	6.085861	3.668807
DNAJC13	9.828303	6.961511
DNAJC14	1.522794	1.481201
DNAJC15	4.693217	2.889344
DNAJC16	6.507251	5.35908
DNAJC17	0.469889	0.316651
DNAJC18	6.203334	2.27226
DNAJC19	3.581163	2.265666
DNAJC2	10.12645	7.88452
DNAJC21	3.513565	0.583211
DNAJC22	6.794516	6.632811
DNAJC24	2.82479	4.296257
DNAJC25	9.972052	8.609139
DNAJC27	6.981107	5.621232
DNAJC28	7.058589	9.179403
DNAJC3	4.032392	1.60631
DNAJC30	5.719373	4.558446
DNAJC4	0.984078	0.438256
DNAJC5	2.278844	1.601
DNAJC5B	4.066795	2.266566
DNAJC5G	3.593203	0.899712
DNAJC6	11.05944	8.953973
DNAJC7	4.388045	2.533378
DNAJC8	10.31416	5.300608
DNAJC9	6.939774	6.140709
DNAL1	7.669085	4.681395
DNAL4	28.9679	54.50591
DNALI1	3.623477	1.615468
DNASE1	6.708932	2.530787
DNASE1L1	8.850852	4.264979
DNASE1L2	12.04012	2.786479
DNASE1L3	5.333134	5.448208
DNASE2	0.217955	0.03055
DNASE2B	8.581005	9.505686
DND1	5.793815	5.725813
DNER	3.653444	2.801293
DNHD1	1.440832	0.807441
DNLZ	4.493158	3.131275
DNM1	3.19943	3.179681
DNM1L	1.137652	3.833183
DNM2	5.099522	2.553371
DNM3	4.27297	15.20199
DNMBP	5.513286	15.57703
DNMT1	9.582608	6.108845

DNMT3A	7.269951	4.508658
DNMT3B	4.67913	3.88059
DNMT3L	4.547104	0.474853
DNPEP	5.562439	2.587083
DNPH1	4.214943	4.922615
DNTT	6.654358	7.293198
DNTTIP1	20.73912	28.58164
DNTTIP2	1.977449	0.700756
DOC2A	0.573645	0.242189
DOC2B	4.732266	5.264699
DOC2G	3.442668	0.209863
DOCK1	5.368025	3.469799
DOCK10	5.984247	11.91733
DOCK11	1.125335	0.668406
DOCK2	7.174313	7.799498
DOCK3	8.609752	1.340004
DOCK4	7.148375	3.174634
DOCK5	2.076559	1.322321
DOCK6	2.265326	1.359487
DOCK7	2.620328	13.39075
DOCK8	5.763264	4.254661
DOCK9	4.267107	9.692783
DOHH	6.573481	6.288139
DOK1	7.272034	6.351011
DOK2	4.56167	4.184047
DOK3	13.59192	9.02647
DOK4	1.871717	1.399136
DOK5	2.827872	1.275533
DOK6	5.417784	3.043474
DOK7	4.389904	2.986131
DOLK	3.574457	2.184344
DOLPP1	2.809288	2.060231
DONSON	3.743788	3.538284
DOPEY1	5.677647	4.855807
DOPEY2	4.915575	3.29142
DOT1L	5.745701	1.457684
DPAGT1	0.156927	0.311613
DPCD	3.726586	8.882537
DPEP1	3.508694	4.596856
DPEP2	7.468841	4.870559
DPEP2NB	6.754546	4.31282
DPEP3	3.696695	1.886543
DPF1	5.282614	4.59975
DPF2	8.992355	6.499665
DPF3	3.51982	3.854422
DPH1	2.295212	2.124761
DPH2	2.787528	2.452437
DPH3	7.381074	6.658035
DPH5	3.190088	2.539812
DPH6	1.579019	0.62037

DPH7	6.803535	8.860475
DPM1	4.197834	2.753783
DPM2	16.46087	11.95504
DPM3	2.518473	2.996568
DPP10	7.794399	5.894497
DPP3	1.08747	1.060238
DPP4	1.46445	0.73695
DPP6	5.674882	4.291241
DPP7	1.90775	3.797051
DPP8	10.51967	9.464121
DPP9	3.18782	2.202964
DPPA2	7.418821	4.278593
DPPA3	1.449792	0.261649
DPPA4	6.247743	3.719083
DPRX	11.05303	6.242112
DPT	13.056	10.63971
DPY19L1	8.901271	6.687554
DPY19L2	9.29464	3.817636
DPY19L3	1.61406	1.685615
DPY19L4	5.40811	7.588674
DPY30	12.088	8.815199
DPYD	2.283676	1.987587
DPYS	4.043614	2.083217
DPYSL2	2.976324	0.821213
DPYSL3	12.27729	11.21704
DPYSL4	3.287596	4.308063
DPYSL5	13.55187	15.04624
DQX1	7.640695	3.105558
DR1	4.408939	3.647637
DRAM1	3.576756	2.462995
DRAM2	4.328809	6.265565
DRAP1	0.980108	0.629657
DRAXIN	2.427365	2.043466
DRC1	7.116931	18.1589
DRC3	1.530412	3.821043
DRC7	4.248948	2.013698
DRD1	3.059679	2.556719
DRD2	7.750282	2.902042
DRD3	4.739177	2.885554
DRD4	5.995059	3.443339
DRD5	5.56207	4.455986
DRG1	3.610004	2.597602
DRG2	10.05992	7.944939
DRGX	5.530621	7.805256
DROSHA	3.371715	2.922581
DRP2	2.306176	1.902943
DSB	0.670547	1.08675
DSC1	7.802465	6.324052
DSC2	5.32534	2.498467
DSC3	14.45944	8.007162

DSCAM	6.541136	4.757615
DSCAML1	4.06933	5.029667
DSCC1	10.04102	10.32961
DSE	4.67479	2.976516
DSEL	2.504934	1.377328
DSG1	9.197283	3.065031
DSG2	7.861026	5.954553
DSG3	11.7786	6.936501
DSG4	0.747784	0.435866
DSN1	1.544341	0.551676
DSP	2.554333	1.086091
DSPP	4.209129	3.159254
DST	4.232027	3.442895
DSTN	4.60655	2.320165
DSTYK	6.121176	3.795832
DTD1	5.314456	2.39559
DTD2	3.075549	3.198981
DTHD1	13.85456	0.145067
DTL	6.619306	4.529754
DTNA	6.414057	4.514238
DTNB	2.049404	1.125462
DTNBP1	7.688624	6.662139
DTWD1	3.04698	2.176715
DTWD2	3.116938	1.703094
DTX1	3.386257	1.983219
DTX2	5.929521	4.925121
DTX3	5.930422	5.673111
DTX3L	2.567099	2.750037
DTX4	7.618111	6.489365
DTYMK	2.345059	1.91477
DUOX1	8.752378	3.876693
DUOX2	2.903543	9.433057
DUOXA1	6.202097	3.62486
DUOXA2	7.183345	11.90398
DUPD1	2.192739	1.288699
DUS1L	2.883158	3.221012
DUS2	2.008375	0.947521
DUS3L	29.1549	20.21246
DUS4L	4.014416	3.251199
DUSP1	18.28892	18.03864
DUSP10	3.563541	2.109472
DUSP11	2.370401	2.259019
DUSP12	5.616425	0.560132
DUSP13	2.719814	3.442231
DUSP14	6.400908	4.926048
DUSP15	1.321417	0.975116
DUSP16	4.912291	2.665181
DUSP18	2.733807	2.296335
DUSP19	9.267739	6.74866
DUSP2	10.37591	11.05404

DUSP21	2.779935	2.233443
DUSP22	1.725804	0.363119
DUSP23	16.72345	17.33887
DUSP26	5.275337	3.7431
DUSP27	7.192609	1.517454
DUSP28	8.977098	5.846463
DUSP3	2.371629	1.470618
DUSP4	1.373931	1.166597
DUSP5	3.365789	2.771161
DUSP6	4.641176	3.485059
DUSP7	5.382541	5.515772
DUSP8	18.02424	2.787883
DUSP9	1.325185	0.845476
DUT	5.878219	4.839435
DUXA	18.36867	13.90737
DVL1	7.714557	3.366881
DVL2	8.096543	4.316151
DVL3	2.162296	0.623746
DXO	7.689527	6.973424
DYDC1	4.585738	3.464261
DYDC2	6.826039	4.797399
DYM	1.981966	1.649117
DYNAP	10.59616	4.233078
DYNC1H1	2.261766	4.251893
DYNC1I1	8.43747	5.038244
DYNC1I2	2.570464	1.81095
DYNC1LI1	13.04499	6.035651
DYNC1LI2	11.73283	9.240441
DYNC2H1	5.701414	4.445761
DYNC2LI1	2.976376	1.972318
DYNLL1	2.166526	1.649544
DYNLL2	32.3946	14.27461
DYNLRB1	4.912947	6.242114
DYNLRB2	3.644768	4.549408
DYNLT1	1.978648	1.172776
DYNLT3	2.048131	0.889612
DYRK1A	2.109269	0.513947
DYRK1B	2.615507	1.899751
DYRK2	6.042776	6.299457
DYRK3	3.292903	2.558268
DYRK4	7.76548	5.411486
DYSF	10.01819	4.158768
DYTN	5.970949	4.118493
DZANK1	12.17411	8.511892
DZIP1	12.91675	3.85351
DZIP1L	7.353934	7.576645
DZIP3	7.188412	6.348022
E2F1	4.022064	3.122211
E2F2	15.63891	8.231565
E2F3	15.87304	20.70428

E2F4	4.045014	2.41164
E2F5	1.546848	0.830555
E2F6	5.793651	3.404457
E2F7	8.883762	6.534569
E2F8	5.744752	7.316672
E4F1	5.0939	2.687314
EAF1	1.13434	0.30953
EAF2	10.04558	10.99727
EAPP	0.861532	0.474141
EARS2	4.140684	1.901993
EBAG9	3.659532	3.912586
EBD	5.938495	13.89772
EBF1	26.56997	9.707472
EBF2	9.516819	3.719355
EBF3	1.285485	0.770286
EBF4	8.998657	10.0983
EBI3	4.03937	5.448956
EBNA1BP2	11.09805	5.850025
EBP	4.881391	6.485659
EBPL	3.099475	2.214119
ECD	6.734172	5.752987
ECE1	5.573551	4.365198
ECE2	6.020279	4.652797
ECEL1	3.467048	3.881328
ECH1	5.644503	3.894082
ECHDC1	1.843959	0.974341
ECHDC2	0.879211	0.657121
ECHDC3	5.928656	0.454063
ECHS1	3.492221	20.61443
ECI1	6.053047	4.456182
ECI2	2.329836	0.505707
ECM1	2.901084	5.03115
ECM2	4.436321	2.646038
ECPAS	5.819061	4.214941
ECSCR	2.009146	0.879015
ECSIT	3.718554	3.616748
ECT2	9.121997	8.458008
ECT2L	2.452944	3.058259
EDA	8.375811	2.829263
EDA2R	4.980108	2.351834
EDAR	3.906349	5.408116
EDARADD	4.254685	6.241935
EDC3	4.07191	3.347287
EDC4	4.014222	5.019113
EDDM13	5.502727	2.221912
EDEM1	1.83391	1.317409
EDEM2	8.077479	4.404533
EDEM3	6.139995	5.184932
EDF1	5.247235	3.08227
EDIL3	5.29778	3.51255

EDN1	7.914736	10.0057
EDN2	3.922829	5.223622
EDN3	5.298557	2.517781
EDNRA	10.21498	12.30991
EDNRB	2.005363	1.267584
EDRF1	8.744615	9.030047
EEA1	11.10974	9.69836
EED	5.836216	2.991882
EEF1A1	0.342848	0.145433
EEF1A2	4.107708	3.313858
EEF1AKMT1	3.923585	3.119779
EEF1AKMT2	8.386687	16.9015
EEF1AKMT3	7.038628	16.1799
EEF1B2	3.054082	4.524865
EEF1D	5.596724	1.913352
EEF1E1	7.253808	5.991572
EEF1G	3.777217	3.622337
EEF2	11.22992	0.453693
EEF2K	6.551899	11.14224
EEF2KMT	11.94055	11.1887
EEFSEC	1.738525	0.785027
EEPD1	8.070641	10.57192
EFCAB1	7.085659	4.818958
EFCAB10	9.675176	6.535148
EFCAB11	1.713567	2.03417
EFCAB13	24.06316	25.19029
EFCAB14	14.96027	3.907738
EFCAB2	5.468313	2.163481
EFCAB3	6.970744	4.917792
EFCAB5	4.02692	5.830711
EFCAB6	12.0303	7.665737
EFCAB7	4.943204	4.372706
EFCAB8	17.57273	3.275813
EFCAB9	9.657289	6.95676
EFCC1	8.202385	8.481038
EFEMP1	3.190349	1.938662
EFEMP2	1.564586	0.590905
EFHB	13.04238	9.075931
EFHC1	2.292771	1.096784
EFHC2	2.718416	2.259713
EFHD1	3.086077	2.339848
EFHD2	8.254707	4.610298
EFL1	2.435336	2.338223
EFNA1	0.625245	0.172405
EFNA2	16.22955	7.67225
EFNA3	2.797483	2.45805
EFNA4	5.31455	3.659512
EFNA5	2.875696	2.394049
EFNB1	13.47481	8.669223
EFNB2	5.505726	5.524155

EFNB3	11.04378	13.83938
EFR3A	1.480596	0.680847
EFR3B	7.369958	5.319345
EFS	5.99962	2.450993
EFTUD2	3.209759	3.886414
EGF	3.805096	2.530212
EGFL7	6.134008	5.221832
EGFL8	1.295558	1.879218
EGFLAM	6.078781	4.845148
EGFR	7.0455	5.223337
EGLN1	1.60903	0.797655
EGLN2	5.796263	3.215359
EGLN3	0.264518	0.12359
EGR1	1.003017	0.457583
EGR2	2.647645	2.16874
EGR3	12.77991	12.92954
EGR4	5.340022	4.581121
EHBP1	1.147961	2.068809
EHBP1L1	13.18352	18.79324
EHD1	3.33341	3.563474
EHD2	3.608165	3.814573
EHD3	16.75998	22.44603
EHD4	6.748675	5.004726
EHF	22.70699	11.14867
EHHADH	3.98316	2.760689
EHMT1	5.195572	4.02583
EHMT2	0.914326	0.692236
EI24	3.206025	3.681885
EID1	3.335571	1.860148
EID2	2.650513	2.599034
EID3	6.760679	10.95924
EIF1	5.898401	1.768793
EIF1AD	4.827218	2.111604
EIF1AX	6.989159	6.195102
EIF1B	3.201549	0.210741
EIF2A	2.134719	1.916699
EIF2AK1	3.311188	1.934898
EIF2AK2	4.50078	2.692259
EIF2AK3	3.970923	4.330995
EIF2AK4	2.889678	1.188595
EIF2B1	6.285923	1.996209
EIF2B2	5.06061	6.299502
EIF2B3	4.143795	2.584487
EIF2B4	5.350578	4.273617
EIF2B5	5.186897	2.599284
EIF2D	10.24528	9.927581
EIF2S1	13.21371	9.884951
EIF2S2	8.537527	26.58835
EIF2S3	4.994238	4.695406
EIF3A	1.85535	1.710238

EIF3B	2.770434	2.235294
EIF3CL	5.353546	3.582451
EIF3D	3.711096	3.057205
EIF3E	8.534866	3.62418
EIF3F	3.266723	0.49002
EIF3G	11.5956	8.263157
EIF3H	5.470506	4.088241
EIF3I	8.057788	6.001733
EIF3J	9.046089	9.364644
EIF3K	5.719277	5.724597
EIF3L	7.057558	3.751079
EIF3M	4.394817	4.2266
EIF4A1	5.909593	3.759917
EIF4A2	7.1371	8.94438
EIF4A3	9.94701	5.672282
EIF4B	2.19377	4.133121
EIF4E	4.45986	5.839934
EIF4E1B	4.125493	2.039969
EIF4E2	5.010499	2.905782
EIF4E3	4.090844	5.338912
EIF4EBP1	3.568373	6.823579
EIF4EBP2	2.418143	0.839139
EIF4EBP3	2.158184	1.279178
EIF4ENIF1	8.828881	6.790252
EIF4G1	18.13969	11.77055
EIF4G2	2.444247	0.200187
EIF4G3	7.243359	4.732529
EIF4H	3.920038	2.871603
EIF5	2.983075	3.538706
EIF5A	0.17264	15.46689
EIF5A2	12.67786	8.239504
EIF5B	3.304959	1.726947
EIF6	0.899978	0.831132
EIPR1	4.014059	2.073261
ELAC1	21.81753	11.02282
ELAC2	1.714033	1.500337
ELANE	4.225574	1.566401
ELAVL1	4.633053	3.465359
ELAVL2	13.18531	11.85524
ELAVL3	7.981804	0.788427
ELAVL4	8.536362	15.8734
ELF1	2.20554	2.191734
ELF2	1.948051	1.057507
ELF3	4.943035	3.043318
ELF4	1.537659	1.123196
ELF5	3.538214	3.628782
ELFN1	3.595102	2.444029
ELFN2	4.522199	3.879232
ELK1	2.273177	2.020006
ELK3	0.750889	0.553951

ELK4	1.036817	0.416751
ELL	19.28114	23.96507
ELL2	5.684923	3.406157
ELL3	31.11526	6.912895
ELMO1	7.920676	8.426933
ELMO2	6.829813	5.250498
ELMO3	1.304157	1.371008
ELMOD1	4.50865	8.094064
ELMOD2	9.365097	5.997837
ELMOD3	0.960182	2.218279
ELMSAN1	3.872927	5.770812
ELN	7.055857	4.589346
ELOA	2.235423	0.953628
ELOB	4.088273	3.165807
ELOC	3.595304	2.453818
ELOF1	0.7377	0.317681
ELOVL1	7.291311	5.932862
ELOVL2	0.562126	0.009688
ELOVL3	1.718217	1.185124
ELOVL4	2.543667	4.105833
ELOVL5	2.924973	2.698297
ELOVL6	6.048042	3.970075
ELOVL7	3.35938	2.574542
ELP1	6.63348	0.862387
ELP2	2.156918	1.38915
ELP3	4.595551	3.18468
ELP4	0.745992	3.483448
ELP5	4.786124	3.799458
ELP6	1.605948	1.13508
ELSPBP1	7.805835	2.653588
EMB	3.71023	1.316701
EMC1	2.438761	2.287917
EMC10	2.850359	1.724093
EMC2	0.777628	0.55697
EMC3	6.583085	10.22799
EMC4	2.477111	2.213474
EMC6	3.360677	3.096532
EMC7	23.2343	6.843856
EMC8	4.876147	2.615356
EMC9	6.923696	7.50468
EMCN	27.81517	9.909752
EMD	9.855753	8.020794
EME1	0.129433	0.057292
EME2	1.172553	0.515704
EMG1	5.645624	9.023954
EMID1	6.822926	4.225804
EMILIN1	3.047293	2.48024
EMILIN2	2.241424	2.796015
EMILIN3	6.455838	2.983615
EML1	6.216618	4.790683

EML2	5.639432	2.008667
EML3	2.871624	0
EML4	8.966508	4.476748
EML5	1.291852	1.086458
EML6	15.76043	8.155179
EMP1	1.615178	5.782486
EMP2	9.940112	2.411187
EMP3	4.913782	4.523843
EMSY	9.001813	7.165442
EMX1	3.795207	2.602208
EMX2	4.86911	5.034193
EN1	1.422705	1.049705
EN2	2.68664	2.475245
ENAH	2.545983	1.962759
ENAM	3.630547	1.985898
ENC1	8.501254	9.30692
ENDOD1	6.485903	4.916483
ENDOG	4.824903	5.259874
ENDOU	1.717252	1.875114
ENDOV	3.128251	8.370995
ENG	12.54091	9.493515
ENGASE	6.657	4.311858
ENHO	2.526102	1.49172
ENKD1	1.821405	1.383422
ENKUR	2.027175	0.073486
ENO1	24.66231	14.1008
ENO2	2.30157	1.651668
ENO3	6.858076	1.778903
ENO4	7.665082	6.47097
ENOPH1	5.488694	5.896461
ENOSF1	6.827947	2.667195
ENOX1	2.428144	2.145864
ENOX2	1.423045	1.018482
ENPEP	3.185121	1.934115
ENPP1	2.624681	1.220855
ENPP2	0.302306	0.141245
ENPP3	8.214536	6.605695
ENPP4	2.968814	2.284135
ENPP5	5.463351	4.981917
ENPP6	16.86362	2.727392
ENPP7	2.976858	2.492685
ENSA	4.624475	3.023499
ENTHD1	11.90381	20.6284
ENTPD1	7.937001	2.990871
ENTPD2	2.761457	1.73201
ENTPD3	2.847186	0.729205
ENTPD4	6.913114	8.153367
ENTPD5	6.800378	7.671222
ENTPD6	9.877344	9.3794
ENTPD7	6.758001	3.689369

ENTPD8	6.807752	4.914248
ENTR1	11.59542	40.65259
ENY2	9.693314	13.27796
EOGT	3.224482	1.29801
EOMES	1.451856	1.548641
EP300	8.059242	7.646003
EP400	5.676957	4.394565
EPAS1	5.925885	5.306812
EPB41	5.185193	4.366478
EPB41L1	2.538877	1.848331
EPB41L2	3.054616	2.004564
EPB41L3	7.120263	4.296301
EPB41L4A	12.11755	5.705299
EPB41L4B	1.927977	2.054418
EPB41L5	9.197138	6.915344
EPB42	3.632853	2.295859
EPC1	1.713977	0.691536
EPC2	1.911368	2.055127
EPCAM	4.606152	9.55965
EPDR1	2.001302	0.954957
EPG5	2.705869	1.780445
EPGN	3.452904	2.339422
EPHA1	4.278038	5.417372
EPHA10	2.912564	1.730522
EPHA2	4.362434	3.896703
EPHA3	8.045987	7.180319
EPHA4	13.49061	11.87036
EPHA5	8.359148	0.319097
EPHA6	2.883391	2.259274
EPHA7	4.879601	3.098172
EPHA8	1.698564	1.743841
EPHB1	4.831605	2.176831
EPHB2	8.09103	7.633641
EPHB3	4.909077	3.751817
EPHB4	3.38221	1.423253
EPHB6	5.92819	5.579913
EPHX1	0.046014	0.078606
EPHX2	1.661637	0.684874
EPHX3	1.999257	2.119857
EPHX4	6.617401	4.98575
EPM2A	1.867054	2.064721
EPM2AIP1	4.194155	2.767233
EPN1	1.63333	0.23248
EPN2	5.860108	5.972154
EPN3	5.026971	2.547525
EPO	1.824038	0.726269
EPOP	2.504826	2.00599
EPOR	1.476246	1.033054
EPPK1	7.648246	7.114297
EPRS	12.37516	10.32401

EPS15	1.308619	0.394645
EPS15L1	8.713217	3.845926
EPS8	0.130042	0.148101
EPS8L1	3.966656	5.045058
EPS8L2	4.894475	3.331449
EPS8L3	3.658638	1.751547
EPSTI1	1.19633	1.107877
EPYC	2.229695	30.43783
EQTN	5.52544	7.876128
ERAL1	7.396148	4.22077
ERAP1	4.414917	3.654807
ERAP2	4.893305	2.427569
ERAS	3.112967	2.668095
ERBB2	11.88614	0.153097
ERBB3	1.380833	1.533328
ERBB4	3.423233	3.689561
ERBIN	4.338285	4.347942
ERC1	2.43915	1.741422
ERC2	7.917639	3.914489
ERCC1	4.404448	2.703805
ERCC2	3.011155	2.950693
ERCC3	2.396347	1.918291
ERCC4	19.70942	9.32423
ERCC5	12.09865	8.345108
ERCC6	5.88222	3.175178
ERCC6L	23.01601	16.99468
ERCC6L2	2.564317	2.629447
ERCC8	2.419414	2.197333
EREG	1.900715	0.438911
ERF	2.917251	2.762451
ERFE	2.476336	1.506256
ERG	2.973755	2.396867
ERGIC1	10.02091	16.71268
ERGIC2	3.514681	1.893411
ERGIC3	0.384118	0.437459
ERH	2.343736	1.082612
ERI1	4.735755	3.848741
ERI2	2.865748	3.184552
ERI3	4.746772	5.27435
ERICH1	1.140377	0.486013
ERICH2	7.68843	6.035289
ERICH3	2.451883	1.777446
ERICH4	1.775305	0.729652
ERICH5	12.22452	3.594095
ERICH6	4.226824	3.074137
ERICH6B	26.58047	12.97765
ERLEC1	4.924897	4.974011
ERLIN1	5.491274	3.783901
ERLIN2	1.039923	0.250532
ERMAP	0.089924	0.229582

ERMARD	6.269148	2.89282
ERMN	15.88231	6.571548
ERMP1	1.926471	0.952575
ERN1	6.359295	5.805424
ERN2	7.285096	1.968805
ERO1A	9.966934	8.630023
ERO1B	10.70436	7.257916
ERP27	4.406894	5.012716
ERP29	3.290733	4.873191
ERP44	8.484899	3.785771
ERRFI1	4.992793	3.311947
ESAM	3.214688	4.092894
ESCO1	4.662471	4.184968
ESCO2	0.808414	0.208297
ESD	0.761105	0.633652
ESF1	12.82351	17.2484
ESM1	2.771389	1.093005
ESPL1	4.808888	2.444252
ESPN	1.438372	1.072328
ESPNL	3.787769	1.423841
ESR1	1.577922	1.332452
ESR2	11.29111	10.87927
ESRP1	7.612081	4.746846
ESRP2	4.638568	4.030217
ESRRA	5.277348	4.302149
ESRRB	3.912287	2.646417
ESRRG	5.86968	4.499214
ESS2	6.45935	6.799271
ESX1	7.966493	4.501873
ESYT1	4.840594	2.240622
ESYT2	5.978931	4.715686
ESYT3	9.49834	9.214272
ETAA1	1.789804	0.729942
ETF1	2.519736	0.955045
ETFA	2.488945	3.193825
ETFB	15.33781	11.72875
ETFBKMT	4.969625	15.6092
ETFDH	5.261879	4.179633
ETFRF1	6.911871	8.288343
ETHE1	10.71527	8.89799
ETNK1	4.152213	3.418386
ETNK2	3.213099	2.057531
ETNPPL	3.481413	1.712857
ETS1	17.81847	2.326592
ETS2	8.322776	6.097023
ETV1	6.036063	2.7957
ETV2	4.193172	3.255124
ETV3	4.050928	3.579998
ETV3L	6.854853	4.72493
ETV4	2.181179	1.577636

ETV5	3.001563	3.859667
ETV6	3.779604	3.45618
EVA1A	4.045127	4.232206
EVA1B	7.032912	3.662883
EVA1C	5.953891	4.210429
EVC	9.238128	6.823224
EVC2	5.382868	3.157796
EVI2A	4.428223	5.629512
EVI2B	9.080319	4.857531
EVI5	2.397026	2.739929
EVI5L	6.393588	5.293011
EVL	11.76606	6.045835
EVPL	2.017224	1.852667
EVX1	2.325041	1.809081
EVX2	0.731385	0.369061
EWSR1	5.573981	5.476833
EXD1	7.665502	4.439945
EXD2	5.831565	4.671459
EXD3	4.021971	3.11604
EXO1	5.518963	3.080291
EXO5	7.773708	5.231014
EXOC1	2.373215	1.929751
EXOC1L	1.922384	1.010462
EXOC2	3.429691	1.377766
EXOC3	16.91923	7.764211
EXOC3L1	0.695958	0.249066
EXOC3L2	7.491405	10.74157
EXOC3L4	1.666259	1.07506
EXOC4	4.51546	1.54
EXOC5	1.457705	1.719032
EXOC6	1.188616	0.685029
EXOC6B	20.8316	27.23679
EXOC7	4.336511	3.229764
EXOC8	20.36422	20.96617
EXOG	2.259616	1.927159
EXOSC1	2.417094	3.266247
EXOSC10	3.660097	2.220944
EXOSC2	3.868807	2.905951
EXOSC3	2.594678	4.108312
EXOSC4	3.808798	2.014422
EXOSC5	2.987387	2.539817
EXOSC6	10.67694	10.11605
EXOSC7	5.4026	3.259255
EXOSC8	0.993528	1.002862
EXOSC9	2.447061	1.217588
EXT1	3.268522	1.927185
EXT2	16.6992	9.001846
EXTL1	5.798566	4.235627
EXTL2	3.15931	3.634582
EXTL3	11.46769	6.728473

EYA1	5.549215	6.318742
EYA2	7.11666	2.938135
EYA3	18.37811	22.62533
EYA4	6.136982	3.581535
EZH1	8.271498	3.006212
EZH2	4.95484	3.389976
EZR	28.02392	20.38792
F10	3.674337	1.99794
F11	8.008899	6.102473
F11R	10.26453	1.218745
F12	4.924744	3.594289
F13A1	16.72022	7.139343
F13B	4.260179	3.413304
F2	0.450263	0.528384
F2R	4.175024	2.824351
F2RL1	7.953956	3.801767
F2RL2	12.8083	11.34563
F2RL3	10.29617	10.07631
F3	2.596409	1.75049
F5	3.908358	4.928928
F7	8.768016	5.079688
F8	1.89239	3.706212
F8A1	6.631603	3.282031
FA2H	3.561419	2.743334
FAAH	3.93052	3.58015
FAAP100	3.020587	5.18167
FAAP20	4.237264	2.528713
FAAP24	14.69669	8.669007
FABP1	6.108794	2.142284
FABP12	7.711184	7.686602
FABP2	0.574526	0.363684
FABP3	8.100064	5.829414
FABP4	6.143075	7.030362
FABP5	2.212122	2.324257
FABP6	9.263655	7.283717
FABP7	3.425946	2.411213
FABP9	6.087267	4.843658
FADD	1.51153	3.670303
FADS1	48.54976	17.17685
FADS2	3.201472	2.114398
FADS3	9.392186	7.305165
FADS6	2.718301	1.879094
FAF1	2.953867	2.178143
FAF2	3.940478	2.135239
FAH	3.411813	3.954998
FAHD1	8.413108	5.780188
FAHD2A	3.026267	3.169768
FAIM	6.369621	3.156886
FAIM2	3.60821	2.422315
FAM101A	3.742145	3.342007

FAM102A	1.300349	1.717429
FAM102B	12.26052	8.761537
FAM104A	3.290145	1.567035
FAM107A	5.512943	5.870759
FAM107B	2.145472	0.78008
FAM110A	4.715932	0.090261
FAM110B	4.927053	2.596265
FAM110C	5.544991	2.34268
FAM110D	2.863688	3.852491
FAM111B	3.043142	1.018169
FAM114A1	7.651173	0.143734
FAM114A2	10.64382	3.784159
FAM117A	5.985095	2.637865
FAM117B	10.48564	8.311252
FAM118A	8.003571	9.843883
FAM118B	4.595772	5.098385
FAM120A	6.430462	5.256807
FAM120B	8.082887	0.050539
FAM120C	1.379094	2.372767
FAM122A	0.256765	0.221083
FAM122B	1.447512	0.754001
FAM124A	1.410761	0.242135
FAM124B	6.819958	7.383129
FAM126A	4.32338	2.920914
FAM126B	9.590886	12.60225
FAM129A	8.088921	2.926663
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FAM129C	2.58168	1.323548
FAM131A	3.435057	2.051031
FAM131B	1.141709	0.862303
FAM131C	15.73823	9.29812
FAM133A	13.88111	10.07212
FAM133B	3.596672	3.090468
FAM135A	1.051648	1.164287
FAM135B	4.724376	4.309952
FAM136A	10.66556	9.27869
FAM13A	3.178182	4.344647
FAM13B	1.579414	1.014674
FAM13C	0.242475	0.132993
FAM149A	1.755028	0.673823
FAM149B1	3.153159	2.77481
FAM151A	4.55712	3.205153
FAM151B	3.994829	5.249504
FAM155A	3.791614	9.507458
FAM155B	3.906152	3.264487
FAM160A1	2.011757	1.618228
FAM160A2	0.548629	0.480627
FAM160B1	2.311317	1.565714
FAM160B2	5.350449	2.929083
FAM161A	2.42638	1.456504

FAM161B	4.806251	3.952025
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FAM162B	11.95261	7.747369
FAM163A	3.540268	1.662294
FAM163B	4.281084	3.25997
FAM166A	5.687865	1.881093
FAM166B	6.879049	4.179798
FAM167A	2.408724	1.592961
FAM167B	2.192814	1.377035
FAM168A	5.075412	3.207301
FAM168B	15.04089	13.12234
FAM169A	14.99422	20.28088
FAM169B	13.55943	10.33957
FAM170A	4.861665	3.702857
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FAM171A2	2.333886	1.776846
FAM171B	4.131134	3.265857
FAM172A	1.842265	1.055691
FAM173A	3.64005	0.367741
FAM173B	8.262582	0.816272
FAM174A	2.669282	1.840509
FAM174B	4.560688	2.300424
FAM177A1	7.612075	9.908744
FAM177B	1.75662	0.790017
FAM178B	10.79323	7.815039
FAM180A	9.994717	4.670761
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FAM181A	2.865029	2.119726
FAM181B	4.764413	3.08107
FAM183A	3.986338	2.189638
FAM184A	1.247476	0.640876
FAM184B	2.305537	1.437851
FAM185A	5.205146	3.437514
FAM186A	2.656123	1.421708
FAM186B	1.139363	1.100291
FAM187A	5.394292	4.517496
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FAM189A1	1.889636	1.676403
FAM189A2	7.021176	6.397268
FAM189B	0.135156	0.058125
FAM192A	4.214622	4.130562
FAM193A	7.267035	2.099802
FAM193B	2.8482	2.839952
FAM196A	1.85852	1.133539
FAM196B	3.345969	1.964939
FAM198A	5.44614	1.007051
FAM198B	5.16621	2.78124
FAM199X	10.6671	6.731522
FAM19A1	5.030471	4.891276

FAM19A2	4.713849	2.506688
FAM19A3	0.707218	0.407846
FAM19A4	30.11899	10.37888
FAM19A5	0.850892	0.312765
FAM200A	6.769174	3.59393
FAM204A	4.073889	3.444794
FAM205A	3.029751	2.119446
FAM205C	4.097219	3.986068
FAM206A	0.578113	1.099308
FAM207A	4.630867	2.645149
FAM208A	8.48615	5.787573
FAM208B	2.966748	2.013153
FAM209A	2.939908	1.91348
FAM20A	9.624221	8.540805
FAM20B	6.016788	1.261332
FAM20C	4.559839	2.145344
FAM210A	8.561861	8.4982
FAM210B	1.918516	1.314744
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FAM212B	2.266729	1.896026
FAM213A	5.098792	3.703927
FAM213B	1.278011	0.962737
FAM214A	1.824309	1.168802
FAM214B	5.594003	4.976318
FAM216A	1.336444	0.950321
FAM216B	6.431038	3.551092
FAM217A	2.095872	1.44046
FAM217B	5.007512	3.550163
FAM219A	3.55984	5.793068
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FAM21A	3.047793	2.80563
FAM221A	7.81869	4.316162
FAM221B	5.756455	5.7516
FAM222A	4.606844	4.511246
FAM222B	4.214381	2.418092
FAM227A	7.798921	1.26705
FAM227B	8.66095	2.53501
FAM228A	28.69351	12.65094
FAM228B	4.930669	3.365013
FAM229A	7.365678	5.131754
FAM229B	6.078995	2.337911
FAM234A	5.091966	1.302327
FAM234B	5.229017	5.416103
FAM237A	8.550972	12.80152
FAM240A_1	19.54014	6.56529
FAM240A_2	8.610461	12.02307
FAM241A	13.38954	8.194675
FAM241B	10.25558	8.607594
FAM24A	4.874059	7.659879
FAM25A	14.54527	6.23659

FAM32A	3.621293	5.400555
FAM3A	10.91585	7.703317
FAM3B	2.004877	1.445944
FAM3C	6.369429	2.719587
FAM3D	5.468975	6.328192
FAM43A	10.67035	13.29716
FAM43B	3.855215	2.990577
FAM45A	4.264449	4.809321
FAM46A	21.92089	4.979225
FAM46B	3.434263	2.258548
FAM46D	1.873462	0.862182
FAM47E	3.42853	2.305885
FAM49A	3.1244	2.467503
FAM49B	3.028716	3.340149
FAM50A	3.099317	3.485803
FAM53A	6.065041	10.32973
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FAM57B	8.226005	7.305124
FAM69A	5.80757	8.919044
FAM69B	4.85807	2.975356
FAM69C	1.041905	0.947867
FAM71A	1.18223	0.637119
FAM71B	2.269883	2.903558
FAM71C	2.721365	2.544088
FAM71D	5.459352	4.965658
FAM71E1	7.46904	5.666451
FAM71E2	4.76901	4.415199
FAM71F1	8.234239	7.529893
FAM71F2	2.181039	2.393191
FAM72A	1.950941	1.237735
FAM76A	1.975511	1.514673
FAM76B	4.134822	2.648047
FAM78A	7.266316	3.92302
FAM78B	4.928116	3.285623
FAM81A	8.879069	10.4234
FAM81B	2.792205	1.069238
FAM83A	3.350558	1.66394
FAM83B	3.421258	2.885819
FAM83C	2.748669	0.614131
FAM83D	5.605247	2.271865
FAM83E	6.801262	5.411373
FAM83F	4.262564	3.998955
FAM83G	3.337751	3.844618
FAM83H	12.37371	14.12975
FAM84A	9.860234	6.76051
FAM84B	4.507718	3.452665
FAM89A	8.029004	7.433211

FAM89B	3.217367	3.973727
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FAM91A1	2.819987	1.107708
FAM92A	10.44449	7.064287
FAM92B	4.809717	5.322155
FAM96A	4.506151	1.862918
FAM96B	3.330899	5.15293
FAM98A	5.845353	3.025703
FAM98B	4.431964	4.492455
FAM98C	3.909234	0.775531
FAN1	3.984203	0.268687
FANCA	3.732093	1.101653
FANCB	6.819309	2.153174
FANCC	3.109105	3.106124
FANCD2	8.949182	23.24159
FANCD2OS	7.466105	14.13911
FANCE	4.624571	3.993868
FANCF	2.56262	2.163753
FANCG	7.305584	3.919509
FANCI	8.266838	6.131196
FANCL	2.600455	3.373815
FANCM	7.778385	4.288691
FANK1	5.95229	5.427599
FAP	2.787647	2.320632
FAR1	7.922058	1.766991
FAR2	9.010553	4.636328
FARP1	12.89444	6.037056
FARP2	6.766513	6.259257
FARS2	3.730528	2.53456
FARSA	1.067868	0.525256
FARSB	5.659415	1.49752
FAS	0.748977	0.379523
FASLG	4.655214	3.397804
FASN	6.963634	8.26089
FASTK	10.35536	5.427668
FASTKD1	2.090846	1.412418
FASTKD2	7.532751	4.776719
FASTKD3	2.360789	2.219537
FASTKD5	8.492612	4.314707
FAT1	4.76487	1.430198
FAT2	9.363907	3.371217
FAT3	0.134615	0.064008
FAT4	6.753385	6.750994
FATE1	6.993312	6.126176
FAU	3.091155	1.623669
FAXC	0.860736	0.581222
FAXDC2	1.32165	0.700488
FBF1	3.119617	2.738654
FBH1	1.979235	1.369129
FBL	9.136601	9.08154

FBLIM1	24.47166	6.177592
FBLL1	1.600937	0.774253
FBLN1	4.116146	5.12806
FBLN2	2.977166	2.666959
FBLN5	6.185554	30.01106
FBLN7	1.306617	1.153528
FBN1	7.214526	7.533654
FBN2	3.89193	2.314116
FBN3	2.807622	2.267522
FBP1	4.578476	5.312018
FBP2	4.10272	2.00423
FBRS	12.92756	12.28648
FBRSL1	9.863373	1.89999
FBXL12	12.02078	15.30148
FBXL13	5.089993	4.995727
FBXL14	4.115892	3.62831
FBXL15	4.663754	3.404534
FBXL16	9.184778	2.937685
FBXL17	7.659983	8.209066
FBXL18	4.849034	3.574662
FBXL19	2.841792	1.772873
FBXL2	1.865525	1.566166
FBXL20	7.600468	3.937049
FBXL21	0.793925	0.447426
FBXL22	13.51701	7.817809
FBXL3	3.647841	4.56256
FBXL4	4.370186	1.746556
FBXL5	4.142526	2.730256
FBXL6	1.441622	0.834231
FBXL7	1.055672	0.669835
FBXL8	4.804391	6.860232
FBXO10	3.58077	1.624403
FBXO11	2.776572	0.897843
FBXO15	0.307633	0.764872
FBXO16	9.264752	8.770415
FBXO17	2.482797	4.239947
FBXO2	2.416663	1.898184
FBXO21	9.276073	2.821854
FBXO22	4.047811	1.05486
FBXO24	3.019542	5.539922
FBXO25	4.200017	5.000908
FBXO28	5.857075	4.388042
FBXO3	1.062873	0.764156
FBXO30	4.038503	3.026203
FBXO31	7.73772	6.458777
FBXO32_1	7.007189	4.319236
FBXO32_2	1.676539	0.694309
FBXO33	88.72337	32.2296
FBXO34	2.947351	1.777461
FBXO36	2.275059	0.313287

FBXO38	1.075508	1.015414
FBXO39	3.691707	3.120236
FBXO4	3.668029	2.784445
FBXO40	3.827727	2.328212
FBXO41	1.124371	0.209013
FBXO42	2.184525	1.735919
FBXO43	3.0662	2.452054
FBXO44	13.01571	12.49651
FBXO45	6.565221	4.542036
FBXO46	6.799859	3.978837
FBXO47	8.413813	5.719972
FBXO48	2.829081	1.979583
FBXO5	5.087375	2.726157
FBXO6	5.656974	3.479256
FBXO7	8.859826	6.854385
FBXO8	3.046276	1.533967
FBXO9	1.289687	0.851371
FBXW11	2.38635	2.549473
FBXW12	7.895993	4.570371
FBXW2	9.210812	11.04777
FBXW4	2.895754	2.709203
FBXW5	8.468725	6.285967
FBXW7	4.051636	3.93481
FBXW8	5.096147	4.728905
FBXW9	7.51134	3.261088
FCAMR	18.27106	1.301834
FCAR	6.585804	3.101084
FCER1A	4.090344	2.437091
FCER1G	4.342072	3.602369
FCER2	0.599177	0.962245
FCF1	13.83853	13.312
FCGBP	2.650797	0.772656
FCGR1A	3.197952	3.472396
FCGR2A	2.619402	1.963191
FCGR2B	1.654497	1.631384
FCGR3A	8.714731	6.708259
FCGRT	4.008895	2.968656
FCHO1	1.230976	0.466716
FCHO2	5.438544	6.966721
FCHSD1	11.61573	6.234795
FCHSD2	2.33468	1.475998
FCMR	4.425818	3.127311
FCN1	4.73771	3.25085
FCN3	6.937096	7.590351
FCRL1	3.394087	2.500457
FCRL3	17.39854	15.94509
FCRL4	2.845652	2.225795
FCRL5	4.776658	2.516411
FCRL6	34.37632	7.780448
FCRLA	5.263076	3.344282

FCRLB	2.683238	2.877891
FDCSP	9.179536	5.93813
FDFT1	38.14201	27.1281
FDPS	2.767234	0.964019
FDX1	4.139442	3.009082
FDX2	4.769408	3.791597
FDXACB1	4.722273	2.364878
FDXR	4.974414	6.586921
FECH	1.103862	1.344465
FEM1A	4.749687	4.605755
FEM1B	1.748489	1.262862
FEM1C	1.691039	1.018938
FEN1	2.988794	1.823428
FER	2.923421	1.77296
FER1L5	4.063021	3.42118
FER1L6	5.51706	3.328308
FERD3L	1.798857	2.691829
FERMT1	5.209857	5.385993
FERMT2	2.845035	1.978576
FERMT3	2.63566	1.75716
FES	2.530501	0.881396
FETUB	2.187184	1.810759
FEV	3.382018	1.935007
FEZ1	3.480997	2.406034
FEZ2	6.01221	6.278861
FEZF1	2.930309	3.39041
FEZF2	5.259925	3.599233
FFAR1	6.037466	3.36864
FFAR2	0.322688	0.102797
FFAR3	2.206613	0.606243
FFAR4	0.889541	0.380342
FGA	2.939523	2.431364
FGB	4.228675	2.377363
FGD1	4.962533	3.417043
FGD2	7.902406	6.285895
FGD3	10.7763	9.283478
FGD4	2.854795	0.654093
FGD5	5.628915	6.657535
FGD6	2.515069	3.003907
FGF1	9.72987	3.310285
FGF10	4.038352	3.521807
FGF11	6.969465	3.021422
FGF12	2.820484	1.983711
FGF14	1.213306	0.471023
FGF16	2.423379	1.492196
FGF17	11.11204	4.198089
FGF18	15.35056	13.79563
FGF19	3.567442	1.918427
FGF2	1.303403	2.075686
FGF20	2.014564	1.480298

FGF21	13.44392	9.631482
FGF22	3.166559	2.971244
FGF23	8.385452	0.525839
FGF3	1.713136	2.183306
FGF4	4.455035	3.375951
FGF5	12.40337	8.459581
FGF6	2.632038	1.487439
FGF7	0.881726	0.43943
FGF8	11.47701	16.39196
FGF9	14.47848	7.627142
FGFBP1	6.016282	5.379159
FGFBP3	0.496588	0.427535
FGFR1	8.751167	4.328454
FGFR1OP	3.461946	0.94688
FGFR1OP2	5.535753	5.061612
FGFR2	1.104753	2.842151
FGFR3	4.699226	3.113046
FGFR4	6.918873	5.980326
FGFRL1	14.19222	6.328646
FGG	7.635773	4.951524
FGGY	5.587628	5.787873
FGL1	2.84055	2.117252
FGL2	1.707828	1.145079
FGR	4.213322	2.790237
FH	6.537887	3.523839
FHAD1	4.925869	2.302907
FHDC1	2.763315	1.851028
FHIT	5.047171	2.920184
FHL2	13.71827	10.69068
FHL3	1.820748	1.367199
FHL5	1.891694	1.07524
FHOD1	5.663182	6.471934
FHOD3	2.680761	1.472862
FIBCD1	1.307977	0.988153
FIBIN	6.814693	11.02551
FIBP	3.305023	3.244665
FICD	5.508927	7.380339
FIG4	4.397654	3.494415
FIGLA	5.596975	2.438789
FIGN	3.288662	2.987685
FIGNL1	1.147038	1.095606
FIGNL2	4.182054	3.555196
FILIP1	3.114651	1.637154
FILIP1L	1.978773	1.638949
FIP1L1	1.951262	1.46395
FIS1	1.018459	0.827834
FITM1	2.983053	3.54233
FITM2	2.788711	2.103036
FIZ1	2.764277	1.050938
FJX1	2.715135	1.617952

FKBP10	3.647429	2.806752
FKBP11	2.233157	1.619429
FKBP14	3.679871	8.715278
FKBP15	3.219237	2.307214
FKBP1A	2.172572	1.710322
FKBP1B	4.411675	2.429252
FKBP2	5.923764	5.4692
FKBP3	3.120387	1.272711
FKBP4	2.461247	2.086217
FKBP5	3.420855	2.468917
FKBP6	1.63687	1.809338
FKBP7	12.0662	18.38728
FKBP8	2.528582	1.640981
FKBP9	10.8349	9.016482
FKBPL	2.508437	2.651482
FKRP	4.597217	1.67948
FKTN	5.663109	3.909475
FLAD1	3.209654	3.183189
FLCN	3.335782	3.956032
FLI1	5.933037	4.877335
FLII	0.801813	0.524305
FLNA	6.144932	2.669949
FLNB	8.445481	7.729733
FLNC	16.00622	19.80271
FLOT1	0.188271	0.277933
FLOT2	3.769772	3.739963
FLRT1	3.250058	1.723213
FLRT2	3.681481	1.917166
FLRT3	1.113742	0.742886
FLT1	1.376247	0.299337
FLT3	1.104583	0.968857
FLT3LG	3.036717	3.664404
FLT4	2.079602	1.566166
FLVCR1	2.870637	0.567954
FLVCR2	8.114075	6.651899
FLYWCH1	0.690528	0.745368
FLYWCH2	7.417463	18.5981
FMC1	5.114446	6.855404
FMN1	1.851794	1.518597
FMNL1	4.820278	6.520009
FMNL2	9.272213	4.430684
FMNL3	2.414307	1.189219
FMO1	7.181733	9.368083
FMO2	6.158375	2.616516
FMO3	3.58675	3.076085
FMO4	5.361823	3.691061
FMO5	1.521848	3.049919
FMOD	2.706693	1.300772
FMR1	2.585669	2.603614
FMR1NB	10.15507	4.816285

FN1	13.00608	7.476462
FN3K	7.788479	8.537439
FN3KRP	8.852157	1.555734
FNBP1	1.337065	0.641929
FNBP1L	3.900957	4.437797
FNBP4	5.595225	5.813976
FNDC1	5.636158	4.456302
FNDC10	3.312944	4.127213
FNDC11	3.855473	2.757984
FNDC3A	4.959295	6.037595
FNDC3B	5.6857	2.310342
FNDC4	3.505511	3.108003
FNDC5	8.000959	3.93069
FNDC7	11.30802	12.98515
FNDC8	1.904286	1.290268
FNDC9	3.229741	1.143494
FNIP1	3.326199	4.328955
FNIP2	30.42036	16.14232
FNTA	11.16523	5.821321
FNTB	3.965253	4.276571
FOCAD	8.676211	10.3175
FOLH1B	5.0817	2.478555
FOLR1	4.282179	4.009954
FOLR2	3.344886	2.805453
FOLR3	3.27722	3.351546
FOPNL	3.709149	5.536834
FOS	5.79149	8.050406
FOSB	2.506584	2.501351
FOSL1	1.926402	0.366114
FOSL2	5.019022	2.710891
FOXA1	0.341063	0.201682
FOXA2	8.325714	4.112855
FOXA3	5.379483	4.902821
FOXB1	2.880782	2.835396
FOXB2	19.61786	12.18513
FOXC1	5.240384	5.907162
FOXC2	4.074159	2.326324
FOXD1	4.355282	2.295415
FOXD2	21.6423	16.28805
FOXD3	3.83771	3.280884
FOXE1	9.771672	10.25459
FOXE3	8.378202	3.710157
FOXF1	6.97555	7.478218
FOXF2	4.058829	2.100012
FOXG1	4.398851	2.744968
FOXH1	3.911878	3.605921
FOXI1	4.90363	2.608363
FOXI2	1.509545	2.22954
FOXI3	8.004138	11.40984
FOXJ1	7.6414	4.473151

FOXJ2	6.082904	3.487275
FOXJ3	19.02842	14.62301
FOXK1	4.004495	3.628276
FOXK2	22.75012	56.61988
FOXL1	3.33368	1.959066
FOXL2	0.411992	0.355373
FOXM1	5.444834	3.500744
FOXN1	2.039315	1.797404
FOXN2	6.376361	5.735627
FOXN3	4.014359	3.8149
FOXN4	8.016601	7.839601
FOXO1	0.475052	0.064737
FOXO3	5.936167	4.421743
FOXO4	7.166173	11.86077
FOXO6	4.32096	3.90261
FOXP1	1.976888	1.593445
FOXP2	2.184598	1.333401
FOXP3	4.371209	2.062005
FOXP4	4.870978	3.828416
FOXQ1	11.0908	7.32754
FOXR1	0.764245	0.301062
FOXR2	4.667125	3.771336
FOXRED1	5.862668	6.23497
FOXRED2	3.572922	3.657522
FOXS1	1.880502	1.015163
FPGS	10.95276	14.67796
FPGT	2.084873	2.429108
FRA10AC1	9.044995	6.888067
FRAS1	6.383946	5.216937
FRAT1	2.704372	1.583683
FRAT2	3.442008	2.225549
FREM1	0.760785	0.318193
FREM2	6.653168	5.626611
FREM3	13.04149	11.9024
FRG1	5.309117	3.288247
FRK	17.68246	5.932886
FRMD1	5.811136	4.781344
FRMD3	2.418944	2.158341
FRMD4A	3.333442	2.963066
FRMD4B	7.953626	4.112989
FRMD5	4.897826	6.163421
FRMD6	4.882208	3.503252
FRMD7	10.07245	9.02418
FRMD8	0.750499	0.458111
FRMPD1	2.382611	1.514291
FRMPD2	1.675759	0.888231
FRMPD3	3.360931	2.645773
FRMPD4	1.146881	1.717429
FRRS1	2.986401	3.247
FRRS1L	4.070868	3.444756

FRS2	3.945203	2.640926
FRS3	2.499411	1.789439
FRY	6.905152	4.734462
FRYL	5.650497	6.255126
FRZB	0.950375	1.243993
FSBP	1.866984	0.961716
FSCB	3.364698	4.959935
FSCN1	3.958471	1.971666
FSCN2	11.45158	4.492414
FSCN3	2.198329	1.349951
FSD1	5.746749	5.052217
FSD1L	2.683628	3.247436
FSD2	7.804984	6.321846
FSHB	6.381254	7.307763
FSHR	1.260459	0.464635
FSIP1	3.821729	4.662297
FSIP2	0.009371	0
FST	5.433545	1.659537
FSTL1	4.617775	1.778237
FSTL3	1.873511	1.27797
FSTL4	10.60136	14.11319
FSTL5	6.21915	7.400158
FTCD	3.757141	2.944125
FTCDNL1	7.068844	0.271483
FTH1	13.09098	6.577354
FTL	5.283309	3.929005
FTMT	1.863226	1.066571
FTO	4.314074	2.913816
FTSJ1	17.21954	9.468388
FTSJ3	6.742819	4.982325
FUBP1	0.149215	0.096532
FUBP3	2.612156	1.665507
FUCA1	6.605163	14.689
FUCA2	2.160907	1.356974
FUK	4.916034	3.934316
FUNDC1	2.877935	3.52114
FUNDC2	3.83968	2.870028
FUOM	1.824877	2.075619
FURIN	3.586966	1.501682
FUS	1.403202	1.207421
FUT1	3.423912	4.460935
FUT10	9.118093	2.881377
FUT11	4.579192	3.384788
FUT2	4.385886	3.636745
FUT4	1.986063	0.612125
FUT6	2.995356	1.835888
FUT7	9.695523	7.096138
FUT8	5.858978	2.27506
FUT9	3.342071	3.013739
FUZ	8.421641	5.047618

FXN	10.20062	9.402373
FXR1	3.376085	2.722932
FXR2	0.314176	0.385327
FXYD1	4.129518	1.794684
FXYD2	3.168542	0.891753
FXYD3	13.28101	6.802139
FXYD4	3.528138	1.442187
FXYD5	5.813879	2.886979
FXYD6	1.155306	0.658195
FXYD7	8.95445	4.286126
FYB1	5.966357	4.571837
FYB2	3.250584	2.032573
FYCO1	6.557625	3.614114
FYN	9.420922	2.985891
FYTTD1	1.065944	1.634186
FZD1	10.56252	5.440387
FZD10	4.575142	3.148731
FZD2	1.118101	0.977077
FZD3	3.129728	2.542133
FZD4	11.52259	6.594913
FZD5	4.140855	1.887137
FZD6	8.869303	8.712936
FZD7	2.523562	1.288824
FZD8	4.210734	4.680147
FZD9	4.72835	3.596035
FZR1	3.906349	3.15322
G0S2	4.185546	2.276419
G2E3	8.015579	10.59319
G3BP1	3.158956	2.013286
G3BP2	1.647704	0.826715
G6PC	6.165925	4.834384
G6PC2	12.98769	5.605377
G6PC3	3.840916	1.910997
G6PD	6.622904	6.093645
GAA	2.58002	2.002537
GAB1	2.812218	2.569533
GAB2	0.062538	0.075136
GAB3	2.061687	1.383894
GABARAP	3.846613	4.130044
GABARAPL1	0.31978	0.811886
GABARAPL2	4.019425	2.475665
GABBR1	0.785343	0.737535
GABBR2	4.915944	3.009919
GABPA	1.974802	1.532912
GABPB1	7.222743	2.884673
GABPB2	2.564477	2.682106
GABRA1	2.027198	2.144826
GABRA2	9.994516	4.723633
GABRA3	3.947448	5.694077
GABRA4	1.020447	0.116243

GABRA5	1.057645	0.629726
GABRA6	2.812101	2.422381
GABRB1	1.825192	1.186948
GABRB2	5.537807	2.108301
GABRB3	0.54064	0.210501
GABRD	5.758034	9.200615
GABRE	2.58941	1.562301
GABRG1	7.96358	5.518637
GABRG2	2.779841	2.318993
GABRG3	1.703546	1.171639
GABRP	2.558628	1.478177
GABRQ	1.808345	1.28479
GABRR1	1.116446	2.020414
GABRR2	2.662441	2.011296
GABRR3	7.891912	7.49395
GAD1	5.250065	0.946146
GAD2	4.379641	2.684267
GADD45A	0.670995	1.059447
GADD45B	2.413831	0.777006
GADD45G	3.651692	0.601036
GADD45GIP1	3.039015	3.304848
GADL1	10.94715	4.258081
GAK	3.940212	3.434121
GAL	2.136705	0.929915
GAL3ST1	6.328209	3.115385
GAL3ST2	3.708529	1.796408
GAL3ST3	3.156325	2.125536
GAL3ST4	23.59207	8.124064
GALC	0.920106	0.749045
GALE	1.505942	1.54293
GALK1	7.984219	11.08154
GALK2	6.116241	5.233305
GALM	1.951946	0.289494
GALNS	4.810801	6.917849
GALNT1	2.515239	3.349119
GALNT10	31.9181	23.63804
GALNT11	3.861143	2.472115
GALNT12	1.079441	1.059649
GALNT13	4.665783	6.942196
GALNT14	1.963623	2.408324
GALNT15	1.259794	0.662186
GALNT16	7.958818	11.86966
GALNT17	3.14473	4.071717
GALNT18	5.341912	9.678839
GALNT2	13.00703	7.340242
GALNT3	1.842727	1.192757
GALNT4	3.180063	2.540037
GALNT5	0.144761	0.030436
GALNT6	5.088477	4.954042
GALNT7	6.574031	3.55813

GALNT8	4.386577	2.96824
GALNT9	3.730866	1.779251
GALNTL5	2.43233	1.30946
GALNTL6	3.473427	1.457645
GALR1	0.365	0.241366
GALR2	5.345373	3.926208
GALR3	7.282551	7.0033
GALT	7.028658	4.240809
GAMT	2.439744	1.399884
GAN	1.367859	0.953482
GANAB	3.737449	0.617647
GANC	1.995025	0.757454
GAP43	3.600607	4.269981
GAPDH	1.938066	0.814965
GAPDHS	11.19252	13.65476
GAPT	2.663792	2.186087
GAPVD1	3.774302	2.639505
GAR1	1.112884	3.113525
GAREM1	9.125584	8.801853
GAREM2	25.8681	13.50696
GARNL3	13.45638	9.569386
GARS	2.620117	1.196419
GART	9.134891	12.34483
GAS1	6.081446	5.066526
GAS2	2.495738	1.848342
GAS2L1	1.620392	2.172995
GAS2L2	2.204467	1.669422
GAS2L3	11.17014	15.48728
GAS6	1.279148	0.470073
GAS7	5.298295	5.030143
GAS8	4.377185	2.177447
GAST	0.796535	0.669892
GAT	5.541846	5.905152
GATA1	3.775999	0.264093
GATA2	2.795725	1.014982
GATA3	5.845486	5.684573
GATA4	11.05752	9.379039
GATA5	5.101585	6.700846
GATA6	6.821106	3.595901
GATAD1	6.630747	3.652968
GATAD2A	1.377113	2.414746
GATAD2B	1.719496	5.63085
GATB	4.712997	3.08225
GATC	2.692148	2.191696
GATD1	3.179266	1.947689
GATD3A	4.298069	4.426431
GATM	6.995974	12.54527
GBA	0.144761	0.1116
GBA2	9.577265	4.500668
GBA3	1.296574	1.039315

GBE1	1.25067	1.023866
GBF1	1.409027	0.956941
GBGT1	1.820269	2.691409
GBP4	3.728778	2.131078
GBP5	6.198542	1.634857
GBP6_1	5.203882	5.061769
GBP6_2	1.228367	0.885101
GBX1	6.043055	3.755795
GBX2	8.684861	3.953636
GC	25.29634	19.26645
GCA	2.761283	5.139586
GCAT	13.65841	8.000253
GCC1	1.137678	1.369797
GCC2	2.791136	2.525763
GCDH	2.852232	2.6726
GCFC2	4.537969	3.770719
GCG	5.056065	4.023565
GCGR	0.462381	0.263873
GCH1	1.844175	0.811656
GCHFR	8.311362	6.110956
GCK	5.599749	2.556229
GCKR	8.13836	3.937489
GCLC	3.134214	1.932904
GCLM	1.259583	2.263733
GCM1	4.628287	3.078568
GCM2	1.802698	0.686899
GCN1	13.01074	9.994894
GCNA	2.847266	1.529084
GCNT1	2.855787	1.089621
GCNT2	2.42126	1.641731
GCNT3	8.337988	6.227404
GCNT4	0.696839	0.370395
GCNT7	1.98792	0.978683
GCSAM	6.764177	5.344361
GCSAML	1.337529	3.101787
GCSH	4.389354	2.191844
GDA	3.563052	1.771092
GDAP1	2.293381	1.851803
GDAP1L1	6.78178	3.920603
GDAP2	4.009052	2.528733
GDE1	3.179389	1.698685
GDF1	1.992648	1.296042
GDF10	4.151281	1.859876
GDF11	2.254065	0.706326
GDF15	4.055025	3.105656
GDF2	7.015454	3.418601
GDF3	3.534083	2.713785
GDF5	3.716887	3.553613
GDF6	9.665678	8.167531
GDF7	5.668032	5.794577

GDF9	12.30308	7.704713
GDI1	7.050083	3.817892
GDI2	3.743348	1.258629
GDNF	2.770215	1.868257
GDPD1	1.018202	0.109619
GDPD2	4.090835	2.122921
GDPD3	4.266822	2.204366
GDPD4_1	5.224055	4.17698
GDPD4_2	1.039239	0.546255
GDPD5	1.780383	1.609482
GDPGP1	2.032094	1.108898
GEM	5.61514	3.76548
GEMIN2	7.103588	8.411888
GEMIN4	3.56344	2.195991
GEMIN5	4.797928	5.77868
GEMIN6	1.778818	1.98282
GEMIN7	1.765256	1.24698
GEMIN8	3.483522	3.142037
GEN1	6.729815	3.731181
GET4	2.687258	2.219107
GFAP	3.070744	1.220293
GFER	6.155539	6.563469
GFI1	3.753406	2.980522
GFI1B	3.001845	0.141245
GFM1	0.618522	0.348903
GFM2	1.87436	2.223465
GFOD1	2.107082	4.085944
GFOD2	0.491395	0.137118
GFPT1	3.861066	2.567054
GFPT2	0.740173	0.161341
GFRA1	3.421276	3.818023
GFRA2	3.843256	1.883058
GFRA3	1.495987	0.817789
GFRA4	2.345801	1.752625
GFRAL	4.38385	4.040255
GFY	4.904673	2.374476
GGA1	4.476454	4.6113
GGA2	5.883223	6.133774
GGA3	6.16201	5.162801
GGACT	10.08475	5.45904
GGCT	1.678486	1.520078
GGCX	8.88711	4.352797
GGH	0.540419	0.595834
GGN	1.743144	0.971581
GGNBP2	1.657444	1.128708
GGPS1	4.841979	2.912452
GGT1	11.96463	11.76948
GGT5	6.896454	5.743301
GGT6	2.470449	1.30893
GGT7	0.883873	0.4043

GGTA1	1.980262	1.654604
GH1	7.979496	3.474035
GHDC	2.328846	1.755275
GHITM	3.847122	1.504934
GHR	3.064103	1.13556
GHRH	5.600199	3.726901
GHRHR	2.337233	1.856841
GHRL	2.551434	2.471286
GHSR	2.42864	1.526888
GID4	1.374525	0.905698
GID8	1.888966	4.518946
GIF	5.560207	3.578384
GIGYF1	3.228752	1.53659
GIGYF2	4.266977	1.63761
GIMAP4	5.09922	3.642098
GIMAP5	8.527965	4.986731
GIMAP6	4.086199	2.307106
GIMAP7_1	0.931251	0.838013
GIMAP7_2	0.46916	0.666645
GIMAP7_3	2.645236	2.988233
GIMAP7_4	1.138833	1.038244
GIMAP8	1.959699	13.41819
GIMD1	0.922768	1.060469
GIN1	5.833603	5.922149
GINM1	8.964637	5.583121
GINS1	8.530512	4.989927
GINS2	2.752178	2.317541
GINS3	3.754145	2.855737
GINS4	4.814006	4.310307
GIP	0.756481	0.728987
GIPC1	2.54836	1.813861
GIPC2	2.561229	2.216289
GIPC3	4.494767	2.931206
GIPR	3.482784	3.535266
GIT1	7.618848	4.078461
GIT2	1.633513	2.740537
GJA1	17.29394	9.783921
GJA10	1.799977	0.81772
GJA3	4.437643	2.354658
GJA4	1.519585	0.912845
GJA5	3.590052	4.515489
GJA8	1.850405	1.174672
GJA9	5.030394	1.448083
GJB1	4.068539	5.958931
GJB2	7.061019	4.428758
GJB3	0.880353	0.522624
GJB4	5.931138	4.180544
GJB5	4.761319	4.550349
GJB6	6.067713	2.42135
GJB7	2.255025	2.082455

GJC1	5.272104	1.510994
GJC2	38.4612	17.26568
GJC3	3.40434	2.226771
GJD2	9.014757	7.63228
GJD3	2.613821	1.788069
GJD4	2.544166	2.299047
GJE1	13.83275	11.28034
GK	0.442638	0.177919
GK2	0.728091	0.237929
GK5	0.582895	0.783547
GKAP1	6.041932	5.293736
GKN1	3.737285	4.163948
GKN2	2.788945	2.983774
GLA	9.582149	6.914237
GLB1	7.466247	3.64284
GLB1L	5.04708	5.68268
GLB1L3	6.207349	6.257082
GLCCI1	0.644984	0.372489
GLCE	3.213747	2.648154
GLDC	3.190421	5.130345
GLDN	8.250905	8.261673
GLE1	1.50458	0.948536
GLG1	1.720549	3.13083
GLI1	4.759415	5.661359
GLI2	11.70496	8.296071
GLI3	2.31466	4.322824
GLI4	1.050752	0.814831
GLIPR1	4.905318	3.53544
GLIPR1L1	8.815512	11.18772
GLIPR1L2	2.970796	1.79103
GLIPR2	10.40684	3.418101
GLIS1	5.621961	3.441508
GLIS2	4.293785	2.300484
GLIS3	3.465031	5.162166
GLMN	7.674951	3.24267
GLMP	0.561717	0.511776
GLO1	3.985584	1.995015
GLOD4	1.4312	0.956925
GLOD5	5.685652	5.190768
GLP1R	3.749439	1.81031
GLP2R	36.26225	35.71978
GLRA1	0.529873	0.699926
GLRA2	1.033503	0.852304
GLRA3	2.282114	1.484275
GLRA4	1.943478	2.481644
GLRB	1.335714	1.217951
GLRX	3.311086	1.493653
GLRX2	0.982295	0.496465
GLRX3	7.116347	9.987304
GLRX5	3.935917	5.19163

GLS	4.660999	1.706784
GLS2	5.00619	4.93249
GLT1D1	7.22296	2.948045
GLT6D1	5.49809	2.399424
GLT8D1	26.19099	12.09637
GLT8D2	0.989778	0.338772
GLTP	3.819527	2.395817
GLTPD2	4.574255	4.591957
GLUD1	2.801986	1.29499
GLUL	3.256354	2.523567
GLULP	1.398458	0.656031
GLYAT	4.799289	2.733754
GLYATL2	6.872534	4.92536
GLYATL3	1.481883	0.894237
GLYCAM1	1.992729	1.175094
GLYCTK	3.982327	0.455562
GLYR1	1.500176	0.699762
GM2A	9.801828	10.11587
GMCL1	6.413122	2.780023
GMDS	4.165613	2.069843
GMEB1	0.630872	0.272086
GMEB2	4.290986	3.577549
GMFB	2.660146	0.605819
GMFG	3.526903	2.999606
GMIP	5.474784	3.096826
GML	2.781962	2.230185
GMNC	8.113277	4.102737
GMNN	2.351183	1.689839
GMPPA	0.578651	0.201095
GMPPB	1.563002	2.288633
GMPR	3.038754	1.39786
GMPR2	2.487515	1.094519
GMPS	1.312018	0.254374
GNA11	1.885282	0.983797
GNA12	0.996831	0.581273
GNA13	2.548919	3.029492
GNA14	1.541393	3.522866
GNA15	11.83191	11.69938
GNAI1	1.389346	1.415079
GNAI2	2.582793	2.845397
GNAI3	0.915434	0.430286
GNAL	1.866324	1.098264
GNAO1	0.970348	0.574271
GNAQ	4.378421	4.349316
GNAS	2.726488	9.977338
GNAT1	4.95189	4.674547
GNAT2	3.199397	2.614875
GNAT3	4.245593	2.205227
GNAZ	3.96382	1.908221
GNB1	0.585934	0.482976

GNB1L	5.175498	4.368734
GNB2	2.235335	2.644273
GNB3	10.57919	7.896424
GNB4	4.005645	3.728967
GNB5	5.950302	8.203717
GNE	3.744505	4.912931
GNG10	5.716313	3.214252
GNG11	6.540347	7.180627
GNG12	5.52968	4.247955
GNG13	2.373961	2.361655
GNG2	3.839335	1.79681
GNG3	0.193607	0.203532
GNG4	3.904633	2.692651
GNG5	17.39098	5.905793
GNG7	0.606864	1.330626
GNG8	2.867558	3.039749
GNGT1	2.762145	2.965777
GNGT2	0.692449	0.214433
GNL1	11.82352	9.587829
GNL2	0.586337	0.321894
GNL3	5.897714	14.22713
GNL3L	2.715558	3.136259
GNMT	3.881975	2.458593
GNPAT	1.101354	0.592785
GNPDA1	2.472582	1.890029
GNPDA2	1.730674	0.535709
GNPNAT1	5.066564	5.118468
GNPTAB	1.722891	1.321077
GNPTG	3.330689	1.705511
GNRH1	10.47149	6.061161
GNRH2	16.60071	5.536579
GNRHR	4.848052	3.488906
GNS	9.057649	8.246933
GOLGA1	1.578051	2.369916
GOLGA2	2.208851	1.99361
GOLGA3	2.087075	1.676048
GOLGA4	1.403732	1.044236
GOLGA5	4.831857	3.336922
GOLGA7	16.84063	8.210385
GOLGA7B	2.602828	2.075506
GOLGB1	0.328836	0.312544
GOLIM4	3.553489	3.225681
GOLM1	1.675464	1.166252
GOLPH3	1.853965	2.250372
GOLPH3L	3.704083	3.451995
GOLT1A	2.609823	1.34471
GOLT1B	5.675153	4.678126
GON4L	8.15821	34.57186
GON7	2.423034	1.603224
GOPC	2.870866	2.077901

GORAB	0.116082	0.096342
GORASP1	3.583826	2.346852
GORASP2	1.777612	1.417925
GOSR1	1.532534	1.372273
GOSR2	4.161338	4.540711
GOT1	5.061142	1.405697
GOT1L1	5.674533	5.448437
GOT2	4.646584	5.844656
GP1BA	3.985189	5.818546
GP1BB	5.234245	3.480174
GP2	2.314722	4.272973
GP5	0.727489	0.19395
GP6	3.97907	2.96398
GP9	2.717188	1.044604
GPA33	3.988593	2.484848
GPAA1	2.863841	2.169466
GPALPP1	2.825833	1.365717
GPAM	1.351204	2.561144
GPANK1	1.879596	2.081421
GPAT2	7.783309	4.108045
GPAT3	2.086438	1.851965
GPAT4	7.140603	6.087297
GPATCH1	2.132983	1.542012
GPATCH11	6.508622	4.033643
GPATCH2	5.012156	3.142001
GPATCH2L	3.133047	2.190863
GPATCH3	1.426087	1.772203
GPATCH4	5.517262	6.185429
GPATCH8	3.761446	3.444985
GPBAR1	0.141905	0.058606
GPBP1	2.478508	3.709085
GPBP1L1	5.734548	3.96188
GPC1	5.318221	2.967411
GPC2	8.980085	6.250506
GPC3	2.288793	1.951616
GPC4	2.515632	2.233948
GPC5	1.871766	1.965779
GPC6	4.078901	4.157292
GPCPD1	1.565597	0.776178
GPD1	10.94446	14.00874
GPD1L	1.784119	5.43968
GPD2	3.14235	3.415234
GPER1	4.056507	1.949996
GPHA2	5.421293	5.505411
GPHB5	4.053412	5.667084
GPHN	4.05626	4.568768
GPI	2.40825	1.947459
GPIHBP1	0.170071	0.147695
GPKOW	1.308087	0.556764
GPLD1	10.10469	7.78138

GPM6A	4.172	3.378721
GPM6B	4.081787	1.969485
GPN1	4.572534	0.965782
GPN2	3.269793	3.411612
GPN3	4.016128	2.146006
GPNMB	5.452606	2.182334
GPR1	3.155933	2.907212
GPR107	5.946943	6.596588
GPR108	2.967176	2.699371
GPR119	3.081741	2.683425
GPR12	0.761271	0.632131
GPR132	3.462587	3.13337
GPR135	2.115737	2.388077
GPR137	2.583612	3.613204
GPR137B	18.34814	10.37127
GPR137C	4.326088	36.01529
GPR139	1.005741	0.458911
GPR141	2.857465	2.291684
GPR142	4.744811	4.765932
GPR143	4.396544	4.484754
GPR146	2.816932	1.614596
GPR149	3.234921	2.447263
GPR15	6.370311	1.803997
GPR150	1.113729	0.454959
GPR151	4.730144	1.166047
GPR152	14.84037	10.70866
GPR153	4.217635	2.797557
GPR155	1.590358	1.284281
GPR156	0.685831	0.989829
GPR157	2.131421	2.51251
GPR158	3.339744	2.783101
GPR160	7.984209	5.487051
GPR161	8.025724	6.638309
GPR162	1.687206	1.446281
GPR17	1.687635	1.68104
GPR171	5.31974	4.702866
GPR173	4.639312	6.854692
GPR174	1.972271	1.857156
GPR176	3.952052	4.90517
GPR179	0.979315	0.997837
GPR18	3.683133	2.253063
GPR180	3.761119	1.03305
GPR182	2.24277	1.177254
GPR183	7.931534	7.259213
GPR19	1.532913	1.168827
GPR20	3.138258	2.06147
GPR21	3.623763	1.762376
GPR22	2.528296	2.293491
GPR25	2.711652	0.200844
GPR26	5.98061	6.497335

GPR27	6.78157	8.744055
GPR3	3.760843	1.909888
GPR31	2.09227	1.050782
GPR32	6.161614	5.07846
GPR33	0.585834	0.190001
GPR34	0.761363	0.729768
GPR35	1.692388	1.580418
GPR37	4.19779	4.660377
GPR37L1	2.99224	2.581579
GPR39	0.396214	0.208262
GPR4	3.618814	3.997559
GPR45	2.924029	1.583166
GPR50	2.285463	1.214133
GPR52	1.108852	0.736226
GPR55	2.999953	2.415623
GPR6	13.02784	8.362637
GPR61	1.187526	0.839471
GPR62	2.612509	0.965271
GPR63	0.80382	0.70535
GPR65	5.941435	5.669393
GPR68	1.398806	0.289074
GPR75	6.406034	5.482193
GPR82	2.41594	2.12837
GPR83	12.73801	11.05892
GPR84	4.188169	3.594487
GPR85	4.312111	2.827037
GPR87	2.048386	1.198632
GPR88	5.554654	4.480511
GPR89A	4.617568	4.168042
GPRASP1	8.983099	12.42521
GPRC5A	2.755532	4.624217
GPRC5B	14.16163	8.135892
GPRC5C	2.809886	1.05726
GPRC5D	1.136915	0.740299
GPRC6A	16.93043	4.129195
GPRIN1	3.852447	2.772406
GPRIN2	0.427528	0.334692
GPRIN3	2.575924	1.887447
GPS1	2.204504	1.493504
GPS2	0.428009	1.137727
GPSM1	16.65042	10.10575
GPSM2	0.932923	0.831241
GPT	2.200235	1.789753
GPT2	3.968353	0.467532
GPX1	4.994238	4.260646
GPX2	1.910435	1.205842
GPX3	2.169541	1.090577
GPX4	3.618615	2.171798
GPX5	4.21843	3.806124
GPX6	1.839601	1.234493

GPX7	11.04345	11.28503
GPX8	5.406798	3.210979
GRAMD1A	0.018129	0
GRAMD1B	4.030317	2.194425
GRAMD1C	5.104974	1.944583
GRAMD2A	4.449422	5.704841
GRAMD2B	1.971622	2.516601
GRAMD4	2.790921	3.269936
GRAP	1.973477	0.78086
GRAP2	2.032168	2.332683
GRASP	0.176078	0.135743
GRB10	0.389754	0.377386
GRB14	2.266352	0.825473
GRB2	2.950585	3.373499
GRB7	1.588805	1.399452
GREB1	6.877112	6.94288
GREB1L	6.440293	3.65561
GREM1	3.94447	5.731973
GRHL1	1.811898	1.210093
GRHL2	0.358358	0.336001
GRHL3	10.32183	12.64984
GRHPR	2.736134	1.529705
GRIA1	0.575705	0.212018
GRIA2	1.700801	1.424737
GRIA3	2.007108	0.746217
GRIA4	3.38842	2.102183
GRID1	14.65889	6.55691
GRID2	5.55228	27.68841
GRID2IP	2.979962	4.47719
GRIFIN	2.932805	2.638898
GRIK1	8.720163	2.055244
GRIK2	2.580049	2.537153
GRIK3	2.345228	2.573763
GRIK4	0.485481	0.402921
GRIK5	1.686409	0.626767
GRIN1	6.617497	6.387431
GRIN2A_1	4.236897	3.345005
GRIN2A_2	4.828634	2.192721
GRIN2B	0.953998	0.523737
GRIN2C	1.552548	1.460328
GRIN2D	1.189423	0.948284
GRIN3A	2.981729	2.919021
GRIN3B	4.182823	7.55873
GRINA	2.873235	1.327397
GRIP1	1.905217	2.203635
GRIP2	1.808071	2.018364
GRIPAP1	49.26344	27.35882
GRK1	19.37278	19.70867
GRK2	1.407256	0.278653
GRK3	3.93694	2.701063

GRK4	0.536248	0.66728
GRK5	13.05328	5.984626
GRK6	0.964059	0.352708
GRK7	3.498501	3.807766
GRM1	4.353068	5.641955
GRM2	8.25562	7.092828
GRM3	7.533331	2.329007
GRM4	1.148554	3.080299
GRM5	7.919084	1.719804
GRM6	1.595757	0.623312
GRM7	1.15818	1.729177
GRM8	3.520743	5.922592
GRN	10.69779	3.661699
GRO1	4.975775	3.849383
GRP	4.142339	0.505887
GRPEL1	1.355789	7.454316
GRPEL2	3.124045	2.081086
GRPR	4.13439	6.587658
GRSF1	6.901559	7.837303
GRTP1	5.620877	4.246069
GRWD1	3.609802	1.350033
GRXCR1	2.245004	1.903612
GRXCR2	1.763854	1.763533
GSAP	3.639332	2.688428
GSC	5.969762	2.913939
GSC2	6.372749	6.303076
GSDMA	2.495694	4.018683
GSDMB	1.559282	2.404466
GSDMC	2.636423	1.283229
GSDMD	2.944089	0.336585
GSDME	1.594878	0.7159
GSE1	1.150718	0.482567
GSG1	8.903497	6.321912
GSG1L	2.992056	1.89191
GSG1L2	2.983004	2.117961
GSK3A	2.187612	2.123674
GSK3B	2.946322	2.162324
GSKIP	7.662319	4.519737
GSN	2.375107	2.800831
GSPT1	5.613029	4.10683
GSPT2	2.911453	1.468739
GSR	3.319208	3.169751
GSS	10.43139	5.63124
GSTA1	1.172391	0.695512
GSTA2	4.507831	2.378841
GSTA3	19.60832	6.444663
GSTA4	3.993456	5.974572
GSTA5	2.023101	2.167464
GSTCD	3.811378	4.712483
GSTK1	19.81494	20.08731

GSTM1_1	1.353881	1.047951
GSTM1_2	3.779827	1.393128
GSTM2	2.64633	2.314278
GSTM3	8.177547	5.101741
GSTO1	3.572225	3.761247
GSTO2	1.611382	1.848859
GSTP1_1	2.449138	2.357371
GSTP1_2	2.197414	1.825587
GSTT1	5.560295	2.525972
GSTT2	1.692913	0.953406
GSTT4	3.851159	1.659602
GSTZ1	14.95604	16.4657
GSX1	0.689624	0.515623
GSX2	8.517162	6.477077
GTDC1	0.947319	0.911482
GTF2A1	1.175494	0.825461
GTF2A1L	0.099593	0.09518
GTF2A2	2.235772	1.563834
GTF2B	2.758324	1.6915
GTF2E1	12.70136	5.197363
GTF2E2	2.170964	2.525265
GTF2F1	2.75762	2.240548
GTF2F2	1.845205	1.655137
GTF2H1	2.862732	2.45137
GTF2H2	7.396184	4.755819
GTF2H3	7.781285	1.21381
GTF2H4	6.920389	11.11528
GTF2H5	2.393315	1.95094
GTF2I	5.688849	5.150321
GTF2IRD1	0.591503	0.317278
GTF2IRD2	5.078108	1.102026
GTF3A	3.556017	2.508119
GTF3C1	11.57502	13.31583
GTF3C2	1.440052	0.200467
GTF3C3	7.737909	4.764418
GTF3C4	1.94289	0.761052
GTF3C5	6.247657	3.813626
GTF3C6	6.170401	4.027667
GTPBP1	1.275576	0.996758
GTPBP10	6.52884	3.875964
GTPBP2	2.760824	3.924843
GTPBP3	5.591591	6.680956
GTPBP4	3.83326	2.763326
GTPBP6	3.366188	2.343137
GTPBP8	1.042355	0.967499
GTSE1	5.779727	4.091163
GTSF1	3.044827	2.5983
GTSF1L	2.25875	4.949404
GUCA1A	8.085646	7.917726
GUCA1B	1.2848	0.789209

GUCA2A	3.128425	2.874776
GUCA2B	1.01134	0.457661
GUCD1	10.01262	6.628495
GUCY1A1	1.880713	1.893431
GUCY1A2	1.613669	1.953881
GUCY1B1	1.424155	0.638873
GUCY2C	1.570505	0.921493
GUCY2D	1.976936	1.799568
GUCY2E	2.458897	2.135337
GUCY2F	2.426796	11.17698
GUF1	2.191874	2.608109
GUK1	8.264621	4.817511
GULO	9.473644	16.81836
GULP1	1.96829	1.221116
GUSB	5.589502	2.688349
GVQW3	2.411846	0.578619
GXYLT1	3.850502	3.613449
GXYLT2	12.8055	10.87922
GYG1	2.034352	2.899505
GYG2	0.177433	0.120262
GYPA	5.861507	4.004159
GYPB	4.884346	2.653274
GYPC	0.186602	0.059306
GYS1	1.35571	6.888116
GYS2	0.425285	0.661115
GZF1	7.580815	5.902986
GZMA	14.97599	0.085676
gzmA	1.952625	1.232198
GZMB	3.265125	2.130514
GZMK	4.860555	1.101029
GZMM	3.897449	2.388053
H19	4.77016	3.025665
H1F0	8.338129	6.974053
H1FNT	7.180906	9.384976
H1FOO	2.633557	1.041165
H1FX	2.131429	0.548018
H2AFJ	3.735564	3.076564
H2AFV	5.425829	3.869309
H2AFX	4.101015	3.36029
H2AFY	2.41106	1.258568
H2AFY2	3.93257	3.338924
H2AFZ	3.946101	1.845795
H2B_1	1.822451	1.762298
H2B_2	1.692659	1.465697
H2B_3	2.949398	2.369164
H3F3A	1.839849	1.621092
H3F3B	3.992559	1.903571
H3F3C_1	3.282028	3.215457
H3F3C_2	0.818474	0.447363
H4	10.28702	22.77782

HAAO	2.15658	0.752925
HABP2	2.903425	3.166503
HABP4	7.311322	2.270143
HACD1	0.340866	0.13202
HACD2	0.772316	0.838254
HACD3	30.06716	36.62047
HACD4	1.281509	1.009841
HACE1	5.377975	4.396337
HACL1	7.948176	5.890333
HADH	0.441091	0.341453
HADHA	6.030878	5.033382
HADHB	3.060778	6.652865
HAGH	0.802502	0.469273
HAGHL	1.599832	0.445193
HAL	2.537973	1.27514
HAMP	5.572793	4.419971
HAND1	2.590483	1.740315
HAND2	3.385335	1.928906
HAO1	3.422644	4.203264
HAO2	3.160655	2.532428
HAP1	1.094531	0.710539
HAPLN1	3.476668	1.932903
HAPLN2	6.266866	3.234961
HAPLN3	2.471445	1.803586
HAPLN4	3.352206	4.704771
HAPP	5.486984	11.48832
HARBI1	2.79369	2.162439
HARS	1.764595	3.022481
HARS2	3.395791	2.864805
HAS1	3.92973	4.176344
HAS2	3.033137	4.431782
HAS3	3.380008	3.750214
HASPIN	1.971495	0.295332
HAT1	2.985968	2.004747
HAUS1	4.493139	2.325895
HAUS2	2.295095	2.208586
HAUS3	1.787437	0.687557
HAUS4	2.834236	1.484859
HAUS5	5.0191	2.645114
HAUS6	5.296837	5.205695
HAUS7	2.852132	1.285743
HAUS8	7.627962	6.645021
HAVCR1	7.88578	9.280955
HAVCR2	3.400835	1.457833
HAX1	2.512918	3.369008
HBA	4.61516	5.563718
HBA1	9.350052	6.148984
HBB	1.54262	1.861101
HBE1	0.081625	0.106
HBE2	3.561669	6.280765

HBE4	9.94078	1.597062
HBEGF	2.532301	1.272409
HBG	0.930744	0.376329
HBM	2.067856	1.306481
HBP1	1.473415	2.109272
HBQ1	3.450166	2.181637
HBS1L	0.224904	0.056919
HBZ	1.147414	0.789996
HCAR1	6.700478	3.250484
HCFC1	0.91594	0.297447
HCFC1R1	6.471284	5.849862
HCFC2	0.577965	0.121518
HCK	1.855252	1.41874
HCLS1	5.752655	4.44044
HCN1	2.113746	1.640251
HCN2	1.480193	2.027388
HCN3	3.233804	0.016334
HCN4	2.142107	2.816026
HCRT	2.099923	1.961597
HCRTR1	4.240486	2.484404
HCRTR2	3.777395	2.450382
HCST	2.00609	2.411928
HDAC1	1.816627	0.731903
HDAC10	3.358991	2.974433
HDAC11	3.136425	3.072087
HDAC2	6.833353	3.209014
HDAC3	4.189341	2.472719
HDAC4	1.982568	3.600613
HDAC5	9.187407	10.09036
HDAC6	1.870305	1.201767
HDAC7	3.05179	2.29088
HDAC8	26.76297	25.51368
HDAC9	1.907558	2.232986
HDC	4.258026	1.889001
HDDC2	0.866114	1.12401
HDDC3	24.35076	23.42078
HDGF	3.121399	1.964183
HDGFL1	1.162388	0.818129
HDGFL2	0.842998	1.048296
HDGFL3	5.483462	3.173262
HDHD2	2.335289	1.735056
HDHD3	2.611506	0.994317
HDHD5	2.691619	0.949952
HDLBP	3.08563	1.071782
HDX	5.5035	4.034183
HEATR1	5.824345	6.846918
HEATR3	4.17583	3.68044
HEATR4	2.96004	1.163088
HEATR5A	4.389373	3.353326
HEATR5B	9.492064	7.252965

HEATR6	4.099846	2.252581
HEATR9	3.39133	2.636135
HEBP1	1.055129	9.352332
HEBP2	5.063412	2.345712
HECA	4.742046	2.650241
HECTD1	3.941692	4.316353
HECTD2	1.927916	1.625713
HECTD3	0.337356	0.078811
HECTD4	0.838284	0.487457
HECW1	3.474341	2.484537
HECW2	1.791029	1.418241
HEG1	1.289601	0.510517
HELB	7.832427	1.931664
HELLS	2.528108	1.931738
HELQ	13.30961	2.59953
HELT	2.291782	2.295153
HELZ	3.541171	1.849315
HEMGN	0.850236	1.297692
HEMK1	3.238052	1.485562
HENMT1	1.599678	0.353624
HEPACAM	6.468372	3.271515
HEPACAM2	5.078344	4.536715
HEPH	3.075546	6.110336
HEPHL1	2.770099	2.349055
HERC1	3.832263	4.173159
HERC2	2.572995	1.678478
HERC3	5.095628	3.055466
HERC4	1.549705	1.427368
HERC5	8.824242	14.3774
HERC6	3.764512	1.968488
HERPUD1	0.593894	0.937857
HERPUD2	43.36472	30.32389
HES1	2.125861	0.825634
HES2	7.477595	2.40062
HES3	7.011816	1.821458
HES4	0.102725	0.11519
HES5	5.537225	1.382359
HES6	1.062671	1.094345
HES7	1.938406	0.067243
HESX1	2.631699	4.483276
HEXA	1.206889	1.327243
HEXB	7.395681	6.079477
HEXDC	2.897956	1.18005
HEXIM1	1.951963	1.654121
HEXIM2	8.583238	5.833563
HEY1	2.75671	2.95423
HEY2	6.387363	8.402717
HEYL	1.916363	0.810218
HFE	1.745817	1.415156
HFM1	11.34771	9.68542

HGD	2.123138	1.016046
HGF	2.389238	21.36672
HGFAC	2.897888	1.764058
HGH1	6.773713	4.767135
HGS	2.781622	2.315925
HGSNAT	0.179611	0.132172
HHAT	0.512796	3.777989
HHATL	0.476296	0.50071
HHEX	1.112602	0.849256
HHIP	24.66682	9.363924
HHIPL1	5.017346	3.653528
HHIPL2	2.114097	0.157622
HHLA1	1.923838	2.034024
HHLA2	2.255764	5.020291
HIBADH	12.28273	12.31084
HIBCH	1.201543	1.265315
HIC1	2.721274	0.729215
HIC2	5.430106	6.399805
HID1	5.349973	1.823938
HIF1A	5.071415	4.345854
HIF1AN	11.83947	6.621836
HIF3A	0.705856	0.758528
HIGD1A	6.78753	5.569138
HIGD1B	2.404738	1.614558
HIGD1C	1.184374	0.367719
HIGD2A	10.58188	9.471585
HIKESHI	3.310074	1.211853
HILPDA	8.45628	7.578177
HILS1	2.815415	2.189304
HINFP	4.501482	4.658882
HINT1	3.858475	6.315542
HINT2	2.357764	2.325399
HINT3	4.224145	1.394662
HIP1	1.444517	0.447476
HIP1R	3.330859	3.019585
HIPK1	8.520081	7.065596
HIPK2	5.620734	5.370825
HIPK3	2.831516	2.72421
HIPK4	2.090059	13.90091
HIRIP3	2.327418	1.601555
HIST1H1A	2.442523	2.189857
HIST1H1B	6.960347	8.389325
HIST1H1C	4.719822	5.773043
HIST1H1D	3.174503	2.62618
HIST1H1E_1	7.57728	3.703966
HIST1H1E_2	9.389268	12.20111
HIST1H2AA	1.370646	2.104913
HIST1H2AC_1	8.10915	6.06163
HIST1H2AC_2	3.147911	2.320483
HIST1H2AG	6.5178	4.410747

HIST1H2AH	3.226593	1.870664
HIST1H2AJ	12.39277	8.610399
HIST1H2AK	10.8422	8.30358
HIST1H2AM	4.22822	2.499702
HIST1H2BA_1	12.69476	6.865811
HIST1H2BA_2	1.398439	1.073919
HIST1H2BB_1	0.433434	0.144414
HIST1H2BB_2	14.71237	10.93046
HIST1H2BD	2.278353	0.04277
HIST1H2BI	7.159742	5.20387
HIST1H2BJ	4.207541	2.729919
HIST1H2BL	8.437666	12.04429
HIST1H2BM	4.936637	6.123333
HIST1H2BN	1.61327	1.360637
HIST1H3C	1.506703	0.99781
HIST1H3G	3.092995	2.874426
HIST1H3I	6.415708	4.202811
HIST1H4D	2.84378	2.28401
HIST2H2AA4	2.014184	0.769975
HIST2H2AB	0.375767	0.096656
HIST2H2AC	5.120153	7.537907
HIST2H2BE	2.909695	1.740245
HIST2H2BF	3.590363	3.810327
HIST2H3D	14.29461	11.89597
HIST3H2A	1.203059	0.880752
HIST3H2BB	32.77423	38.76328
HIVEP1	1.768774	1.378384
HIVEP2	0.997698	0.977402
HIVEP3	2.769356	1.005408
HJURP	0.143541	0.142516
HJV	2.24904	1.81149
HK1	2.810867	3.23947
HK2	2.092088	1.335769
HK3	5.424041	2.915776
HKDC1	3.847627	1.435863
HLCS	2.848002	2.89334
HLF	1.807449	1.137754
HLTF	0.35936	0.17315
HLX	1.795709	1.720139
HM13	4.171501	3.383002
HMBOX1	17.36454	5.737023
HMBS	3.680378	3.235673
HMCES	2.156894	2.06267
HMCN1	52.07069	17.57178
HMCN2	2.178171	0.108054
HMG20A	1.197684	0.947692
HMG20B	28.40948	10.51924
HMGA1	4.477376	4.799259
HMGA2	2.844553	1.533227
HMGB1	0.630514	0.202908

HMGB1P1	1.206624	1.058011
HMGB2	2.114799	1.108497
HMGB3	1.835109	1.437172
HMGB4	7.806006	7.84371
HMGCL	19.52332	3.514167
HMGCLL1	4.111367	0.522429
HMGCR	1.668173	2.253161
HMGCS1	5.912596	8.438347
HMGCS2	5.145598	1.588186
HMGN1	1.933607	1.319579
HMGN2	9.537577	3.072673
HMGN3	1.199994	0.985934
HMGN4	2.943288	1.474561
HMGN5	2.333702	1.402459
HMGXB3	1.468468	0.798236
HMGXB4	1.382203	0.671487
HMMR	3.074712	3.837718
HMOX1	0.278606	0.112274
HMOX2	0.822529	0.557246
HMX1	3.624431	3.600927
HMX2	3.582892	0.62382
HMX3	1.014372	0.819671
HNF1A	3.171462	2.608688
HNF1B	4.76604	3.279145
HNF4A	0.583806	0.7969
HNF4G	2.65824	2.896172
HNMT	7.565886	10.04841
HNRNPA0	2.348679	2.227431
HNRNPA1	2.302905	2.020362
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HNRNPC	1.000838	1.606495
HNRNPD	2.097245	1.87208
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HNRNPF	4.425794	11.76285
HNRNPH1	1.591996	1.296664
HNRNPH2	2.185857	2.494685
HNRNPH3	4.649368	3.043145
HNRNPK	0.854485	0.503402
HNRNPL	2.854736	1.566754
HNRNPLL	1.565791	1.688369
HNRNPM	5.427344	4.024761
HNRNPR	1.502579	1.262487
HNRNPU	0.596861	0.339872
HNRNPUL1	3.214303	4.802673
HNRNPUL2	4.72274	2.043647
HOGA1	1.584102	2.063374
HOMER1	3.07297	1.849396
HOMER2	2.737455	4.576472

HOMER3	2.709557	2.118681
HOMEZ	1.983408	1.56492
HOOK1	2.588829	2.469794
HOOK2	1.594306	1.284468
HOOK3	1.053573	1.067804
HOPX	2.345645	1.384561
HORMAD1	2.555219	2.315192
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HOXA1	7.310899	8.698377
HOXA10	7.944016	5.775756
HOXA11	1.858731	1.970749
HOXA13	6.364848	2.483573
HOXA2	2.233258	1.199091
HOXA3	2.701115	2.296875
HOXA4	0.672056	24.8465
HOXA5	4.558401	36.5132
HOXA6	8.818586	11.3425
HOXA7	3.588482	2.684141
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HOXB1	18.47309	10.68871
HOXB13	2.443944	1.663675
HOXB2	3.766292	3.693204
HOXB3	2.015298	1.961894
HOXB4	3.710915	2.647016
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HOXB7	3.010536	3.827498
HOXB8	3.804957	1.60128
HOXB9	5.162706	4.678447
HOXC10	0.435373	0.451421
HOXC11	2.331768	1.062606
HOXC12	2.832489	4.15117
HOXC13	2.597172	0.827021
HOXC4	4.37284	3.824027
HOXC5	1.573592	1.395062
HOXC6	1.584633	1.138313
HOXC8	1.572503	1.140107
HOXC9	4.624288	3.778115
HOXD1	0.300491	0.235412
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HOXD11	4.152303	3.023944
HOXD12	0.341293	0.285565
HOXD13	0.553467	0.514703
HOXD3	5.232189	4.936929
HOXD4	3.324401	3.253544
HOXD8	9.911841	0.922687
HOXD9	4.056631	8.002829
HP	1.268838	4.663007
HP1BP3	3.561154	2.188831
HPCA	0.814408	0.328388

HPCAL1	2.015706	1.365256
HPCAL4	3.227822	2.027578
HPD	3.052081	2.447781
HPDL	5.522079	6.402557
HPF1	2.719258	2.12769
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HPGDS	3.604309	4.040772
HPN	4.291296	3.045678
HPRT1	3.120725	5.658076
HPS1	1.968698	2.810823
HPS3	6.245865	5.395141
HPS4	12.39621	8.895231
HPS5	9.099292	9.569134
HPS6	8.402514	8.417283
HPSE	2.152967	1.451636
HPSE2	2.047884	2.770733
HPX	1.294565	0.441567
HR	2.473957	2.654386
HRAS	1.61416	3.459321
HRASLS	0.307162	0.070197
HRASLS5	3.263472	2.866851
HRC	2.668218	1.069967
HRCT1	12.55564	5.181716
HRG	4.865239	3.448925
HRH1	3.672128	1.541237
HRH2	5.886199	3.114727
HRH3	8.950852	8.396527
HRH4	1.256749	1.033026
HRK	1.235872	0.219446
HS1BP3	0.751992	1.284625
HS2ST1	7.752277	7.55405
HS3ST1	9.369695	2.013876
HS3ST2	2.30539	2.619499
HS3ST3A1	6.542732	4.391649
HS3ST3B1	7.60876	5.934444
HS3ST4	7.345914	3.263361
HS3ST5	3.315882	3.186934
HS3ST6	12.47541	7.578799
HS6ST1	1.356362	1.646063
HS6ST2	3.330867	4.776758
HS6ST3	5.199813	0.430978
HSBP1	5.304561	3.531615
HSBP1L1	2.874832	1.613843
HSCB	21.40409	10.15488
HSD11B1	0.530074	0.715772
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HSD17B1	4.830953	4.612749
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HSD17B7	38.89559	19.05277
HSD17B8	4.654909	2.993831
HSD3B1	4.917409	4.16681
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HSDL1	2.460556	1.801873
HSDL2	4.752014	8.66019
HSF1	3.235837	3.33896
HSF2	2.320828	1.256312
HSF2BP	1.922597	1.161256
HSF4	1.291866	0.980063
HSF5	2.220212	3.602874
HSH2D	2.691801	1.470988
HSP90AA1	1.748018	0.89898
HSP90AB1	0.052694	0.027698
HSP90B1	4.445527	3.138934
HSPA12A	6.600988	1.79601
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HSPA13	0.771665	0.606819
HSPA14	0.869659	1.206793
HSPA1A	5.930589	6.10795
HSPA1L	0.729496	0.497317
HSPA2	0.650311	0.421425
HSPA4	1.646382	1.225252
HSPA4L	2.295131	2.688594
HSPA5	2.949848	2.068957
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HSPA9	1.113202	1.082932
HSPB1	2.158806	1.373191
HSPB11	1.157098	0.820444
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HSPB3	5.568607	4.814933
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HSPBP1	4.022275	1.535673
HSPD1	6.130955	6.108333
HSPE1	7.034364	6.325503
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HTATIP2	2.123492	1.13242
HTD2	0.495948	0.154169
HTR1A	1.521981	0.66381
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HTR1D	2.79598	4.842424
HTR1E	0.563681	0.020611
HTR1F	2.245424	1.442542
HTR2A	6.893035	8.294917
HTR2B	3.053324	7.709037
HTR2C	2.363182	1.335264
HTR3A	4.672813	3.745525
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HTR4	3.35867	2.655717
HTR5A	1.452127	0.804619
HTR6	0.552272	1.002822
HTR7	0.6001	0.575522
HTRA1	8.730189	4.333655
HTRA2	1.652521	1.277036
HTRA3	0.477284	0.327531
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HTT	7.735886	4.193588
HUNK	1.296452	1.215123
HUS1	0.908118	0.177416
HUWE1	1.296841	0.903772
HVCN1	2.907095	1.055151
HYAL1	4.125834	5.52606
HYAL2	1.553726	0.83009
HYAL3	1.119634	0.419764
HYAL4	4.555853	5.378464
HYDIN	5.085104	4.845243
HYI	8.954931	8.824469
HYKK	1.305753	0.976719
HYLS1	2.513699	1.979824
HYOU1	1.298368	1.364922
HYPK	1.245433	1.908117
IAH1	2.85577	4.245602
IAPP	3.81435	1.819055
IARS	3.039028	1.635769
IARS2	4.583054	4.224496
IBA57	3.800886	3.892293
IBSP	1.737222	1.365497
IBTK	3.36002	2.839587
ICA1	0.897659	0.931146
ICA1L	2.061481	1.238373
ICAM1	4.339545	4.107893
ICAM3	1.733534	0.396314
ICAM4	7.741848	13.20069
ICAM5	4.111884	3.693334
ICE1	0.656264	0.8148

ICE2	0.274504	0.261586
ICK	8.431012	4.890457
ICMT	6.069874	3.938838
ICOS	2.05452	4.658221
ICOSLG	2.663539	1.335895
ID1	1.289086	1.097424
ID2	2.887261	2.123911
ID3	4.412536	3.02019
ID4	7.242395	1.438495
IDE	10.37816	8.459981
IDH1	5.151937	2.795978
IDH2	2.681395	1.270167
IDH3A	11.64845	6.522825
IDH3B	4.353658	3.552973
IDH3G	4.619587	4.074945
IDI1	1.069766	0.213532
IDNK	0.81248	0.62636
IDO1	1.722814	1.035908
IDO2	2.685629	1.564797
IDS	3.844762	2.918915
IDUA	4.383113	4.670681
IER2	2.310031	2.088821
IER3	0.859239	1.135947
IER3IP1	4.184577	2.299843
IER5	4.988803	3.968795
IER5L	2.28172	1.710663
IFFO1	5.789042	3.559968
IFFO2	0.520169	0.597465
IFI16	4.671449	4.609663
IFI27	2.423455	2.492192
IFI27L2	7.401816	3.537213
IFI30	1.209403	1.413067
IFI35	7.272655	5.114713
IFI44	4.13876	3.168075
IFI44L	3.553552	0.676075
IFI47	7.775022	5.260382
IFI6	4.020859	3.717355
IFIH1	1.051532	1.144752
IFIT2	2.848423	2.596798
IFIT3	0.873974	0.535329
IFIT5	1.985809	1.461321
IFITM1	2.739086	4.673032
IFITM10	0.473986	0.482588
IFITM2	6.101912	7.704844
IFITM3_1	42.721	26.81453
IFITM3_2	1.905982	2.932927
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IFNA16	1.187778	0.837518
IFNAA	0.733122	0.794175
IFNAC	3.989098	4.793836

IFNAD	10.69263	4.909332
IFNAG	1.717435	1.305644
IFNAH	3.160966	3.992197
IFNAR1	2.200366	1.116696
IFNAR2	0.631824	0.155886
IFNB1	6.163745	3.226947
IFNB3	0.886998	0.685721
IFNE	16.04982	9.717658
IFNG	0.866272	0.552281
IFNGR1	3.827184	10.46538
IFNGR2	3.295458	3.623552
IFNK	2.92253	5.365522
IFNL3	0.967653	0.953529
IFNLR1	1.340505	0.962883
IFNT2	3.652851	2.836136
IFNT3	5.717295	2.625406
IFN-TAU	4.889819	4.665468
IFN-tau-c1	3.59583	1.688452
IFNW1	2.931936	0.365964
IFRD1	2.720307	2.895948
IFRD2	1.815339	1.254817
IFT122	2.979819	1.930088
IFT140	2.702195	2.383259
IFT172	3.959242	7.228558
IFT20	3.070946	2.319059
IFT22	7.711199	7.056785
IFT27	5.413202	3.214027
IFT43	5.570978	0.771384
IFT46	1.911491	2.394564
IFT52	4.511783	4.056876
IFT57	1.481773	2.456035
IFT74	2.566282	2.257519
IFT80	1.593371	1.117359
IFT81	1.57047	1.329172
IFT88	5.260514	2.811193
IGBP1	4.859223	1.711862
IGCGAMMA	4.912801	3.008264
IGDCC3	2.189462	2.069176
IGDCC4	2.732004	2.694586
IGF1	3.296168	2.097829
IGF1R	3.592755	2.0566
IGF2	10.70884	12.86307
IGF2BP1	3.521655	4.547807
IGF2BP2	4.605855	3.90678
IGF2BP3	2.939786	4.488234
IGF2R	4.123442	3.086926
IGFALS	1.428752	2.377578
IGFBP1	3.749239	2.660555
IGFBP2	9.568868	5.662158
IGFBP3	3.258232	2.450919

IGFBP4	2.166003	3.316193
IGFBP5	0.427268	0.14598
IGFBP6	1.42433	2.582159
IGFBP7	0.561056	0.614529
IGFBPL1	5.231858	3.877041
IGFL1	5.129583	6.968125
IGFLR1	2.221147	1.056741
IGFN1	1.984115	1.042194
IGHE	3.743326	3.802635
IGHG1	3.443597	1.590012
IGHM	0.326111	0.195057
IGHMBP2	5.560282	4.071676
IGIP	7.595966	7.935378
IGLL1	1.724264	0.778673
IGLON5	1.566041	1.343853
IGSF1	0.822944	1.103929
IGSF10	0.80318	0.428339
IGSF11	3.724744	2.666178
IGSF21	2.879743	2.454862
IGSF22	170.2551	123.0587
IGSF23	3.301631	2.93389
IGSF3	0.214203	0.148356
IGSF5	3.765933	3.927112
IGSF6	1.317675	0.930627
IGSF8	1.304832	0.587073
IGSF9	11.75357	34.1016
IGSF9B	1.230226	0.400379
IHH	1.25485	0.741908
IK	3.65346	3.488607
IKBIP	4.455376	3.166869
IKBKB	2.966043	0.441119
IKBKE	0.561762	0.538981
IKBKG	3.141126	3.923196
IKZF1	1.431755	1.076996
IKZF2	0.480103	0.432612
IKZF3	3.435743	6.208639
IKZF4	2.216138	0.210416
IKZF5	2.195176	1.370911
IL10	1.691711	0.685539
IL10RA	4.107516	1.445367
IL10RB	2.546011	1.161473
IL11	1.293576	0.586898
IL11RA	2.306986	1.510252
IL12A	10.01803	4.68983
IL12B	7.284089	6.733253
IL12RB1	1.596211	1.490145
IL12RB2	5.177761	2.098502
IL13	3.272353	2.132518
IL13RA1	1.059946	0.767318
IL13RA2	1.420629	0.550395

IL15	2.352036	2.214033
IL-15L	23.45404	7.433994
IL15RA	2.423324	1.644541
IL16	9.772305	6.704116
IL17A	10.70581	6.328577
IL17B	2.910906	2.352371
IL17D	1.509896	1.610808
IL17F	34.22251	12.50249
IL17RA	4.217594	6.317888
IL17RB	1.983045	2.743222
IL17RC	0.077398	0.14239
IL17RD	4.168032	3.615593
IL17RE	1.301441	1.914114
IL17REL	1.677608	0.369617
IL18	1.955422	1.534703
IL18BP	1.606026	1.296191
IL18R1	2.21691	1.834747
IL18RAP	2.458497	0.425773
IL19	1.736624	0.951803
IL1A	1.741766	0.946279
IL1B	1.926912	2.064136
IL1F10	6.218066	4.776569
IL1R1	6.075756	4.589714
IL1R2	5.018031	1.454205
IL1RAP	3.768905	2.333022
IL1RAPL1	4.050608	2.016972
IL1RAPL2	2.196456	1.354683
IL1RL1	6.587497	0.170316
IL1RL2	13.12512	11.97055
IL1RN	1.41121	4.617933
IL2	4.115637	4.169659
IL20	1.43756	0.891446
IL20RA	4.247902	4.366687
IL20RB	5.878229	3.398052
IL21	1.515466	1.787681
IL21R	2.957639	2.117634
IL22	5.647022	5.031389
IL22RA1	1.702362	1.167966
IL22RA2	1.982776	2.242049
IL23A	1.237956	1.200659
IL23R	1.636727	1.450975
IL24	0.423857	0.327368
IL25	3.84007	3.108374
IL26	7.077533	5.104935
IL27	2.174072	0.400276
IL27RA	1.01529	0.315526
IL2RA	3.906927	4.247811
IL2RB	3.36582	1.901014
IL2RG	0.535421	0.437269
IL3	5.785661	7.243267

IL31RA	4.156353	4.242852
IL32	12.06822	5.220772
IL33	7.011032	7.762555
IL34	1.078831	2.014395
IL36A	2.144427	1.826627
IL36B	4.195346	8.759041
IL36G	2.666481	2.210003
IL36RN	30.83603	9.310221
IL37	5.71648	5.211496
IL3RA	5.22779	5.422732
IL4	1.970964	1.223226
IL4I1	11.28581	5.660692
IL4R	6.232466	4.034702
IL5	6.25281	5.236792
IL5RA	2.391494	1.70928
IL6	5.577002	3.784615
IL6R	5.003273	1.993041
IL6ST	2.728752	3.074992
IL7	1.620792	0.691265
IL7R	0.548338	0.346734
IL9	6.007777	4.567381
IL9R	2.249069	2.074408
ILDR1	1.129451	1.133818
ILDR2	3.222777	3.31187
ILF2	4.542746	5.581982
ILF3	2.95804	3.925641
ILK	3.125006	2.032223
ILKAP	4.651416	6.503201
ILVBL	3.747186	1.321263
IMMP1L	1.977616	2.131036
IMMP2L	3.292782	2.785822
IMMT	0.082363	0.056728
IMP3	2.951954	2.230657
IMP4	5.23633	3.343709
IMPA1	5.112698	6.424713
IMPA2	3.236112	2.320436
IMPACT	2.00606	2.624185
IMPAD1	1.492975	1.710141
IMPDH1	0.560986	0.198949
IMPDH2	6.778092	6.556086
IMPG1	5.965824	3.755377
IMPG2	2.291321	1.618437
INA	0.929695	0.596977
INAFM1	1.476084	1.071584
INAFM2	5.568381	4.504884
INAVA	2.487231	1.757685
INCA1	23.64935	78.27812
INCENP	1.445114	2.237857
INF2	3.459976	0.379107
INFAF	1.5281	0.52248

ING1	2.801751	2.017375
ING2	2.66268	2.339624
ING3	0.894144	0.355103
ING4	1.365689	1.321976
ING5	2.6178	2.228474
INHA	10.3432	7.224402
INHBA	3.7335	3.040928
INHBB	4.791247	2.48212
INHBC	0.893976	0.789686
INHBE	2.562474	2.507432
INIP	6.095045	5.684802
INMT	0.583014	0.516869
INO80	1.653443	1.295613
INO80B	2.132626	1.448159
INO80C	1.177434	2.631659
INO80D	4.437281	5.435927
INO80E	0.424773	0.312583
INPP1	5.747914	6.494697
INPP4A	4.9883	2.931394
INPP4B	1.001497	1.505207
INPP5A	2.812083	3.513366
INPP5B	1.061533	0.925786
INPP5D	4.299746	3.529695
INPP5E	0.637938	0.290108
INPP5F	1.031716	0.582637
INPP5J	0.328173	0.204132
INPP5K	0.483026	0.538731
INPPL1	3.995382	3.005329
INS	2.340407	1.771602
INSC	1.608971	0.854556
INSIG1	2.098072	2.164989
INSIG2	0.736166	0.479819
INSL3	1.425055	0.830385
INSL5	3.589051	2.156015
INSL6	2.431255	3.476272
INSM1	0.198355	0.288252
INSM2	2.546056	1.874086
INSR	6.261115	0.89341
INSRR	1.838566	1.169657
INTS1	3.642602	3.030398
INTS10	1.594912	4.035626
INTS11	2.786331	0.040248
INTS12	6.56784	4.821474
INTS13	0.57592	1.00811
INTS14	3.258905	13.63624
INTS2	7.108819	5.392669
INTS3	5.022855	5.201515
INTS4	1.839173	1.386912
INTS5	3.077107	3.137278
INTS6	0.562232	0.276898

INTS6L	2.408149	1.434058
INTS7	10.14829	5.927298
INTS8	2.435877	2.501166
INTS9	1.627105	3.176661
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INVS	6.255736	4.748539
IP6K1	1.144798	0.428691
IP6K2	2.485751	1.871632
IP6K3	5.182713	6.377883
IPCEF1	3.879593	3.607952
IPMK	5.505783	4.526043
IPO11	1.31773	0.854745
IPO13	1.072994	1.043817
IPO4	4.821262	3.29561
IPO5	2.910885	2.629882
IPO7	1.632164	1.158858
IPO8	2.047392	2.785763
IPO9	5.662109	3.453832
IPP	2.426368	2.452987
IPPK	3.271106	4.38404
IQANK1	3.946772	1.435995
IQCA1	2.220786	2.161462
IQCA1L	2.589996	3.358599
IQCB1	3.806984	5.539223
IQCC	3.708803	3.228615
IQCD	5.986857	4.575579
IQCE	8.233359	7.026681
IQCF1	1.100183	0.707643
IQCF2	4.816876	2.800784
IQCF5	2.00834	0.039755
IQCF6	0.974613	0.873899
IQCG	1.49088	1.015272
IQCH	1.95129	1.52506
IQCK	0.403721	0.488369
IQCM	6.774692	7.68283
IQCN	4.40756	1.932494
IQGAP1	6.481363	9.301553
IQGAP2	0.518783	0.584896
IQGAP3	1.809567	1.562019
IQSEC1	2.325406	0.494122
IQSEC2	1.550689	1.249802
IQSEC3	1.394179	0.843704
IQUB	0.924812	0.712859
IRAK1	0.869912	0.775771
IRAK1BP1	1.704061	0.991277
IRAK2	6.220211	4.921195
IRAK3	6.550762	3.596538
IRAK4	2.126809	2.864603
IREB2	1.276879	0.540116
IRF1	4.178024	5.523404

IRF2	23.75124	10.89089
IRF2BP1	2.901296	2.713433
IRF2BP2	9.049294	6.480422
IRF2BPL	4.858602	6.238998
IRF3	3.042397	2.808558
IRF4	0.622025	0.702348
IRF5	3.939279	2.488907
IRF6	5.01817	3.513823
IRF7	1.97451	2.116596
IRF8	8.193567	7.716355
IRF9	1.224497	0.705234
IRGC	3.742612	4.617862
IRGQ	2.343225	1.114224
IRS1	3.893385	3.60002
IRS2	0.514828	0.367255
IRS4	0.449652	1.679033
IRX1	1.990679	2.23927
IRX2	5.326056	5.140353
IRX3	7.698495	13.70354
IRX4	1.37693	2.833079
IRX5	6.924475	6.066186
IRX6	2.198973	1.716
ISCA1	2.270981	1.061063
ISCA2	3.522997	3.260962
ISCU	2.002597	1.266844
ISG12(B)	4.304108	1.549567
ISG15	2.771939	2.462995
ISG20	3.306621	3.606906
ISG20L2	1.080393	0.749534
ISL1	3.270327	1.418513
ISL2	2.014847	1.137595
ISLR	2.517835	2.450556
ISLR2	1.251351	0.991943
ISM1	3.089663	1.579828
ISM2	8.920421	4.215937
ISOC1	4.369833	3.103338
ISOC2	2.84637	3.265989
ISPD	1.283326	1.058532
IST1	3.11819	1.069556
ISX	1.698173	1.520479
ISY1	4.601678	5.606825
ISYNA1	3.051387	1.474332
ITCH	2.183295	1.227452
ITFG1	1.62809	1.397401
ITFG2	5.018503	4.218956
ITGA1	3.015096	1.563932
ITGA10	4.026462	2.427599
ITGA11	6.34938	5.688098
ITGA2	3.478998	2.393941
ITGA2B	1.132783	0.98928

ITGA3	1.289756	0.564452
ITGA4	13.92544	8.711661
ITGA5	4.268124	2.811075
ITGA6	5.387773	2.727666
ITGA7	3.849928	1.715241
ITGA8	2.07991	1.657196
ITGA9	3.992012	2.894236
ITGAD	6.316514	9.08046
ITGAE	0.278293	0.114048
ITGAL	1.168835	0.740541
ITGAM	7.343717	9.931534
ITGAV	4.508589	5.859991
ITGAX	1.99339	1.431193
ITGB1	1.286053	0.76612
ITGB1BP1	1.140603	0.593737
ITGB1BP2	3.98229	3.499173
ITGB2	5.247036	3.865421
ITGB3	3.558794	2.334015
ITGB3BP	7.385905	0.015239
ITGB4	4.284264	5.415912
ITGB5	1.288405	0.93723
ITGB6	3.644266	2.010484
ITGB7	6.776287	4.149533
ITGB8	0.714353	0.612634
ITGBL1	1.170185	1.317635
ITIH1	3.788025	1.994477
ITIH2	1.660241	1.047207
ITIH3	7.491493	2.40445
ITIH4	2.815293	2.853746
ITIH5	4.545786	4.108422
ITIH6	0.430515	0.463011
ITK	1.449735	1.254227
ITLN2_1	1.255385	0.989802
ITLN2_2	0.690937	0.089338
ITM2A	10.02425	10.78667
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ITM2C	1.389396	1.090012
ITPA	0.939687	0.563037
ITPK1	2.129297	2.402646
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ITPKB	15.09996	12.25633
ITPKC	3.116616	3.206226
ITPR1	0.535116	0.127851
ITPR2	2.797822	0.454889
ITPR3	3.627614	3.067534
ITPRIP	0.667974	0.258415
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ITPRIPL2	0.857453	0.760562
ITSN1	3.022538	1.679027
ITSN2	2.442265	2.075281

IVD	2.087877	1.948724
IVL	2.733459	2.339191
IVNS1ABP	8.294685	12.38777
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IYD	1.336182	1.370063
IZUMO1	0.901573	0.606675
IZUMO1R	3.677112	2.252916
IZUMO2	2.555055	2.034906
IZUMO3	6.788412	2.614757
IZUMO4	4.158844	1.321044
JADE1	5.616681	3.384718
JADE2	2.045327	0.26534
JADE3	4.613922	3.752822
JAG1	0.767163	0.368179
JAG2	1.679386	1.023526
JAGN1	2.335636	1.292542
JAK1	2.242647	2.664551
JAK2	5.837055	2.816543
JAK3	2.275692	0.888669
JAKMIP1	1.507193	0.732152
JAKMIP2	1.150522	1.315633
JAKMIP3	1.846786	1.683398
JAM2	3.268792	4.572392
JAM3	2.359146	1.059575
JAML	2.724158	3.807225
JARID2	0	0.054379
JAZF1	16.39154	2.894627
JCAD	42.26066	15.69005
JCHAIN	1.696015	2.035001
JDP2	3.726968	4.180843
JHY	3.03953	4.53781
JKAMP	3.997228	4.451928
JMJD1C	1.850469	2.015563
JMJD4	0.446148	0.333302
JMJD6	2.030744	2.255519
JMJD7	7.53996	11.19829
JMJD8	2.93851	3.480606
JMY	3.238633	3.774157
JOSD1	3.676053	2.658456
JOSD2	2.121295	1.943589
JPH1	0.761392	0.347551
JPH2	0.886075	0.666938
JPH3	4.887894	3.407689
JPH4	4.56331	5.444506
JPT1	7.477569	6.694815
JPT2	5.854837	8.391413
JRK	10.71972	10.35528
JRKL	3.306364	4.800931
JSP.1	2.184851	1.586369
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JTB	2.617354	4.379747
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JUND	4.773718	0.280129
JUP	3.450025	1.413205
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KARS	3.151348	1.844877
KAT14	1.072481	0.078
KAT2A	2.419069	0.740472
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KAT7	2.948452	1.168276
KAT8	3.457021	0.433071
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KATNAL1	2.475493	4.680133
KATNAL2	1.797281	1.306772
KATNB1	1.797242	2.163736
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KAZN	0.635867	0.313077
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KBTBD13	3.083399	3.465002
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KCMF1	6.828557	6.891849
KCNA1	4.385627	2.757494
KCNA10	6.529949	7.841739
KCNA2	5.829057	2.533795
KCNA3	1.586729	0.497799
KCNA4	1.221919	1.276526
KCNA5	1.113465	1.023072
KCNA6	0.233973	0.197345
KCNA7	2.295905	2.362438
KCNAB1	3.38832	2.446733

KCNAB2	3.177965	2.987979
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KCNC1	7.608338	3.300106
KCNC2	0.486581	0.531485
KCNC3	4.91443	4.472678
KCNC4	3.55688	3.261126
KCND1	5.32626	2.422402
KCND2	2.318585	0.9709
KCND3	1.966139	1.61928
KCNE1	7.202423	2.761953
KCNE2	2.92994	0.4695
KCNE3	6.352589	2.235244
KCNE4	3.999493	2.538909
KCNE5	1.087656	0.858908
KCNF1	3.697913	3.554211
KCNG1	2.457392	1.278876
KCNG2	2.148425	1.203939
KCNG3	3.150317	1.836658
KCNG4	3.048997	1.848642
KCNH1	3.676124	6.58773
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KCNH5	3.250724	1.957003
KCNH6	0.356861	0.267967
KCNH7	1.537788	0.669442
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KCNIP1	6.923582	9.501711
KCNIP2	22.08682	18.14407
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KCNQ3	2.650545	4.581486
KCNQ4	1.138701	0.324833
KCNQ5	1.409802	2.517075
KCNRG	2.332536	2.254547
KCNS1	3.404907	2.901529
KCNS2	2.656695	1.843166
KCNS3	3.306365	3.033737
KCNT1	3.903233	2.943561
KCNT2	2.766151	4.742808
KCNU1	2.74705	2.901821
KCNV1	1.165624	1.256431
KCNV2	5.626045	2.538572
KCP	7.354219	2.439413
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KDF1	1.323958	2.986981
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KDM4A	5.808167	6.863326
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KDM8	4.931953	2.167198
KDR	2.861669	2.319287
KDSR	4.170426	4.378432
KEAP1	1.66989	2.633232
KEL	1.072497	1.138978
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KHDC1L	8.20621	1.971185
KHDC3L	5.381492	1.676831
KHDC4	1.994301	2.866141
KHDRBS1	2.111129	1.581697
KHDRBS2	1.705723	0.36789
KHDRBS3	2.442307	3.006776
KHK	2.337709	2.514458
KHNYN	2.880162	2.259022
KHSRP	1.454592	1.408884
KIAA0040	0.411882	0.231805
KIAA0100	2.694208	1.66153
KIAA0141	7.528259	3.968113
KIAA0232	1.314221	1.168346
KIAA0319	63.01954	73.49169
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KIAA0355	7.123365	15.27157
KIAA0391	10.13875	4.165237
KIAA0408	9.516888	5.200844
KIAA0513	8.02896	7.403352
KIAA0556	1.808498	0.777764
KIAA0586	1.980713	1.800701
KIAA0753	3.263748	2.441115
KIAA0754	2.942175	3.328327
KIAA0825	2.445831	3.124215
KIAA0895	5.428721	2.573371
KIAA0895L	1.748825	2.565883
KIAA0930	6.593805	2.884958
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KIAA1109	7.38634	13.44646
KIAA1143	6.969906	5.073167
KIAA1147	2.81426	2.226032
KIAA1191	1.10141	0.888275
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KIAA1211_1	1.566226	1.179437
KIAA1211_2	5.768825	4.890455
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KIAA1257	2.58292	1.597409
KIAA1324	3.130843	0.873834
KIAA1324L	1.61837	0.393826
KIAA1328	2.525895	1.955753
KIAA1468	0.135219	0.129608
KIAA1522	0.476649	0.185515
KIAA1549	2.433521	1.151218
KIAA1549L	3.134421	3.701533
KIAA1551	13.51452	14.20727
KIAA1614	7.726427	11.86086
KIAA1671	4.511058	4.277062
KIAA1755	3.416785	3.597935
KIAA1841	1.36955	0.615236
KIAA1958	0.426083	0.471498
KIAA2012	8.902469	4.869408
KIAA2013	1.683647	0.964918
KIAA2026	5.692284	6.442201
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KIF7	1.222989	1.676145
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KIFC3	9.502757	8.385777
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KIR3DS1	7.367918	8.944302
KIRREL1	3.73509	4.101578
KIRREL2	3.648188	0.976582
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KLF6	2.890782	4.818553
KLF7	6.050194	4.500912
KLF8	3.147743	2.976532
KLF9	1.234651	0.803745
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KLHDC10	2.512924	2.446965
KLHDC2	4.483031	3.016837
KLHDC3	4.280409	2.801656
KLHDC4	1.256434	1.658506
KLHDC7A	5.250719	0.803673
KLHDC7B	0.223575	0.135597
KLHDC8A	3.758003	3.344352
KLHDC8B	18.91682	15.12296
KLHDC9	0.866291	0.528429
KLHL1	9.873676	10.9403
KLHL10	4.52786	3.47879
KLHL11	1.866557	4.72814
KLHL12	5.741382	7.171628
KLHL13	2.955723	2.491715
KLHL14	0.953144	0.501001
KLHL15	4.446145	3.685911
KLHL17	7.020888	3.218276
KLHL18	4.040547	10.82428
KLHL2	3.485476	2.326233
KLHL20	2.080539	2.25703
KLHL21	10.4005	12.31815
KLHL22	3.875548	4.099725
KLHL23	0.792343	1.058749
KLHL24	5.059674	3.476817
KLHL25	1.703567	1.097099
KLHL26	4.510027	5.120734
KLHL28	4.117566	4.391507

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KLHL32	0.740309	0.722433
KLHL33	3.923046	3.181234
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KLHL35	4.073864	3.829301
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KLHL38	5.814161	6.030941
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KLHL40	2.192717	1.585938
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KLHL42	5.483238	12.64622
KLHL5	2.258842	1.264457
KLHL6	3.67719	2.209326
KLHL7	0.721351	0.134316
KLHL8	2.575465	2.495339
KLHL9	2.534637	0.720152
KLK1	5.73274	6.587681
KLK10	5.003903	6.295236
KLK11	2.026869	1.664605
KLK12	2.824509	2.8081
KLK13	4.923951	1.61024
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KLK4	3.36159	7.562014
KLK5	2.978654	5.150281
KLK6	8.446911	0.635952
KLK7	3.169961	1.730852
KLK8	1.125775	0.825403
KLK9	2.45667	2.071193
KLKB1	5.003191	4.609626
KLRA1	1.244616	2.290942
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KLRD1	1.447819	1.588531
KLRF1	4.03907	4.565745
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KLRG1	9.958728	12.02834
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KNOP1	0.676048	0.452265
KNSTRN	0.292475	0.108518
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KPNA3	1.116097	1.15051
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KPNA5	1.898514	3.234624
KPNA6	1.464296	1.252921
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KPNB1	2.191895	1.299183
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KRAS	5.758341	8.137047
KRBA1	2.020023	1.329912
KRBA2	0.559837	0.415436
KRCC1	6.034771	2.060863
KREMEN1	1.408986	1.327274
KREMEN2	2.676841	1.497538
KRI1	3.265088	2.64058
KRIT1	4.387703	3.32204
KRR1	1.053717	0.557738
KRT1	1.555672	1.549038
KRT10	2.068679	1.580986
KRT12	25.18051	9.766566
KRT13	4.98059	6.176159
KRT14	5.488558	2.196971
KRT15	0.882352	0.996031
KRT16	1.794988	1.204467
KRT17	0.164825	0.66009
KRT18	0.042792	0.138171
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KRT20	2.368082	1.546899
KRT222	1.48785	0.88549
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KRT5	0.356744	0.312526
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KRT6B	4.31433	4.769123
KRT6C	1.0959	0.55854
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KRT76	3.884705	2.17088
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KRT78	3.198217	5.783236
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KRT81	1.945871	2.247623
KRT82	4.256524	3.162368
KRT83	0.588093	0.582295
KRT84	4.212636	2.234773
KRT85	1.819475	2.172413
KRT86	3.195335	2.316362
KRT89	1.610728	1.041396
KRT9	3.301528	1.841886
KRTAP10-11	1.143626	0.367354
KRTAP10-2	2.984467	1.832612
KRTAP10-8	3.054501	0.218829
KRTAP1-1	2.153582	0.815535
KRTAP11-1	0.729177	0.484829
KRTAP12-2	1.60461	3.380764
KRTAP13-1	7.252567	3.539262
KRTAP13-2	0.689957	0.469677
KRTAP17-1	0.134504	0.128142
KRTAP24-1	4.593824	5.206244
KRTAP27-1	10.89432	3.864902
KRTAP3-1	2.039447	1.488994
KRTAP3-3	5.051385	4.270202
KRTAP4-7	6.755221	4.553084
KRTAP7-1	0.859119	0.121521
KRTAP8-1	3.471299	3.898355
KRTAP9-1	1.982928	1.950312

KRTAP9-2	2.320246	1.018057
KRTCAP2	13.45879	7.840455
KRTCAP3	0.479438	0.382356
KRTDAP	3.225496	3.48179
KSR1	1.367626	1.075853
KSR2	1.625827	0.886993
KTI12	2.514647	2.323638
KTN1	2.491115	1.204884
KXD1	2.409208	1.45333
KY	3.858494	0.655794
KYAT1	2.830709	0.918427
KYAT3	12.41699	10.86117
KYNU	1.105584	1.580668
L1CAM	3.526512	2.22821
L2HGDH	1.86825	2.342622
L3HYPDH	0.735422	0.160073
L3MBTL1	0.275418	0.329472
L3MBTL2	0.752963	0.791559
L3MBTL3	2.716365	2.670177
LACC1	14.13655	11.82457
LACTB	1.236743	1.313941
LACTB2	5.100598	2.941705
LACTBL1	9.366987	9.049047
LAD1	2.850458	1.717638
LA-DRB	10.50644	12.70827
LAG3	0.965006	1.337968
LAGE3	2.860983	2.464112
LAIR1	2.485749	2.38187
LALBA	9.563955	5.245912
LAMA1	2.58112	1.159571
LAMA2	3.994327	2.740047
LAMA3	2.833443	2.747942
LAMA4	2.966812	4.660122
LAMA5	11.1939	4.498493
LAMB1	8.590528	5.029895
LAMB2	4.504513	2.434591
LAMB3	2.55859	2.523429
LAMC1	4.181674	1.519731
LAMC2	6.070438	4.237627
LAMC3	3.133518	2.718641
LAMP1	7.793797	6.437405
LAMP2	0.734787	0.591933
LAMP3	3.248009	1.894086
LAMP5	1.852518	1.815221
LAMTOR1	1.748283	0.024404
LAMTOR2	2.532159	1.710495
LAMTOR3	0.888228	0.341181
LAMTOR4	0.748475	0.209824
LAMTOR5	4.279802	8.109188
LANCL1	4.109643	3.736727

LANCL2	0.837925	0.651849
LANCL3	4.046845	2.558088
LAP	1.663557	1.694537
LAP3	2.738672	2.020433
LAPTM4A	1.064615	0.557602
LAPTM4B	6.62329	5.323465
LAPTM5	3.888975	1.557259
LARGE1	3.123037	5.857604
LARGE2	0.998707	0.247669
LARP1	3.8811	3.015685
LARP1B	15.86973	12.53078
LARP4	0.482891	0.409577
LARP4B	1.792842	1.849432
LARP6	3.950311	2.202611
LARP7	1.125169	0.717034
LARS	1.815085	2.68317
LARS2	3.569405	1.211187
LAS1L	0.440709	0.468059
LASP1	3.444849	3.586633
LAT	7.936723	5.672518
LAT2	1.789141	1.41641
LATS1	2.805037	3.014735
LATS2	13.5472	7.229469
LAX1	3.570568	5.049346
LAYN	2.801639	1.886858
LBH	12.90406	4.252932
LBHD1	6.376205	4.553702
LBHD2	6.436417	8.730646
LBP	2.555057	1.755802
LBR	0.863134	1.321548
LBX1	0.745671	0.25162
LBX2	2.057008	1.017734
LCA5	3.324096	4.920938
LCA5L	1.784528	1.882711
LCAT	2.339612	1.193763
LCE1B	0.769699	0.907233
LCE3C	1.856624	1.70923
LCK	4.441235	4.703968
LCLAT1	2.490142	1.110684
LCMT1	1.583092	0.899976
LCMT2	6.32706	5.2771
LCN1	0.736091	0.501603
LCN12	2.068984	1.261983
LCN2	3.999173	3.489796
LCN6	0.579495	0.286251
LCN8	2.81067	2.444224
LCN9	2.244926	2.541835
LCNL1	2.289638	1.822062
LCOR	2.887419	2.619364
LCORL	16.41183	4.231494

LCP1	0.528936	0.294109
LCP2	2.154176	1.051198
LCT	2.381904	2.997546
LCTL	1.196531	0.609729
LDAH	4.35549	6.353077
LDB1	1.026694	0.532772
LDB2	10.32178	1.067275
LDB3	2.245774	0.980301
LDHA	1.96457	1.264959
LDHAL6B	2.030236	3.006247
LDHB	36.42161	19.5611
LDHC	0.836775	0.932981
LDHD	8.797125	12.22136
LDLR	0.796318	1.111016
LDLRAD1	0.435388	0.382208
LDLRAD2	1.849303	3.37055
LDLRAD3	5.877847	13.68207
LDLRAD4	1.016544	1.34596
LDLRAP1	2.433445	1.458373
LEAP2	1.265192	1.065076
LECT2	3.147812	3.80664
LEF1	5.012793	6.152411
LEFTY2	4.728376	2.803178
LEKR1	2.67014	1.198328
LELP1	4.414168	2.045429
LEMD1	1.330049	0.622229
LEMD2	4.717099	3.722076
LEMD3	9.610631	9.336191
LENEP	2.692546	2.95285
LENG1	13.10625	11.09241
LENG8	4.637092	5.09814
LENG9	0.494369	0.253517
LEO1	3.30818	2.658753
LEP	8.332373	8.225395
LEPR	3.152397	3.329278
LEPROT	57.90872	22.30426
LEPROTL1	2.310087	2.208354
LETM1	11.46349	10.01499
LETM2	8.254629	6.507888
LETMD1	2.252667	1.417959
LEXM	3.879593	3.100232
LFNG	1.700644	1.213713
LGALS1	1.998745	1.077982
LGALS12	4.486752	2.02999
LGALS2	2.598072	2.034627
LGALS3	2.01553	0.615207
LGALS3BP	2.51516	1.647514
LGALS4	2.150714	1.847738
LGALS7	0.992617	1.287471
LGALS7B	1.377688	0.611299

LGALS8	1.137209	0.666519
LGALS9	9.773598	12.48128
LGALSL	0.483584	0.669084
LGI1	2.045168	3.680685
LGI2	9.709596	5.270409
LGI3	2.983277	4.331832
LGI4	1.257222	2.383505
LGMN	5.297867	4.202904
LGR4	2.187521	2.098259
LGR5	0.630627	0.259982
LGR6	1.043111	0.208174
LGSN	4.727405	6.435212
LHB	5.088757	3.625953
LHCGR	11.19824	8.961146
LHFPL1	0.975371	0.508849
LHFPL2	5.358831	4.83823
LHFPL3	3.118092	7.047746
LHFPL4	2.332747	3.529358
LHFPL5	0.128902	0.143038
LHFPL6	1.578001	0.979862
LHPP	0.502019	0.631662
LHX1	1.207415	1.031312
LHX2	11.93437	6.447852
LHX3	0.8659	0.732031
LHX4	7.331677	6.493813
LHX5	0.924987	1.269747
LHX6	2.414392	2.011707
LHX8	255.1859	1187.231
LHX9	1.372668	1.184804
LIAS	2.081506	1.26994
LIF	0.338295	0.003783
LIFR	0.120652	0.157453
LIG1	0.724305	0.89933
LIG3	0.923295	0.548713
LIG4	4.0712	1.833182
LIM2	3.647693	3.277771
LIMA1	2.646327	2.203137
LIMCH1	4.909209	1.905014
LIMD1	0.915218	1.756298
LIMD2	0.469592	0.479312
LIME1	1.22246	1.095776
LIMK1	2.589124	3.932187
LIMK2	2.230062	1.137624
LIMS1	2.663124	28.54586
LIMS2	2.303454	1.921671
LIN28A	0.192247	0.148051
LIN28B	2.295693	0.660643
LIN37	4.492807	4.280972
LIN52	1.043701	0.476513
LIN54	5.051164	4.145502

LIN7A	1.518959	2.059968
LIN7B	5.726769	4.049066
LIN7C	8.981887	8.948991
LIN9	5.111579	6.201441
LINC00483	2.233459	1.717696
LINC00694	4.80784	6.202721
LINC02054	4.714848	14.75795
LINGO1	0.41816	0.088384
LINGO2	1.469143	1.461217
LINGO3	9.354887	10.06232
LINGO4	10.26754	9.780102
LINS1	3.564675	2.097296
LIPA	1.760605	1.192447
LIPC	2.834796	2.148921
LIPE	3.284262	2.400107
LIPF	1.232878	0.628845
LIPG	2.871882	4.89137
LIPH	2.806606	2.380804
LIPI	3.482312	2.994682
LIPJ	0.6502	1.007989
LIPK	1.167617	0.118917
LIPM	0.255542	0.170953
LIPN	1.417418	0.613075
LIPT1	1.438587	1.17125
LIPT2	2.839659	2.189161
LITAF	0.214932	0.149212
LIX1	2.229629	1.84789
LIX1L	2.822902	3.877031
LKAAEAR1	3.006628	3.436061
LLCFC1	1.598281	1.474698
LLGL1	2.306706	3.074901
LLGL2	2.512459	0.897656
LLPH	4.179871	3.117771
LMAN1	1.310554	1.101213
LMAN1L	4.027059	4.38996
LMAN2	1.74277	2.784457
LMAN2L	0.948248	0.801898
LMBR1	3.107833	2.806411
LMBR1L	7.014227	6.794044
LMBRD1	2.664109	1.792225
LMBRD2	4.47069	3.516141
LMCD1	0.300155	4.649699
LMF1	2.894281	1.017475
LMF2	5.029454	4.136076
LMLN	2.020161	1.161156
LMLN2	11.85769	3.080456
LMNA	0.673448	0.529981
LMNB1	3.599879	2.853916
LMNB2	3.8331	2.400372
LMNTD1	2.966136	3.453983

LMNTD2	2.248549	2.173444
LMO1	4.775981	2.375511
LMO2	2.172572	3.62339
LMO3	1.709899	1.418309
LMO4	0.840926	0.973898
LMO7	3.511343	2.611742
LMOD1	1.19982	1.205757
LMOD2	4.560255	1.883229
LMOD3	4.247682	2.999775
LMTK2	0.925754	2.211344
LMTK3	0.794456	0.598545
LMX1A	2.185664	2.013256
LMX1B	0.925985	0.478746
LNP1	0.054642	0.032825
LNPEP	0.754121	0.014784
LNPK	3.964019	5.064531
LNX1	0.498942	0.669096
LNX2	10.14936	9.916693
LOC100124405	2.254148	1.411477
LOC100124406	2.260424	1.657226
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LOC100125776	1.59521	1.619985
LOC100125913	7.76249	4.788589
LOC100125949	4.296224	3.795888
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LOC100126053	4.226668	5.771378
LOC100126230	0.361438	0.197385
LOC100126544	2.656509	1.629746
LOC100137746	6.011927	7.707343
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LOC100137772	3.102558	2.18744
LOC100137780	2.811148	6.777235
LOC100137791	1.817773	0.820409
LOC100137799	5.312327	3.714359
LOC100137823	1.158821	2.346824
LOC100137843	4.575377	3.861548
LOC100137850	4.358611	3.763728
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LOC100137877	9.950062	11.87462
LOC100137897	0.97217	1.158907
LOC100137913	0.435194	0.267806
LOC100137929	2.149137	1.779146
LOC100137933	0.219637	0.113349
LOC100137952	1.188304	0.855945
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LOC100137981	3.250055	2.157603
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LOC100137986	4.030412	0.18249
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LOC100137989	0.176059	0.189491
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LOC100138009	2.145758	0.997799
LOC100138018	10.05854	1.461131
LOC100138021	2.495094	1.583694
LOC100138031	0.620393	0.66119
LOC100138037	5.247002	3.504905
LOC100138041	0.545067	0.134825
LOC100138048	1.878627	1.378742
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LOC100138077	2.073359	0.491952
LOC100138078	1.919564	1.736137
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LOC100138089	1.181097	1.012917
LOC100138092	1.17786	1.1254
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LOC100138113	7.906027	2.453729
LOC100138114	1.647403	1.408178
LOC100138116	0.157673	0.198471
LOC100138124	6.233467	3.798999
LOC100138126	2.442502	1.357548
LOC100138131	2.381571	1.528523
LOC100138140	2.239589	2.080952
LOC100138152	2.337629	3.62055
LOC100138161	2.132181	1.420654
LOC100138167	1.670657	2.636538
LOC100138175	0.201289	0.110112
LOC100138193	2.396281	1.858039
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LOC100138198	1.447442	1.495865
LOC100138217	4.108327	1.494113
LOC100138219	4.961571	4.786238
LOC100138220	2.815172	1.236333
LOC100138231	0.951383	0.44917
LOC100138236	11.22083	14.52271
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LOC100138249	5.180199	4.436016
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LOC100138271	2.14846	3.850977
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LOC100138279	1.023086	18.39172
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LOC100138306	3.03239	3.340846
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LOC100138363	1.870924	3.033891
LOC100138369	4.181474	9.17427
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LOC100138445	1.654213	1.170486
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LOC100138454	2.125406	0.788145
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LOC100138521	2.641585	2.185596
LOC100138527	3.408107	5.931087
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LOC100138575	6.221573	1.573894
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LOC100138737	1.681924	1.298477
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LOC100138752	3.637689	2.950886
LOC100138772	2.741288	1.36058
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LOC100138833	2.845277	2.374969
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LOC100138855	1.411781	3.485475
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LOC100138864	0.562776	0.497264
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LOC100138884	5.149716	3.246316
LOC100138885	1.190229	1.863606
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LOC100138902	1.272727	1.16432
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LOC100138942	1.78112	1.249142
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LOC100138976	0.975055	1.537554
LOC100138984	2.446386	2.686354
LOC100138985	1.336678	1.36844
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LOC100139019	3.562869	2.27663
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LOC100139155	1.178169	0.403082
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LOC100139192	9.012304	9.194051
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LOC100139588	3.836555	2.398877
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LOC100140121	2.952213	1.531531
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LOC100140223	5.75839	9.473657
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LOC100140226	2.229886	1.531615
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LOC100140412	0.560062	0.812626
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LOC100140446	1.895199	1.364362
LOC100140449	2.348646	1.938838
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LOC100141228	5.362088	6.629855
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LOC100196901	2.210067	4.143126
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LOC100294723	2.985699	1.345177
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LOC100294910	2.955464	1.586631
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LOC100295070	6.499089	3.84448
LOC100295083	1.280823	1.519937
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LOC100295130	2.261074	1.165658
LOC100295144	1.70802	1.259525
LOC100295149	2.826607	2.34961
LOC100295167	1.163705	1.277809
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LOC100295230	10.88829	9.0167
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LOC100295281	1.750922	1.06999
LOC100295296	1.438303	7.343703
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LOC100295347	4.310946	3.438995
LOC100295358	0.075752	0.079635
LOC100295371	1.563785	2.45545
LOC100295375	1.450216	2.461543
LOC100295381	2.107152	1.832908
LOC100295452	6.434236	5.183044
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LOC100295504	1.46574	1.072545
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LOC100295549	3.261083	3.749426
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LOC100295568	3.167786	3.199197
LOC100295585	1.38665	1.347324
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LOC100295703	1.304346	0.621762
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LOC100296156	4.035609	5.543002
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LOC100296624	9.382933	2.438542
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LOC100297150	1.190235	0.857453
LOC100297152	1.707326	1.145815
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LOC100297192	7.945556	5.577271
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LOC100298208	1.515762	2.410069
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LOC100298331	1.885442	1.296393
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LOC100299102	1.180392	1.611455
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LOC100299242	2.35642	1.821993
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LOC100299465	0.504394	0.213091
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LOC100299503	0.768402	2.71312
LOC100299529	1.967118	1.369061
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LOC100299601	1.673636	1.39096
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LOC100299712	6.126441	1.457825
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LOC100299770	1.580575	1.331164
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LOC100299808	2.802893	6.254509
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LOC100300814	6.882774	11.46033
LOC100300832	1.051991	1.607049
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LOC100335718	4.610613	6.519637
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LOC100335751	4.792705	4.146641
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LOC100336161	1.573815	1.736815
LOC100336163	2.484735	4.148633
LOC100336208	1.331845	2.539272
LOC100336222	4.690984	14.72533
LOC100336232	1.509184	0.846823
LOC100336258	2.866061	2.231833
LOC100336278	4.394015	3.050396
LOC100336282	1.320808	1.40734
LOC100336326	6.171355	6.360987
LOC100336368	0.739895	0.726798
LOC100336369	4.009648	2.190743
LOC100336374	2.884727	1.978659
LOC100336381	2.33409	2.99437
LOC100336401	5.930813	3.343994
LOC100336414	0.380694	0.219962
LOC100336420	0.975243	1.027374
LOC100336425	5.032959	5.690441
LOC100336431	6.267956	2.900611
LOC100336443	3.947546	3.589397
LOC100336448	1.836546	1.561178
LOC100336449	1.21164	0.700151
LOC100336469	2.254338	2.161728
LOC100336475	0.945029	0.666671
LOC100336476	0.617255	0.11323
LOC100336492	4.954636	3.994997
LOC100336495	1.661668	1.191936
LOC100336507	10.13506	11.66991
LOC100336531	2.939297	3.253982
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LOC100336539	1.42545	1.392829
LOC100336556	8.511951	3.479763
LOC100336562	0.397855	0.165155
LOC100336564	2.838335	2.214625
LOC100336566	3.381496	1.926371
LOC100336567	0.227803	0.327095
LOC100336589	1.299245	0.960813

LOC100336602	4.328636	3.585574
LOC100336631	1.062982	0.910606
LOC100336639	2.687621	2.286102
LOC100336643	2.176971	8.950884
LOC100336644	0.650814	0.712534
LOC100336647	1.097858	1.629825
LOC100336669	1.617897	1.747912
LOC100336672	2.298326	1.308741
LOC100336682	5.21759	7.269082
LOC100336734	0.346145	0.1048
LOC100336753	0.400806	0.540193
LOC100336757	2.359193	1.013196
LOC100336766	2.173452	2.091866
LOC100336774	2.752986	1.750401
LOC100336777	3.147595	2.419374
LOC100336795	2.403296	5.33464
LOC100336827	5.377323	4.175218
LOC100336836	1.671645	0.906325
LOC100336839	1.433242	1.660564
LOC100336843	3.576855	5.135073
LOC100336852	3.546914	1.661887
LOC100336868	0.898128	0.5665
LOC100336869	1.320855	1.044946
LOC100336876	1.984685	2.140349
LOC100336878	1.50322	1.402568
LOC100336896	7.690643	3.71457
LOC100336897	1.352133	0.879772
LOC100336901	8.487508	8.54928
LOC100336903	1.275086	1.287133
LOC100336907	3.082316	3.13966
LOC100336909	6.939885	8.628402
LOC100336916	3.659072	4.886536
LOC100336921	0.808817	0.456665
LOC100336939	0.669639	7.055644
LOC100336941	2.430261	1.841195
LOC100336944	1.115313	0.402639
LOC100336947	1.568644	0.511648
LOC100336956	4.691794	10.20488
LOC100336962	8.118408	5.685127
LOC100336971	2.17929	1.82959
LOC100336976	5.114383	2.83986
LOC100336980	2.983557	2.878514
LOC100336981	1.690861	0.836571
LOC100336982	0.753158	0.978831
LOC100336984	1.373674	1.216183
LOC100336993	0.477795	0.627858
LOC100337001	2.497243	2.038466
LOC100337009	2.014454	1.363997
LOC100337022	5.994787	7.726455
LOC100337031	2.342954	1.480051

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LOC100337053	3.778212	2.627521
LOC100337076	2.184195	2.236617
LOC100337081	2.487866	3.026988
LOC100337086	1.536573	0.947491
LOC100337103	1.85271	0.672452
LOC100337108	4.30288	4.058386
LOC100337130	0.938734	0.697792
LOC100337136	3.14111	1.975619
LOC100337142	1.085181	1.73109
LOC100337152	3.479813	4.470808
LOC100337155	0.641188	0.597264
LOC100337168	1.734037	0.931276
LOC100337171	3.087524	3.881082
LOC100337172	1.390497	1.910907
LOC100337177	3.330925	4.765704
LOC100337185	4.508588	4.037682
LOC100337195	3.219595	3.176286
LOC100337203	4.504775	0.491783
LOC100337213	9.579679	2.238973
LOC100337223	0.347988	0.118646
LOC100337234	2.008163	1.973678
LOC100337265	2.705263	2.368222
LOC100337274	1.104087	1.367101
LOC100337293	19.66244	4.677515
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LOC100337324	1.58239	17.24104
LOC100337328	2.877988	2.155465
LOC100337355	0.282681	0.301542
LOC100337362	3.189254	5.8298
LOC100337384	2.323928	1.625636
LOC100337390	3.067854	3.439714
LOC100337392	1.361816	1.779692
LOC100337419	3.520459	6.460461
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LOC100337442	1.670974	1.509352
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LOC100337495	1.83776	1.722068
LOC100337507	1.81463	0.67637
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LOC100616526	1.945691	1.450565
LOC100847104	5.323956	3.060223
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LOC100847114	1.157706	0.456394
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LOC100847118	2.961441	3.071399
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LOC100847122	0.2196	0.196228
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LOC100847148	3.300174	15.23413
LOC100847151	1.895006	1.050403
LOC100847153	7.430164	4.134341
LOC100847156	1.982958	1.685314
LOC100847158	15.17055	14.3168
LOC100847159	2.44739	2.059829
LOC100847171	1.088231	0.765664
LOC100847175	2.136909	3.275941
LOC100847180	1.221513	0.628499
LOC100847182	2.57931	1.554409
LOC100847183	2.923129	2.322802
LOC100847184	1.179804	1.117056
LOC100847189	1.71278	1.686747
LOC100847190	1.370839	1.010647
LOC100847192	1.869298	1.359996
LOC100847209	5.266829	27.26035
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LOC100847223	1.595655	1.33397
LOC100847236	1.527967	1.254699
LOC100847239	7.685456	2.692457
LOC100847240	0.585514	0.436788
LOC100847256	1.449212	0.551493
LOC100847257	3.286965	3.463041
LOC100847268	2.545847	2.169394
LOC100847269	1.523414	1.884584
LOC100847281	4.498627	3.017034
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LOC100847301	0.677698	0.430832
LOC100847304	2.764069	3.899828
LOC100847313	3.191722	1.758655
LOC100847317	1.728183	1.470718
LOC100847319	2.627438	3.802249
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LOC100847323	1.124205	2.744729
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LOC100847335	3.894887	2.701109
LOC100847339	4.762173	8.368149
LOC100847345	4.07983	0.310489
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LOC100847357	3.057777	1.786568
LOC100847358	2.013122	2.054647
LOC100847359	0.768185	0.713618
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LOC100847369	2.108582	0.772191
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LOC100847374	1.538695	3.764733
LOC100847376	4.055415	4.455553
LOC100847379	0.782018	0.337063
LOC100847382	3.217158	1.031095
LOC100847388	0.180226	0.099718
LOC100847410	1.958948	1.208007
LOC100847412	4.092953	3.943883
LOC100847415	3.545643	2.58317
LOC100847428	3.135065	2.101619
LOC100847453	1.55035	1.749028
LOC100847454	1.190347	1.427859
LOC100847455	1.686659	4.919816
LOC100847464	4.375691	5.121515
LOC100847467	0.960295	0.444189
LOC100847469	0.122543	0.081979
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LOC100847480	1.34017	1.775642
LOC100847490	2.167313	1.672126
LOC100847491	21.15765	16.93628
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LOC100847495	1.611685	0.722975
LOC100847501	2.005342	2.234773
LOC100847503	1.033725	0.354935
LOC100847506	1.172673	1.222511
LOC100847509	2.742426	2.259621
LOC100847522	4.62888	4.306215
LOC100847536	2.127272	2.429379
LOC100847546	1.510904	1.545027
LOC100847554	2.228791	2.338667
LOC100847561	5.151307	5.495504
LOC100847567	1.852067	2.069973
LOC100847572	0.989288	0.550801
LOC100847573	4.301834	5.251897
LOC100847585	2.42502	1.379446
LOC100847604	1.748466	2.568378
LOC100847606	2.748604	13.09486
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LOC100847609	0.634138	0.835488
LOC100847612	0.773902	0.336559
LOC100847613	1.091016	0.990541
LOC100847618	1.272905	0.703985
LOC100847628	2.00544	2.780727
LOC100847643	1.535848	1.38013
LOC100847644	2.665566	2.770616
LOC100847661	0.500033	0.241563
LOC100847666	2.256521	0.741754
LOC100847667	0.747136	2.700733
LOC100847672	0.320895	0.388309
LOC100847676	5.610538	3.492972

LOC100847677	3.484594	2.808053
LOC100847686	1.371929	1.162256
LOC100847695	1.810417	1.548735
LOC100847700	1.098989	0.985423
LOC100847702	5.091783	1.979208
LOC100847703	0.335483	0.212085
LOC100847708	5.922681	5.178866
LOC100847712	2.288295	2.330381
LOC100847713	1.06572	0.822712
LOC100847715	1.822941	0.409484
LOC100847716	1.17959	1.463672
LOC100847719	1.578663	0.862928
LOC100847720	5.904959	4.853354
LOC100847724	6.106398	2.293724
LOC100847729	2.687083	2.057423
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LOC100847745	3.794473	2.752116
LOC100847756	1.547173	2.272169
LOC100847759	3.206131	0.819633
LOC100847761	1.049095	0.977447
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LOC100847780	6.811686	5.682446
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LOC100847813	1.011892	0.889304
LOC100847815	2.480022	4.283342
LOC100847818	1.691391	1.003477
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LOC100847832	2.890992	3.668368
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LOC100847839	2.046978	0.937877
LOC100847841	1.302019	0.077897
LOC100847850	3.484196	1.692294
LOC100847861	6.017161	3.516137
LOC100847870	1.822455	1.121769
LOC100847874	4.755571	16.30998
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LOC100847917	0.208767	0.270678
LOC100847925	8.161933	5.968379
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LOC100847935	2.942009	2.70104
LOC100847941	8.784331	8.366226
LOC100847943	6.121055	2.421706

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LOC100847947	1.169301	1.275591
LOC100847951	6.846207	2.52271
LOC100847956	2.339167	1.991248
LOC100847958	3.489819	3.100663
LOC100847963	1.586276	2.623917
LOC100847970	3.335279	3.574638
LOC100847972	0.441817	0.406886
LOC100847981	0.511475	0.131563
LOC100847986	0.069374	0.04488
LOC100847995	2.889364	3.486724
LOC100847997	1.721118	2.455111
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LOC100848001	1.303461	3.646878
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LOC100848011	5.538752	3.194138
LOC100848017	1.299243	1.414375
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LOC100848027	1.25833	0.984846
LOC100848030	1.541373	1.854158
LOC100848035	3.637173	3.908257
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LOC100848049	8.682827	11.44294
LOC100848052	1.843037	2.518764
LOC100848056	0.96695	0.449817
LOC100848060	2.178146	2.469692
LOC100848063	1.473218	1.314191
LOC100848072	0.804384	0.73247
LOC100848074	1.708391	1.139507
LOC100848076	0.471541	0.477849
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LOC100848091	5.700051	3.103836
LOC100848093	3.625616	2.209489
LOC100848100	6.878185	5.010202
LOC100848105	3.692708	2.042831
LOC100848109	2.627595	1.933948
LOC100848114	1.576124	1.289895
LOC100848122	4.908511	3.204549
LOC100848132	2.545227	5.633873
LOC100848138	4.832231	3.705479
LOC100848148	2.835858	2.604952
LOC100848166	1.410625	0.718665
LOC100848171	1.232044	1.474763
LOC100848177	1.619967	0.936388
LOC100848180	1.103455	0.713183
LOC100848185	2.399748	1.613515
LOC100848188	2.233867	4.052605

LOC100848202	14.65151	20.39899
LOC100848205	2.450825	1.216042
LOC100848208	2.428465	3.166522
LOC100848212	0.823876	1.430585
LOC100848221	1.18804	0.580588
LOC100848226	4.11857	3.453663
LOC100848234	3.654402	3.759988
LOC100848238	0.503078	0.307314
LOC100848246	3.725253	1.354448
LOC100848253	2.312261	1.825179
LOC100848263	0.90743	0.550707
LOC100848264	0.488651	0.498133
LOC100848270	29.14772	14.13436
LOC100848277	0.61699	0.32557
LOC100848288	17.65834	8.016127
LOC100848294	5.537393	4.502753
LOC100848298	1.261941	1.551418
LOC100848307	0.431066	0.320529
LOC100848315	3.387104	4.588168
LOC100848319	0.438657	0.340187
LOC100848320	3.039173	0.490612
LOC100848324	5.059846	4.094272
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LOC100848331	2.324666	2.344149
LOC100848336	0.996362	0.428782
LOC100848339	1.246809	0.910637
LOC100848353	4.002906	3.497164
LOC100848357	3.239174	5.387489
LOC100848368	3.197405	1.458154
LOC100848369	3.437925	2.162255
LOC100848373	2.998848	2.612028
LOC100848379	1.258356	0.900398
LOC100848383	1.060395	0.831819
LOC100848385	1.163334	0.716255
LOC100848387	7.613629	5.027177
LOC100848388	1.600701	1.13143
LOC100848405	13.97818	7.078341
LOC100848407	1.005923	0.841911
LOC100848409	3.596762	4.673743
LOC100848419	0.993731	0.740986
LOC100848439	3.291433	1.629006
LOC100848441	0.783211	0.719728
LOC100848443	5.822591	8.130901
LOC100848447	3.708183	12.81201
LOC100848463	1.678111	1.379865
LOC100848469	2.17445	1.617132
LOC100848472	1.110855	1.528477
LOC100848475	0.013893	0
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LOC100848492	3.332321	2.164123
LOC100848495	3.435734	2.658299
LOC100848499	5.05985	10.25924
LOC100848503	10.29769	10.99973
LOC100848504	3.846554	4.515251
LOC100848507	1.240198	0.76889
LOC100848517	1.261656	1.817562
LOC100848522	1.640153	2.258443
LOC100848523	0.567075	0.46746
LOC100848527	1.556495	1.762776
LOC100848532	2.319909	0.830129
LOC100848536	3.954489	3.684787
LOC100848538	2.297282	2.075315
LOC100848540	0.989492	0.72094
LOC100848546	1.351245	0.855086
LOC100848551	0.485834	0.252889
LOC100848555	0.495948	0.141275
LOC100848559	1.092596	0.958193
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LOC100848569	2.110551	2.021365
LOC100848570	4.320681	5.102055
LOC100848572	3.116417	5.237491
LOC100848574	1.65246	2.603467
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LOC100848581	4.440661	5.709531
LOC100848584	2.885873	1.569373
LOC100848596	0.220342	0.165455
LOC100848598	2.615008	2.593763
LOC100848604	1.531585	0.893203
LOC100848610	0.104137	0.320163
LOC100848611	3.488493	30.11621
LOC100848612	2.383335	2.842293
LOC100848624	0.195759	0.137196
LOC100848627	1.126812	1.091053
LOC100848634	1.005821	0.356056
LOC100848635	4.88474	5.335946
LOC100848639	1.964812	1.370643
LOC100848642	2.091576	2.504998
LOC100848648	0.773457	0.562918
LOC100848652	0.64265	1.049192
LOC100848658	0.088794	0.028722
LOC100848665	0.252052	0.313149
LOC100848668	1.027191	0.862733
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LOC100848684	2.655513	2.127785
LOC100848685	2.148915	2.197142
LOC100848686	1.508624	0.644928
LOC100848689	1.995821	2.264143
LOC100848690	4.351892	4.484337

LOC100848694	1.649397	2.813937
LOC100848699	9.800009	5.629365
LOC100848703	3.222179	3.973601
LOC100848709	0.67557	0.386221
LOC100848715	2.098478	1.683471
LOC100848721	1.237877	1.321856
LOC100848724	1.970797	2.275903
LOC100848752	3.169169	3.251957
LOC100848757	1.414391	0.683491
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LOC100848770	1.129958	0.842436
LOC100848774	2.017573	1.194881
LOC100848775	0.576486	0.929529
LOC100848785	0.579969	0.482825
LOC100848790	2.303574	2.369058
LOC100848799	3.268845	0.54747
LOC100848804	3.63431	3.040283
LOC100848815	0.211614	0.253359
LOC100848817	3.724212	6.864674
LOC100848820	0.708279	3.208182
LOC100848825	1.282858	1.258148
LOC100848847	0.127723	0.030516
LOC100848850	1.438109	1.276568
LOC100848851	1.252476	1.906753
LOC100848853	2.755535	2.082287
LOC100848862	0.82303	0.262549
LOC100848863	1.183266	2.071799
LOC100848869	0.913617	0.954322
LOC100848872	1.25857	0.62584
LOC100848875	9.74171	4.568697
LOC100848878	1.660567	0.912554
LOC100848883	2.171039	1.55178
LOC100848886	4.624068	17.1694
LOC100848895	4.964719	2.88601
LOC100848906	2.559977	1.812186
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LOC100848921	1.43484	1.70941
LOC100848930	3.506795	1.186176
LOC100848932	2.010421	0.865432
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LOC100848955	6.697981	2.947322
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LOC100849008	2.825261	1.591473
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LOC100849014	1.308824	0.835799
LOC100849017	0.677945	0.464402
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LOC100849037	1.680118	1.165664
LOC100849043	1.006607	1.122281
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LOC100849068	0.619349	0.300506
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LOC100849080	1.903016	2.522396
LOC100849237	0.853572	0.563663
LOC100849301	0.348973	0.05159
LOC100849367	0.785156	0.793034
LOC100849368	7.171509	5.232014
LOC100849486	0.846611	0.137061
LOC100849587	2.272449	1.41098
LOC100849610	2.465862	2.152585
LOC100849652	2.111788	1.991168
LOC100849681	1.925284	2.486742
LOC100849762	1.128071	17.36671
LOC100849865	0.218267	0.283445
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LOC100850308	2.029236	1.852725
LOC100850347	1.244196	2.501319
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LOC100850437	3.084475	1.880173
LOC100850659	4.198356	8.502178
LOC100850808	0.13328	0.109652
LOC100850875	4.820176	2.447076
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LOC100851323	1.799414	3.005321
LOC100851369	0.910549	0.657745
LOC100851523	0.395724	0.537125
LOC100851552	1.851915	0.257004
LOC100851681	2.608692	2.664561
LOC100851938	0.766518	0.600556
LOC100852061	1.014561	0.502369
LOC100852077	1.437144	0.720016
LOC100852257	1.555552	1.049514
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LOC101901912	0.585572	0.884074
LOC101901915	3.493372	1.724743
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LOC101901919	1.596749	2.297793
LOC101901923	3.308539	0.790232
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LOC101901937	1.624072	0.744087
LOC101901940	0.614925	0.235973
LOC101901943	0.592789	0.556407
LOC101901945	8.72381	2.991505
LOC101901948	0.725573	0.2335
LOC101901950	1.99134	1.654644
LOC101901951	0.728922	1.235133
LOC101901960	30.14635	10.23913
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LOC101901964	2.098242	2.869908
LOC101901970	2.577237	1.340231
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LOC101901983	1.933043	1.4389
LOC101901989	2.645806	4.354665
LOC101901997	1.521915	0.813523
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LOC101902022	1.140651	0.942857
LOC101902029	2.01641	0.368185
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LOC101902036	1.992126	1.993071
LOC101902037	1.084815	0.289938
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LOC101902055	4.54444	4.727345
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LOC101902066	1.721409	0.783281
LOC101902067	1.905233	1.85099
LOC101902083	0.159435	0.027935
LOC101902084	1.78663	2.368268
LOC101902090	8.309822	5.435165
LOC101902096	3.932718	2.100508
LOC101902100	0.084636	0.132026
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LOC101902111	1.313216	2.630586

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LOC101902130	1.505351	1.139739
LOC101902131	2.811512	7.621333
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LOC101902154	0.056124	0.038351
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LOC101902172	4.251092	3.332259
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LOC101902180	1.048975	0.848266
LOC101902189	1.863611	3.54093
LOC101902198	1.867811	0.787565
LOC101902201	1.289437	1.463976
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LOC101902207	2.741243	4.372165
LOC101902211	1.65687	1.834621
LOC101902212	3.32083	2.623298
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LOC101902219	2.353709	1.778152
LOC101902221	1.056224	1.287293
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LOC101902228	1.26468	0.719498
LOC101902232	17.76335	10.17771
LOC101902234	0.853033	0.42327
LOC101902235	0.136726	0.170684
LOC101902237	0.357184	0.425783
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LOC101902249	2.020971	1.31829
LOC101902260	1.113098	1.264109
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LOC101902272	1.572529	1.624134
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LOC101902280	14.88957	7.382122
LOC101902283	0.443292	0.928726
LOC101902287	4.532782	0.651756
LOC101902288	1.093439	0.83449
LOC101902290	4.213694	8.707036
LOC101902292	1.156678	1.460616
LOC101902293	4.105589	1.676261
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LOC101902325	1.536598	1.234886
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LOC101902360	5.524398	2.334726
LOC101902361	1.231458	0.95778
LOC101902363	5.855312	3.04973
LOC101902366	0.857547	1.218726
LOC101902371	1.589997	1.056388
LOC101902375	5.034587	2.905774
LOC101902381	5.268211	6.20992
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LOC101902389	1.111101	0.953912
LOC101902390	1.686994	0.604985
LOC101902407	5.93894	5.473084
LOC101902413	0.205246	0
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LOC101902428	28.78984	18.02489
LOC101902430	1.114259	1.458118
LOC101902435	5.58324	4.592311
LOC101902438	2.991186	2.701056
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LOC101902449	0.205685	0.207439
LOC101902451	3.261646	3.31552
LOC101902455	2.461106	1.593129
LOC101902458	7.964146	22.92403
LOC101902460	1.275871	0.980288
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LOC101902468	0.442119	0.226581
LOC101902469	0.00829	0
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LOC101902475	3.176246	3.433118
LOC101902479	2.142756	2.38449
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LOC101902504	1.154464	0.864655
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LOC101902535	1.513352	3.560573
LOC101902537	2.073469	0.343195
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LOC101902551	3.536107	2.789345
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LOC101902622	1.643122	2.103821
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LOC101902664	1.948041	2.137044
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LOC101902669	1.223846	1.59536
LOC101902672	1.841069	1.391647
LOC101902675	0.513237	0.409781
LOC101902679	2.562282	5.179758
LOC101902681	2.849369	1.387673
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LOC101902701	4.79982	4.137091
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LOC101902749	2.624579	1.646969
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LOC101902754	1.341795	1.653357
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LOC101902852	0.92982	0.522447
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LOC101902951	1.962236	1.670754
LOC101902958	3.667776	3.308622
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LOC101903326	1.705205	0
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LOC101903368	3.548062	7.868749
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LOC101903383	2.195243	1.074163
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LOC101903449	2.356914	1.170748
LOC101903454	3.633398	2.778205
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LOC101903478	4.876573	5.668512
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LOC101903501	0.930773	0.870245
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LOC101903509	0.977008	1.14987
LOC101903510	3.38024	2.362277
LOC101903513	1.178227	1.190185
LOC101903526	1.016573	0.691448
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LOC101903534	1.689602	0.864995
LOC101903540	4.633544	1.845512
LOC101903545	2.499202	0.937615
LOC101903546	3.141619	2.07895
LOC101903557	15.85038	4.215142
LOC101903564	3.182569	2.508274
LOC101903567	1.148855	1.282067
LOC101903569	2.481435	2.204742
LOC101903572	0.618994	0.490585
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LOC101903586	2.205243	4.608899
LOC101903590	1.529654	1.391124
LOC101903598	0.456888	0.438698
LOC101903600	1.883158	2.726053
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LOC101903604	1.440403	2.51243
LOC101903615	1.36854	1.145745
LOC101903616	1.586471	2.415569
LOC101903620	4.07127	3.562929
LOC101903622	0.960106	0.800278
LOC101903629	1.28217	1.098157
LOC101903632	3.565905	1.455885
LOC101903633	0.323765	0.052815
LOC101903637	1.22883	1.331111
LOC101903639	1.561586	1.598276
LOC101903644	1.804887	1.964712
LOC101903645	2.362041	2.173823
LOC101903647	1.896092	2.89804
LOC101903649	0.083564	0.056843
LOC101903653	0.788489	1.249366
LOC101903660	1.606637	1.440227
LOC101903665	0.237597	0.16162

LOC101903668	3.047555	3.752697
LOC101903678	2.114581	1.570523
LOC101903682	4.221056	2.069781
LOC101903685	6.314232	3.614166
LOC101903687	1.515061	0.446507
LOC101903691	0.814519	1.818012
LOC101903692	0.403594	0.642724
LOC101903699	0.440129	0.471622
LOC101903702	1.193572	1.482891
LOC101903704	5.058958	3.211562
LOC101903709	1.909388	1.373439
LOC101903713	0.236893	1.227392
LOC101903717	4.936056	5.361781
LOC101903722	1.558577	1.33026
LOC101903733	2.370398	5.14642
LOC101903734	0.257456	0.235188
LOC101903738	1.615315	1.768644
LOC101903744	0.259317	0.180902
LOC101903749	0.312789	0.302305
LOC101903752	0.509543	0.41368
LOC101903754	1.425833	2.37575
LOC101903755	0.647781	0.884785
LOC101903757	1.436002	0.76579
LOC101903758	1.166147	0.820462
LOC101903761	1.931792	0.743323
LOC101903773	3.230895	1.555906
LOC101903783	1.15884	0.242135
LOC101903793	1.239248	0.749715
LOC101903794	8.276151	5.226187
LOC101903795	0.453214	0.242634
LOC101903806	2.19632	4.30394
LOC101903811	1.116066	0.403226
LOC101903820	1.159742	0.607134
LOC101903828	0.420207	0.349404
LOC101903831	5.663892	15.24558
LOC101903832	0.489055	0.391348
LOC101903835	0.899453	1.571991
LOC101903836	7.762925	1.047372
LOC101903840	0.206188	0.038028
LOC101903851	1.305379	0.920222
LOC101903853	0.451991	0.411806
LOC101903854	1.317994	1.164749
LOC101903857	0.13362	0.092032
LOC101903858	2.363349	1.684837
LOC101903859	5.402768	6.498339
LOC101903865	2.045848	0.485464
LOC101903868	4.225775	3.619597
LOC101903873	1.884281	1.544872
LOC101903874	0.652573	0.429655
LOC101903877	3.887632	5.695985

LOC101903890	3.256608	0.832339
LOC101903891	2.898056	1.957661
LOC101903896	0.73125	0.706122
LOC101903899	0.834912	0.262787
LOC101903900	1.502825	1.463399
LOC101903905	2.679329	3.059498
LOC101903906	0.422742	0.219393
LOC101903913	0.488306	0.47227
LOC101903916	5.621009	2.308634
LOC101903923	2.050458	1.823778
LOC101903925	1.094794	0.901317
LOC101903928	0.010429	0.027409
LOC101903929	4.228795	3.796882
LOC101903932	1.267167	1.372395
LOC101903933	2.30232	1.940383
LOC101903945	1.897972	2.078954
LOC101903949	0.386603	0.163994
LOC101903951	1.207332	1.448387
LOC101903953	0.472325	2.02208
LOC101903969	0.361011	0.187085
LOC101903974	1.742579	3.750451
LOC101903976	1.015179	0.929309
LOC101903988	14.47818	15.34042
LOC101903989	1.137021	1.702278
LOC101903991	0.45283	0.275603
LOC101903992	0.021613	0.002525
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LOC101904010	7.899045	3.010969
LOC101904012	1.394797	0.680403
LOC101904013	1.727736	0.971509
LOC101904021	0.641124	0.358428
LOC101904022	1.115673	0.243424
LOC101904027	2.606107	1.675228
LOC101904039	2.677672	1.718085
LOC101904042	2.79464	1.78419
LOC101904043	1.463107	1.465666
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LOC101904050	7.028719	4.446571
LOC101904057	17.87193	29.39579
LOC101904059	3.824649	3.964744
LOC101904062	0.467227	0.257444
LOC101904069	2.041891	0.961875
LOC101904071	0.900099	0.429312
LOC101904074	1.926015	2.424982
LOC101904075	0.116496	0.045569
LOC101904077	0.963807	0.05123
LOC101904078	3.405692	2.842863
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LOC101904097	0.688315	0.592035
LOC101904098	0.947772	0.720768
LOC101904101	1.221771	1.039375
LOC101904103	1.977294	1.399613
LOC101904107	3.171887	3.285178
LOC101904113	10.94282	5.262772
LOC101904121	2.750599	2.3886
LOC101904123	0.571579	2.042986
LOC101904128	1.577671	1.353021
LOC101904130	1.599433	1.791963
LOC101904131	1.693194	4.528417
LOC101904133	5.094064	3.415923
LOC101904148	4.838054	5.332014
LOC101904151	0.844537	0.5174
LOC101904156	3.026299	4.567366
LOC101904157	1.404962	1.684412
LOC101904166	0.006767	0.004742
LOC101904168	0.810378	0.781965
LOC101904173	1.575664	0.533291
LOC101904174	2.0001	1.982225
LOC101904177	2.132503	1.281547
LOC101904185	2.472377	2.374222
LOC101904186	2.649542	2.337954
LOC101904187	2.952733	1.158242
LOC101904189	1.476897	1.372011
LOC101904191	3.589541	1.894238
LOC101904209	1.805539	1.202124
LOC101904211	1.43117	1.553699
LOC101904219	2.266543	1.923076
LOC101904227	0.673532	0.031123
LOC101904235	0.382031	0.124639
LOC101904239	0.068544	0.014412
LOC101904248	0.168338	0.271623
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LOC101904252	2.330348	0.123852
LOC101904254	1.068362	1.062802
LOC101904258	1.930931	1.733532
LOC101904265	0.455379	0.447636
LOC101904266	1.309149	1.196588
LOC101904268	1.257459	2.573797
LOC101904270	2.064787	1.576766
LOC101904275	3.389245	1.976464
LOC101904290	1.529016	0.777992
LOC101904303	1.196024	0.90365
LOC101904305	5.335336	2.727083
LOC101904307	2.43753	2.060734
LOC101904308	1.840972	1.553521
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LOC101904323	0.71925	0.091651
LOC101904324	0.674441	0.283605
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LOC101904335	3.478985	6.578561
LOC101904339	2.114784	1.588311
LOC101904344	4.877993	3.192313
LOC101904350	2.16336	1.681478
LOC101904351	1.371856	1.049765
LOC101904352	1.696473	0.342968
LOC101904355	0.183946	0.079108
LOC101904356	1.57603	1.549926
LOC101904357	2.366636	1.426763
LOC101904360	0.5243	0.358028
LOC101904366	0.73709	0.397814
LOC101904370	0.477928	0.616523
LOC101904371	0.585729	0.423783
LOC101904374	12.65389	8.63346
LOC101904375	2.321866	2.163882
LOC101904376	1.97925	0.905557
LOC101904377	1.273072	2.57553
LOC101904378	0.250982	0.800487
LOC101904381	1.454723	1.00837
LOC101904382	1.07259	0.284656
LOC101904383	1.764708	0.862192
LOC101904386	0.71978	7.882916
LOC101904393	4.7128	4.038468
LOC101904396	1.974466	1.074445
LOC101904397	0.121102	0.063655
LOC101904398	1.759094	2.481174
LOC101904405	2.850563	2.77947
LOC101904409	1.059035	1.443555
LOC101904411	1.434162	1.028072
LOC101904412	1.492775	1.455343
LOC101904413	1.469007	0.907978
LOC101904435	1.4806	2.381548
LOC101904442	1.533345	1.508666
LOC101904444	0.669537	0.453597
LOC101904447	0.851783	1.887967
LOC101904449	2.34782	4.084757
LOC101904455	3.91225	2.732706
LOC101904460	3.203945	2.507605
LOC101904466	1.300587	1.052076
LOC101904468	0.411712	0.769081
LOC101904477	1.5807	0.836365
LOC101904481	0.396455	0.047632
LOC101904492	0	0.00404
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LOC101904500	3.477526	1.935415
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LOC101904520	1.143233	1.244489
LOC101904526	0.092006	0.032241
LOC101904527	0.464701	0.4832
LOC101904529	7.0213	3.311293
LOC101904536	1.107451	1.312056
LOC101904537	0.764427	0.615922
LOC101904538	1.680198	2.3575
LOC101904548	0.89956	0.422534
LOC101904550	1.175517	2.062682
LOC101904552	6.231735	0.361235
LOC101904554	1.652122	1.567859
LOC101904557	0.729595	0.468719
LOC101904563	1.542961	2.382304
LOC101904564	1.634414	1.602181
LOC101904569	0.324892	2.326531
LOC101904570	2.160699	1.17927
LOC101904573	4.140881	3.078362
LOC101904574	0.912332	1.053172
LOC101904579	4.291216	1.920075
LOC101904580	13.35064	7.163514
LOC101904587	2.668631	2.448025
LOC101904590	0.915805	0.895745
LOC101904591	4.262737	1.954492
LOC101904592	0.308469	0.062362
LOC101904595	0.517813	0.439133
LOC101904596	1.508621	1.346328
LOC101904601	1.548691	1.146636
LOC101904602	2.755074	5.79467
LOC101904605	0.429221	0.199648
LOC101904607	0.438591	0.318683
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LOC101904614	2.451156	0.487677
LOC101904622	3.558787	3.365516
LOC101904625	4.453532	4.045221
LOC101904627	1.122075	0.593651
LOC101904633	4.302141	2.646924
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LOC101904642	0.977424	0.72597
LOC101904644	1.725255	2.130665
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LOC101904647	2.244321	2.719993
LOC101904656	12.24036	10.64825
LOC101904659	3.14409	4.948177
LOC101904667	0.249584	0.213617
LOC101904668	0.911783	1.177575
LOC101904673	0.72632	0.641739
LOC101904680	1.658387	1.457346
LOC101904690	1.745441	1.548866

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LOC101904699	2.500487	2.21578
LOC101904701	0.834455	0.471347
LOC101904702	1.927947	1.204012
LOC101904705	3.103675	2.780769
LOC101904714	0.760766	0.514371
LOC101904715	2.867839	2.580302
LOC101904718	2.371064	2.075394
LOC101904719	4.21409	2.375802
LOC101904722	1.306531	1.306988
LOC101904726	4.195416	9.522424
LOC101904728	1.442751	1.868138
LOC101904731	10.74803	8.07209
LOC101904740	0.082046	0.061608
LOC101904744	3.249706	1.983824
LOC101904749	3.460919	3.570268
LOC101904753	1.65342	0.903169
LOC101904756	0.057812	0.11721
LOC101904757	26.84141	7.393879
LOC101904759	0.207294	2.303249
LOC101904765	0.546137	0.304077
LOC101904767	0.362153	1.568463
LOC101904768	0.535527	0.175149
LOC101904769	1.930241	1.39632
LOC101904776	0.652613	0.920251
LOC101904784	0.414348	0.542099
LOC101904790	10.80201	9.139408
LOC101904794	0.03044	0.035201
LOC101904795	3.673797	3.243786
LOC101904796	4.431216	3.412296
LOC101904797	0.596633	0.079178
LOC101904802	3.084539	2.505032
LOC101904810	0.320974	0.102695
LOC101904822	0.231955	1.394676
LOC101904824	0.056035	0.027721
LOC101904825	1.610711	1.222407
LOC101904827	1.800474	1.521424
LOC101904831	2.549385	3.477416
LOC101904836	2.705456	2.76824
LOC101904840	3.757691	2.786779
LOC101904842	0.437301	0.097639
LOC101904849	0.875806	0.66495
LOC101904854	2.178541	1.631384
LOC101904855	1.15402	0.975417
LOC101904856	0.31585	0.350835
LOC101904857	1.282937	1.217171
LOC101904862	4.466234	4.497481
LOC101904867	0.113306	0.119114
LOC101904871	0.208483	0.161995

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LOC101904878	0.57235	0.55499
LOC101904879	2.771245	3.718434
LOC101904883	2.008329	4.381282
LOC101904890	1.913995	2.444297
LOC101904891	0.481901	0.787045
LOC101904896	3.620801	4.39496
LOC101904899	0.056059	0.058932
LOC101904901	0.275622	0.227034
LOC101904902	0.783153	5.832513
LOC101904903	2.939043	3.238689
LOC101904911	0.76462	0.784479
LOC101904912	0.11816	0.162862
LOC101904916	1.314548	0.686156
LOC101904919	0.71022	1.120675
LOC101904923	2.389262	2.256831
LOC101904927	4.80079	6.254927
LOC101904939	2.009124	0.993178
LOC101904942	1.35092	1.188697
LOC101904944	5.952731	5.837339
LOC101904946	4.375248	4.408821
LOC101904947	2.164211	1.15481
LOC101904948	8.704381	4.335905
LOC101904955	1.835465	0.154117
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LOC101904963	1.302045	1.07993
LOC101904976	0.669373	0.387235
LOC101904981	0.546043	0.799883
LOC101904984	3.98156	3.248476
LOC101904987	1.209875	3.106888
LOC101904992	2.382362	1.903727
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LOC101905008	4.575864	4.265898
LOC101905010	4.099408	4.879748
LOC101905014	0.654078	0.524752
LOC101905017	1.757125	0.918111
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LOC101905027	1.152403	0.361902
LOC101905029	2.309494	1.676336
LOC101905033	0.728135	0.56931
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LOC101905049	13.56942	11.36764
LOC101905052	0.356135	0.11152
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LOC101905088	0.251046	0.18083
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LOC101905123	0.584403	0.296077
LOC101905125	0.761928	0.031801
LOC101905127	0.478687	0.15994
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LOC101905131	5.42633	6.582945
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LOC101905151	0.790288	0
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LOC101905155	4.449492	4.851962
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LOC101905170	4.388964	3.533428
LOC101905172	3.728671	1.250604
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LOC101905219	6.794352	4.684326
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LOC101905242	1.157248	0.232331
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LOC101905262	0.908253	2.458086
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LOC101905293	0.143866	0.219299
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LOC101905309	4.829517	3.328721
LOC101905312	2.520651	2.280786
LOC101905316	0.781866	1.265095
LOC101905319	2.763309	4.239173
LOC101905320	0.287634	0.169405
LOC101905327	0.470145	0.215053
LOC101905335	1.381939	1.46677
LOC101905339	1.132154	1.419659
LOC101905340	3.458822	1.590803
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LOC101905351	2.483978	1.800012
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LOC101905354	0.1717	0.133227
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LOC101905365	0.30374	0.333824
LOC101905367	0.964017	0.377249
LOC101905376	2.390773	1.525891
LOC101905381	2.158778	15.02324
LOC101905390	0.74575	0.331408
LOC101905394	13.75899	12.49121
LOC101905398	1.826511	2.606599
LOC101905399	0.765159	0.842086
LOC101905403	0.968967	0.882295
LOC101905407	1.175163	1.325397
LOC101905422	2.790585	3.344276
LOC101905424	1.311839	1.175833
LOC101905427	0.234673	0.031494
LOC101905431	0.903494	3.399736
LOC101905450	2.077224	1.570016
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LOC101905484	0.793553	0.404138
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LOC101905493	0.64615	0.322654
LOC101905498	0.373863	0.347926
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LOC101905509	2.703727	1.501603
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LOC101905512	1.805019	1.059602
LOC101905513	2.812705	0.523402
LOC101905514	4.703226	1.946674
LOC101905517	4.302089	1.599685
LOC101905518	1.720693	1.274519
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LOC101905538	1.973164	2.791025
LOC101905541	2.049255	3.574061
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LOC101905566	4.301964	3.919968
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LOC101905575	1.753502	0.976774
LOC101905581	1.952108	4.867194
LOC101905583	1.721515	1.1337
LOC101905586	2.277153	2.349548
LOC101905588	1.782722	1.723261
LOC101905590	0.226074	0.080636
LOC101905592	1.056431	4.229515
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LOC101905595	1.521499	1.609156
LOC101905597	0.995135	1.115386
LOC101905600	6.892177	3.99193
LOC101905607	7.031173	4.467612
LOC101905611	0.500445	0.473005
LOC101905616	0.815148	0.749816
LOC101905618	2.848025	0.433778
LOC101905621	3.799104	4.155433
LOC101905630	0.910618	0.538348
LOC101905635	0.782599	0.749139
LOC101905641	2.177243	1.304016
LOC101905644	0.108805	0.078638
LOC101905648	1.795437	2.122396
LOC101905651	5.339598	2.876609
LOC101905659	1.181558	0.882483
LOC101905664	2.800977	0.671344
LOC101905666	1.220457	0.880928
LOC101905668	1.833055	1.08336
LOC101905669	1.829748	3.080441
LOC101905670	1.551299	1.152332
LOC101905672	0.720967	0.013864
LOC101905675	3.963574	0.724436
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LOC101905682	3.347773	2.184798
LOC101905683	5.842411	4.314224
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LOC101905687	5.175558	2.517116
LOC101905702	0.67857	1.237394
LOC101905704	1.640381	1.435422
LOC101905706	2.431784	1.214801
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LOC101905728	4.300042	10.8759
LOC101905730	1.524546	1.924222
LOC101905734	0.292873	0.28736
LOC101905743	12.47681	15.34105
LOC101905744	0.86368	1.33752
LOC101905748	1.061652	0.793458
LOC101905757	0.044288	0.046558
LOC101905760	0.448949	0.302768
LOC101905770	3.722028	3.76674
LOC101905771	0.179749	0.125976
LOC101905775	1.352332	0.629194
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LOC101905786	2.790878	2.349186
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LOC101905795	1.123341	0.549049
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LOC101905801	6.959638	5.181023
LOC101905802	2.757959	2.751302
LOC101905813	8.453307	5.326568
LOC101905817	3.365126	1.436327
LOC101905818	0.414173	0.369266
LOC101905820	4.247393	1.808695
LOC101905821	0.905432	1.192354
LOC101905823	2.512727	1.826679
LOC101905824	1.715218	1.180452
LOC101905827	1.127988	1.452315
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LOC101905833	0.643836	0.720412
LOC101905838	2.405339	10.83123
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LOC101905851	0.452163	0.619128
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LOC101905866	1.532913	0.966894
LOC101905875	2.295446	1.21686
LOC101905876	4.809812	3.658153
LOC101905883	2.24486	1.854123
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LOC101905905	0.150664	0.079193
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LOC101905940	1.503755	1.250532
LOC101905951	3.879593	5.227501
LOC101905956	0.802023	0.826786
LOC101905960	1.620377	1.432719
LOC101905963	1.436602	1.211424
LOC101905966	1.140991	0.66429
LOC101905975	1.30538	0.810737
LOC101905977	0.594794	0.476022
LOC101905979	2.41342	1.89388
LOC101905981	0.797531	1.638424
LOC101905985	0.575301	0.320487
LOC101905990	0.872424	0.092847
LOC101905992	0.553847	0.139961
LOC101905995	2.683037	1.007346
LOC101905997	0.820344	1.331276
LOC101906001	2.612705	1.556553
LOC101906006	0.544935	0.603834
LOC101906008	2.878994	4.137025
LOC101906009	0.468804	0.311794
LOC101906010	1.712416	1.203426
LOC101906012	2.02567	3.379335
LOC101906016	2.51349	2.06934
LOC101906018	5.639574	4.739073
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LOC101906024	2.041801	3.966507
LOC101906030	1.394508	1.043109
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LOC101906041	0.317628	0.305288
LOC101906042	2.499264	6.130544
LOC101906044	0.66158	0.196552
LOC101906045	4.839447	10.52546
LOC101906048	0.027206	0.040041
LOC101906052	2.456446	2.321933
LOC101906053	2.675095	1.750691
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LOC101906065	1.431249	1.830769
LOC101906067	0.782997	0.427843
LOC101906072	0.941246	0.945916
LOC101906075	2.714771	3.603446
LOC101906077	2.068189	2.014551
LOC101906081	0.233737	0.14461
LOC101906082	0.729919	0.543528
LOC101906086	2.424746	3.451114
LOC101906094	5.678337	7.676249
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LOC101906131	0.333624	0.343915
LOC101906134	1.307612	0.779324
LOC101906135	1.028886	1.438194
LOC101906138	0.272603	0.443628
LOC101906142	0.321984	0.212385
LOC101906152	4.296672	2.41256
LOC101906153	6.361404	7.507719
LOC101906156	0.984092	0.570321
LOC101906160	1.654407	1.259182
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LOC101906171	0.297522	0.039717
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LOC101906173	4.097179	7.492283
LOC101906176	0.724063	0.698375
LOC101906177	0.188673	0.049586
LOC101906178	0.924857	1.339556
LOC101906182	1.741143	1.689999
LOC101906193	2.833251	1.334621
LOC101906195	0.675406	0.455761
LOC101906198	10.69847	20.65534
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LOC101906206	2.405062	2.203409
LOC101906207	0.805049	0.264474
LOC101906218	1.417335	0.532138
LOC101906221	5.508162	3.300424
LOC101906222	1.551122	0.210647
LOC101906226	0.668935	0.770657
LOC101906228	3.045724	1.649046
LOC101906230	0.650623	1.788205
LOC101906235	2.309974	1.444801
LOC101906240	1.034173	0.173099
LOC101906241	3.811085	3.302246
LOC101906243	1.913159	2.402438
LOC101906248	2.71286	3.014887
LOC101906254	1.658319	1.289142
LOC101906262	5.422012	6.984849
LOC101906266	1.004672	1.199891
LOC101906267	3.637736	3.118518
LOC101906271	0.569988	0.386584
LOC101906273	0.6369	1.08759
LOC101906276	2.856616	1.414562
LOC101906278	0.197416	1.037676
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LOC101906292	1.156601	2.108077
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LOC101906300	1.571858	1.032414
LOC101906304	0.329559	0.066234
LOC101906305	2.443034	1.255229
LOC101906311	0.13568	0.106976
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LOC101906315	0.688888	0.16752
LOC101906317	0.725847	0.73041
LOC101906318	0.994498	1.169609
LOC101906319	1.475932	1.744221
LOC101906324	0.382787	0.326277
LOC101906330	0.607924	2.103695
LOC101906333	1.426706	0.866879
LOC101906339	1.693373	2.01774
LOC101906342	0.021434	0.022533
LOC101906344	2.24681	1.573683
LOC101906347	0.37145	0.433879
LOC101906358	1.765527	1.516823
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LOC101906360	5.16005	2.797424
LOC101906363	3.666954	4.386805
LOC101906364	19.52968	10.2528
LOC101906366	2.35343	0.839683
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LOC101906383	0.778641	0.558105
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LOC101906397	2.518562	0.712455
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LOC101906410	1.690084	1.575077
LOC101906411	1.430987	1.068453
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LOC101906435	1.066794	1.111588
LOC101906441	3.74946	2.382665
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LOC101906447	0.71198	0.208399
LOC101906449	1.046842	1.360906
LOC101906451	0.146479	0.068194
LOC101906454	3.58894	0.895781
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LOC101906460	1.699563	2.447579
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LOC101906469	2.17712	2.328326
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LOC101906475	1.062773	0.968943
LOC101906477	2.027341	2.791036
LOC101906484	0.596704	0.548077
LOC101906485	0.530276	0.19675
LOC101906488	1.196597	1.037796
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LOC101906501	0.044458	0.016495
LOC101906502	1.388725	1.382934
LOC101906506	0.977711	1.220253
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LOC101906531	1.93901	1.86633
LOC101906544	1.714432	2.505797
LOC101906545	2.742542	3.716281
LOC101906546	2.779967	2.23774
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LOC101906564	1.920194	2.037793
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LOC101906581	2.01449	2.458272
LOC101906588	0.649164	3.050389
LOC101906592	2.185246	1.964174
LOC101906593	1.807298	0.811263
LOC101906595	1.349424	0.976436
LOC101906603	0.723847	1.649317
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LOC101906606	2.310304	1.932457
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LOC101906617	0.093484	0.104057
LOC101906632	0.936046	0.367628
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LOC101906646	1.785035	2.856402
LOC101906656	0.050444	0.072313
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LOC101906691	1.105084	1.046433
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LOC101906717	0.872892	0.796039
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LOC101906730	0.034996	0.057813
LOC101906731	1.444964	2.028726
LOC101906734	0.487352	0.409345
LOC101906736	1.687381	1.583645
LOC101906737	1.180468	0.409188
LOC101906739	1.964854	1.81487
LOC101906743	4.925242	3.731823
LOC101906754	0.673653	2.596271
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LOC101906791	4.262865	3.617569
LOC101906793	1.291524	1.428865
LOC101906811	5.368429	6.989157
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LOC101906836	1.192247	0.4151
LOC101906837	1.443669	2.496621
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LOC101906863	0.534392	0.2588
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LOC101906870	2.34216	1.818135
LOC101906880	2.699778	1.195282
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LOC101906936	2.194846	3.797163
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LOC101906952	0.41537	0.19949
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LOC101907107	6.090087	7.818914
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LOC101907126	1.798892	0.518681
LOC101907127	4.391051	3.514558

LOC101907132	0.992031	0.7675
LOC101907133	2.458046	1.666215
LOC101907137	2.413193	1.060098
LOC101907138	0.745771	0.660561
LOC101907140	0.608213	0.484244
LOC101907141	3.358817	4.942992
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LOC101907145	0.956248	0.35991
LOC101907152	2.229336	1.179024
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LOC101907165	0.111732	0.159876
LOC101907166	1.255813	1.109288
LOC101907169	2.238263	2.186047
LOC101907174	1.261488	0.90874
LOC101907189	0.347426	1.278324
LOC101907192	4.293739	1.807877
LOC101907194	1.027666	0.312262
LOC101907195	2.68012	5.723052
LOC101907203	2.789813	1.821128
LOC101907206	0.533214	0.543979
LOC101907213	1.207561	2.331738
LOC101907217	0.500957	0.352411
LOC101907219	0.20984	0.017955
LOC101907227	0.958039	0.643401
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LOC101907242	2.05021	2.236049
LOC101907246	1.079215	0.973857
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LOC101907255	2.49112	4.139333
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LOC101907264	1.707842	0.98401
LOC101907265	6.115345	2.370402
LOC101907275	16.94001	20.9886
LOC101907276	0.562554	0.269056
LOC101907294	0.638758	1.320711
LOC101907298	5.517166	0.712741
LOC101907299	0.259536	0.148436
LOC101907302	5.497883	3.206479
LOC101907306	2.517765	1.490385
LOC101907313	1.684945	0.709891
LOC101907315	0.893993	3.645789
LOC101907320	2.138762	1.754094
LOC101907322	2.160874	1.812534
LOC101907327	0.525237	0.838281
LOC101907330	0.718399	0.858095
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LOC101907342	0.641454	0.457471

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LOC101907348	0.814665	0.937367
LOC101907353	0.460263	0.207612
LOC101907357	0.191635	0.180027
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LOC101907388	0.152446	0.124283
LOC101907394	1.151718	1.496123
LOC101907404	1.256999	3.455685
LOC101907405	0.488575	0.144456
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LOC101907408	3.426905	1.741407
LOC101907410	1.434049	0.830345
LOC101907436	0.413162	1.022149
LOC101907450	1.435481	1.126812
LOC101907463	0.7452	1.016625
LOC101907464	2.415765	1.727681
LOC101907472	1.507499	0.641797
LOC101907481	0.713488	0.466031
LOC101907482	1.780773	2.028688
LOC101907483	1.329383	1.09906
LOC101907485	2.362734	9.622956
LOC101907487	0.420703	0.367669
LOC101907491	2.439798	1.398015
LOC101907501	1.44634	0.643967
LOC101907503	0.541915	0.87053
LOC101907513	3.037212	5.37566
LOC101907514	1.706333	1.934045
LOC101907515	2.843903	2.841536
LOC101907516	1.360091	3.056811
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LOC101907518	0.305875	0.565232
LOC101907523	0.345257	0.210131
LOC101907532	6.149043	3.926504
LOC101907539	2.245794	5.508252
LOC101907540	2.318796	2.305272
LOC101907544	3.039223	1.688042
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LOC101907549	0.886986	0.334769
LOC101907552	17.92476	6.611417
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LOC101907562	0.754079	0.805729
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LOC101907567	0.718135	0.499965
LOC101907570	0.798795	0.820029
LOC101907572	2.713123	5.277474
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LOC101907606	0.206336	0.105934
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LOC101907613	1.177795	1.371175
LOC101907615	2.974537	2.484101
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LOC101907622	2.694745	1.014104
LOC101907623	0.889046	0.727547
LOC101907627	8.309954	4.824736
LOC101907639	6.816555	6.826099
LOC101907641	6.296664	7.746141
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LOC101907658	1.257059	1.383103
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LOC101907665	3.313691	3.251767
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LOC101907670	2.729482	2.21757
LOC101907681	1.899121	1.054266
LOC101907682	5.136807	3.947658
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LOC101907693	0.345859	0.1823
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LOC101907707	1.198609	1.078068
LOC101907711	1.73223	0.520292
LOC101907713	1.20606	3.07498
LOC101907726	0.954693	1.032768
LOC101907729	8.778275	7.80107
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LOC101907741	1.650705	1.20338
LOC101907744	2.840635	2.030236
LOC101907747	0.296605	0.274392
LOC101907748	0.537765	0.594405
LOC101907749	7.038916	7.337918
LOC101907753	0.035538	0.024907
LOC101907758	1.864275	2.015357
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LOC101907797	0.130773	0.128311
LOC101907799	0.923287	2.337941
LOC101907800	0.342839	0.306558
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LOC101907807	0.354301	0.198646
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LOC101907820	1.519949	3.495824
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LOC101907838	0.150334	0.122354
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LOC101907852	3.277919	1.693659
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LOC101907855	5.725357	1.587767
LOC101907857	1.897422	2.846013
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LOC101907877	1.47999	1.947276
LOC101907883	1.733524	1.789529
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LOC101907911	1.457587	1.059939
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LOC101907957	1.453166	1.350843
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LOC101907967	1.766289	1.187058
LOC101907970	3.048749	2.543556
LOC101907975	1.775244	2.250098
LOC101907978	1.181662	1.657844

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LOC101907989	1.357652	1.052413
LOC101907995	0.424267	0.111504
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LOC101908024	2.660293	2.753348
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LOC101908094	1.507012	1.290971
LOC101908095	1.80249	0.298377
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LOC101908104	2.273882	2.5265
LOC101908108	8.392882	8.702525
LOC101908111	0.13251	0.139302
LOC101908113	2.659047	2.295634
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LOC101908131	0.826742	0.591002
LOC101908134	2.500435	2.543556
LOC101908144	1.724264	0.793034
LOC101908149	0.187173	0.080496
LOC101908154	4.040032	0.597676
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LOC101908166	4.628382	2.364366
LOC101908167	1.696222	1.249453
LOC101908174	1.029766	0.591318
LOC101908181	0.268729	0.142739
LOC101908182	0.333852	0.260199
LOC101908185	0.446173	0.363578
LOC101908195	0.676112	0.327179
LOC101908200	0.35269	0.241373
LOC101908204	1.723993	1.358632
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LOC101908227	4.704665	8.1288
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LOC101908531	5.642685	6.318038
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LOC104968724	0.097702	0.159201
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LOC104968807	0.642317	0.135048
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LOC104968990	1.577156	1.25875
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LOC104969035	3.542444	1.567487
LOC104969036	1.646484	1.474668
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LOC104969115	0.572626	0.472184
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LOC104969122	0.989941	0.075731
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LOC104969171	3.214162	3.198534
LOC104969173	0.105465	0.285096
LOC104969177	0.582921	0.681656
LOC104969184	1.890284	2.918871
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LOC104969192	1.293551	0.92292
LOC104969197	2.323512	2.045923
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LOC104969225	0.505673	0.364771
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LOC104971237	1.965048	4.172987
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LOC104973158	0.059577	0.035789
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LOC104973519	2.060544	2.85745
LOC104973526	1.325212	0.424266
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LOC104973699	0.303828	2.043885
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LOC104975162	1.034558	1.228226
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LOC104976304	6.358946	35.53522
LOC104976315	0.840039	0.53667
LOC104976318	0.512827	0.279492
LOC104976321	0.539615	0.454668
LOC104976327	0.980587	1.372237
LOC104976344	0.111765	0.056967
LOC104976350	1.231651	1.162389
LOC104976379	0.052339	0.027511
LOC104976380	2.612728	1.607086
LOC104976397	0.082824	0.033376
LOC104976448	0.174699	0.120943
LOC104976484	0.254756	0.101247
LOC104976573	0.345008	1.560901
LOC104976574	0.215039	0.06539
LOC104976575	0.540733	42.09958
LOC104976595	0.985724	0.572315
LOC104976614	0.0488	0.020521
LOC104976639	0.215933	0.15806
LOC104976640	1.196017	1.445579
LOC104976664	0.135429	0.628332
LOC104976682	3.253984	0.653408
LOC104976739	0.238455	0.145129
LOC104976775	0.665707	0.436561
LOC104976783	0.603748	0.476022
LOC104976804	0.572773	3.512789
LOC104976942	0.791456	0.393043
LOC104976949	2.952181	2.21023
LOC104976976	0.033968	0.010203
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LOC107131134	0.763158	0.024507
LOC107131149	0.960815	1.590076

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LOC107131158	0.497569	0.131906
LOC107131172	1.188395	0.92714
LOC107131187	0.018376	0.024147
LOC107131209	1.18574	0.662214
LOC107131211	0.609822	0.801352
LOC107131218	1.184315	1.637812
LOC107131224	0.928847	1.095029
LOC107131225	2.108728	1.322744
LOC107131228	0.885809	0.443645
LOC107131239	0.587568	0.193388
LOC107131253	0.418944	0.348665
LOC107131254	1.797597	1.168158
LOC107131258	0.469438	3.241601
LOC107131272	0.38382	0.526125
LOC107131273	1.438756	1.109172
LOC107131287	0.052309	0.013748
LOC107131289	0.365254	0.182352
LOC107131293	0.499433	1.180275
LOC107131296	1.024933	1.107526
LOC107131305	0.726273	0.390269
LOC107131308	1.066932	0.596491
LOC107131311	0.780373	0.18905
LOC107131315	1.592688	1.51546
LOC107131323	0.459667	0.506425
LOC107131324	0.661752	0.439477
LOC107131325	0.030191	0.026449
LOC107131326	1.114902	1.197167
LOC107131328	1.079788	0.740853
LOC107131330	3.336737	2.68104
LOC107131331	0.023874	0.087844
LOC107131332	0.582999	0.222867
LOC107131333	0.488444	0.259334
LOC107131335	0.89225	2.335072
LOC107131336	0.369202	0.187803
LOC107131338	0.31552	0.054955
LOC107131340	0.215324	0.171087
LOC107131341	0.441635	0.171424
LOC107131345	0.616839	0.628956
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LOC107131350	0.429192	1.086086
LOC107131351	0.564682	0.811788
LOC107131356	1.691548	1.611233
LOC107131357	0.657558	0.837198
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LOC107131363	1.713249	1.143466
LOC107131364	1.709025	0.609967
LOC107131365	1.663218	1.324482
LOC107131367	0.540677	0.44873
LOC107131368	0.353474	0.380656

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LOC107131371	0.80746	1.336276
LOC107131372	0.756994	0.497373
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LOC107131379	0.727424	1.922579
LOC107131382	1.616911	4.575866
LOC107131385	0.863355	0.844789
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LOC107131395	1.042279	2.821372
LOC107131398	0.116263	0.579104
LOC107131403	0.455731	0.083455
LOC107131404	0.641491	0.640011
LOC107131408	0.563859	0.909188
LOC107131416	1.924081	1.287407
LOC107131418	0.170719	0.183957
LOC107131419	0.196327	0.085248
LOC107131421	2.580043	1.67361
LOC107131422	1.320557	0.927553
LOC107131424	0.735081	1.007292
LOC107131425	0.336021	0.429669
LOC107131426	1.12181	0.503665
LOC107131428	1.834927	0.398144
LOC107131429	0.730736	0.35331
LOC107131434	0.685092	0.851157
LOC107131435	0.96496	0.747602
LOC107131441	0.105651	0.095569
LOC107131443	0.380183	0.610407
LOC107131447	0.083485	0.030976
LOC107131449	0.945267	1.494615
LOC107131452	0.800597	2.712845
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LOC107131455	1.670445	1.113049
LOC107131456	0.80865	0.573481
LOC107131458	1.00535	1.256671
LOC107131463	1.327824	0.254014
LOC107131465	0.409864	0.565002
LOC107131467	0.377732	0.166372
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LOC107131469	2.331739	1.30415
LOC107131470	2.378333	3.996538
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LOC107131473	1.027764	0.1716
LOC107131475	1.010389	2.051438
LOC107131476	0.485399	0.52036
LOC107131477	1.681542	4.556774
LOC107131481	0.454775	0.462497
LOC107131482	0.814625	0.981764
LOC107131483	0.003295	0.003464
LOC107131484	1.309688	0.710447

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LOC107131489	1.010538	0.671228
LOC107131491	0.350177	0.0775
LOC107131494	0	0
LOC107131496	0.206738	0.208642
LOC107131498	1.068598	0.895567
LOC107131501	5.607357	4.677111
LOC107131505	0.113977	0.082952
LOC107131506	0.292391	0.529375
LOC107131509	1.197464	1.066461
LOC107131510	0.920062	0.38689
LOC107131512	5.203457	5.595915
LOC107131515	0.130506	0.012472
LOC107131516	1.112226	0.823825
LOC107131519	4.345479	1.445141
LOC107131522	0.306384	0.244788
LOC107131524	0.600711	0.613962
LOC107131525	4.969058	8.012352
LOC107131526	0.172998	0.197022
LOC107131528	1.031637	0.716034
LOC107131530	4.085711	3.004675
LOC107131531	0.256927	0.258092
LOC107131533	1.039945	0.496765
LOC107131534	3.132886	2.460511
LOC107131535	0.036514	0.033587
LOC107131538	1.215451	1.075203
LOC107131541	0.404536	0.295772
LOC107131542	1.685771	0.952752
LOC107131544	0.336447	0.361686
LOC107131546	0.351567	0.163818
LOC107131547	0.63057	0.519058
LOC107131548	0.037536	0.107105
LOC107131549	0.458046	0.687479
LOC107131551	0	0
LOC107131552	1.709986	2.30472
LOC107131556	0.603352	0.551932
LOC107131559	3.196073	1.580428
LOC107131561	0.954278	0.420386
LOC107131562	0.638558	0.44156
LOC107131564	0.252946	0.372732
LOC107131566	0.433006	0.464012
LOC107131567	0.716619	1.376747
LOC107131570	2.450329	3.225578
LOC107131571	0.33165	0.208187
LOC107131573	0.554551	0.479725
LOC107131578	1.649581	6.169068
LOC107131579	0.018723	0.022963
LOC107131583	0.54239	1.053272
LOC107131584	0.01763	0.023166
LOC107131588	0.565258	0.483963

LOC107131589	0.421508	0.321032
LOC107131590	0.459804	0.25895
LOC107131592	0.163787	0.227664
LOC107131593	0.177477	0.124383
LOC107131596	0.608035	0.891175
LOC107131597	0.473211	0.327129
LOC107131598	1.033757	1.680667
LOC107131599	0.682698	0.477247
LOC107131601	1.479056	1.880618
LOC107131604	1.353236	1.410146
LOC107131605	3.019792	3.184034
LOC107131606	0.828578	2.534444
LOC107131607	1.232005	0.900606
LOC107131609	1.076419	0.285042
LOC107131611	0.478368	0.334804
LOC107131613	0.795048	0.637849
LOC107131614	0.898546	0.763547
LOC107131615	1.522445	1.653593
LOC107131617	1.497949	0.869399
LOC107131619	1.850497	0.67279
LOC107131620	4.724535	4.494439
LOC107131623	0.600148	0.066412
LOC107131625	3.267598	5.136644
LOC107131626	0.130234	0.021617
LOC107131631	0.746218	0.105376
LOC107131637	0.189248	0.08192
LOC107131639	1.557772	0.202753
LOC107131640	0.628394	3.909765
LOC107131642	0.0376	0.107801
LOC107131643	26.32793	10.88108
LOC107131647	0.0627	0.005493
LOC107131648	0.317091	0.390576
LOC107131649	5.641185	2.778732
LOC107131651	0.368186	0.236536
LOC107131652	0.555723	0.00508
LOC107131653	0.720315	0.876803
LOC107131656	1.720197	0.820822
LOC107131659	0.926795	0.110502
LOC107131660	24.14099	6.786833
LOC107131662	0.105003	0.087147
LOC107131663	0.049109	0.02065
LOC107131666	0.201974	0.225598
LOC107131671	1.623042	0.822454
LOC107131672	4.044435	3.514652
LOC107131675	0.639251	0.621811
LOC107131676	4.061787	0.606368
LOC107131677	0.427746	21.46028
LOC107131679	0.73764	0.727597
LOC107131684	0.52683	0.029149
LOC107131686	2.484982	0.618209

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LOC107131693	1.249361	0.760391
LOC107131694	0.010959	0.011521
LOC107131695	0.194361	0.705117
LOC107131697	0.790726	1.080106
LOC107131699	1.389571	3.274953
LOC107131703	0.192395	0.11262
LOC107131704	4.832565	1.943181
LOC107131705	3.158174	0.503151
LOC107131706	2.309769	0.705797
LOC107131707	0.518079	0.716626
LOC107131710	0.465164	0.163003
LOC107131711	0.338052	0.203876
LOC107131713	1.374541	0.751295
LOC107131715	0.938455	0.549219
LOC107131716	3.735131	3.659453
LOC107131722	0.484561	0.235107
LOC107131723	1.745763	2.052372
LOC107131724	3.439814	1.84706
LOC107131728	0.867203	0.100607
LOC107131731	0.868566	0.395672
LOC107131736	0.483297	0.22625
LOC107131737	1.238762	0.310894
LOC107131738	1.074053	0.693667
LOC107131741	0.043347	0
LOC107131744	5.523709	5.408344
LOC107131747	0.663919	0.594776
LOC107131749	0.004121	0.008664
LOC107131750	0.223338	0.143901
LOC107131751	13.11055	8.011587
LOC107131756	0.29739	0.444656
LOC107131761	0.431449	0.446308
LOC107131763	0.043141	0
LOC107131765	0.988728	1.570632
LOC107131767	0.313914	0.168781
LOC107131768	1.62461	0.865687
LOC107131769	0.373283	1.214147
LOC107131771	0.818116	0.642776
LOC107131772	1.432421	2.217025
LOC107131773	1.810668	2.374074
LOC107131774	1.395725	1.6234
LOC107131776	0.760142	0.331705
LOC107131779	3.991422	1.266041
LOC107131781	2.949698	3.472973
LOC107131782	0.826389	1.402244
LOC107131783	0.900303	0.442093
LOC107131785	0.070254	0.008206
LOC107131788	0.97928	1.318784
LOC107131790	0.361377	0.283316
LOC107131791	0.863964	0.596256

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LOC107131795	0.443175	0.478112
LOC107131798	0.884628	1.080604
LOC107131800	6.838174	15.2921
LOC107131802	1.531817	1.081405
LOC107131805	1.288009	0.883598
LOC107131807	0.5943	0.399849
LOC107131808	0.420956	0.303474
LOC107131810	0.452577	0.269607
LOC107131811	0.802674	1.557639
LOC107131812	0.080047	0.02805
LOC107131817	2.066952	1.533294
LOC107131818	1.271858	0.547384
LOC107131819	5.577342	6.623019
LOC107131820	1.45506	0.154039
LOC107131822	0.195896	0.07163
LOC107131823	8.741147	11.54619
LOC107131825	5.130252	2.808414
LOC107131831	3.858335	4.041215
LOC107131832	0.350758	0.044695
LOC107131834	1.754177	0.920558
LOC107131835	2.744535	11.31326
LOC107131840	6.229575	6.885624
LOC107131841	0.108497	0.027075
LOC107131843	1.155624	0.867758
LOC107131845	0.09815	0.103182
LOC107131846	0.780438	0.436874
LOC107131848	1.496586	1.358344
LOC107131849	1.429033	1.108783
LOC107131851	0.191403	0.086419
LOC107131853	0.639911	0.394506
LOC107131854	2.232591	1.542457
LOC107131856	1.308778	0.121675
LOC107131857	5.611139	3.569487
LOC107131858	0.68373	0.681089
LOC107131859	1.410559	0.587308
LOC107131861	0.599985	0.072272
LOC107131862	1.363789	0.750104
LOC107131863	4.437105	3.411809
LOC107131864	0.680411	0.712008
LOC107131866	0.008425	0
LOC107131869	1.192851	0.880044
LOC107131871	9.011672	2.337817
LOC107131872	0.256537	0.159159
LOC107131873	2.216053	0.827056
LOC107131874	0.232988	0.078896
LOC107131876	1.770068	2.732005
LOC107131877	2.414732	2.516454
LOC107131878	0.664555	0.464952
LOC107131880	0.348636	0.548341

LOC107131881	1.085014	0.401333
LOC107131882	1.148145	0.967711
LOC107131883	0.133815	0.211012
LOC107131885	1.902057	2.285208
LOC107131887	0.336146	0.004502
LOC107131893	0.233311	0.337528
LOC107131895	3.684918	2.251193
LOC107131896	1.087784	0.30065
LOC107131898	1.026561	4.084434
LOC107131899	0.326085	0.218258
LOC107131904	0.698798	0.74223
LOC107131906	1.073965	0.961633
LOC107131907	1.392999	0.585762
LOC107131912	0.292375	0.243525
LOC107131913	1.397852	2.590295
LOC107131918	0.044693	0.080917
LOC107131919	0.198297	0.394509
LOC107131925	0.045331	0.06354
LOC107131926	2.480724	4.063901
LOC107131929	2.549228	2.521314
LOC107131930	0.863383	0.753777
LOC107131932	1.313944	1.701176
LOC107131933	0.194701	0.178148
LOC107131935	0.913107	1.443758
LOC107131936	2.275402	1.637029
LOC107131937	2.791971	5.381692
LOC107131939	0.602462	0.260994
LOC107131940	0.486622	0.442505
LOC107131941	0.781789	0.165495
LOC107131942	0.315326	0.34292
LOC107131944	0.213778	0.209414
LOC107131946	6.061515	0.816575
LOC107131948	0.499823	0.471882
LOC107131949	2.170436	1.628322
LOC107131950	0.707343	0.939848
LOC107131952	0.063862	0.053149
LOC107131957	1.150405	1.566638
LOC107131958	0.625644	0.260125
LOC107131959	0.279001	0.111099
LOC107131960	0.17853	0
LOC107131962	0.479913	0.47251
LOC107131963	0.571228	0.286607
LOC107131968	0.717775	0.619673
LOC107131971	0.81153	1.007916
LOC107131974	2.975018	3.697139
LOC107131975	0.637016	0.475868
LOC107131985	0.744272	0.511348
LOC107131987	0.18368	0.12873
LOC107131989	0.204836	0.172269
LOC107131991	1.579142	1.487861

LOC107131992	0.617462	0.625651
LOC107131993	0.631177	0.509936
LOC107131995	5.551329	4.252889
LOC107131996	0.542839	1.357568
LOC107131998	0.554869	0.450378
LOC107132001	1.059815	1.618277
LOC107132002	9.635022	8.556794
LOC107132005	0.537701	0.46934
LOC107132006	0.230113	0.120954
LOC107132007	0.470142	0.16345
LOC107132010	2.009999	1.957661
LOC107132011	3.458972	1.596211
LOC107132012	0.549987	0.499336
LOC107132013	0.606784	0.256159
LOC107132014	0.212409	0.085378
LOC107132015	1.311237	1.72336
LOC107132016	1.847325	1.332714
LOC107132032	0.785556	1.262424
LOC107132034	0.185294	0.219141
LOC107132037	0.427814	0.298251
LOC107132043	2.025491	0.491381
LOC107132045	0.678816	1.146033
LOC107132046	0.772241	0.786054
LOC107132047	2.092123	1.910273
LOC107132048	2.408178	4.973502
LOC107132050	0.680584	0.895739
LOC107132052	0.421444	0.433943
LOC107132057	0	0
LOC107132058	0.606561	0.73008
LOC107132061	0.315909	0.440229
LOC107132064	0.060811	0.097121
LOC107132065	0.239365	0.127231
LOC107132067	1.117521	3.2146
LOC107132068	0.228211	0.197572
LOC107132069	0.217397	0.225719
LOC107132070	0.2029	0.216979
LOC107132071	1.016965	0.859336
LOC107132072	1.017251	0.889478
LOC107132075	0.642971	0.496386
LOC107132076	1.538581	3.070195
LOC107132077	0.342746	0.252987
LOC107132078	0.097644	0.24929
LOC107132082	0.160397	0.084309
LOC107132086	0.170311	0.163244
LOC107132087	1.233397	0.784708
LOC107132092	0.282076	0.371775
LOC107132093	1.329861	0.515063
LOC107132094	0.126417	0.063737
LOC107132098	1.014139	0.776339
LOC107132121	0.074503	0.045847

LOC107132170	0.703008	0.049727
LOC107132171	1.869432	0.679439
LOC107132172	0.214322	0.114564
LOC107132174	0.452619	0.459826
LOC107132175	1.256089	1.029
LOC107132176	1.633997	1.279454
LOC107132181	1.315679	5.699849
LOC107132188	0.387551	0.083628
LOC107132189	0.706952	1.41188
LOC107132190	1.648496	1.043975
LOC107132192	1.373636	1.243486
LOC107132196	0.672276	1.58525
LOC107132199	0.707514	0.55343
LOC107132202	3.922719	2.247475
LOC107132203	2.348428	1.364541
LOC107132205	4.408186	7.595082
LOC107132207	1.36164	0.42413
LOC107132208	4.493203	3.950142
LOC107132213	0.410177	0.478484
LOC107132214	0.524203	0.270338
LOC107132220	0.435021	0.602831
LOC107132222	0.35849	0.238158
LOC107132224	0.472693	0.412308
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LOC107132226	0.36479	0.373125
LOC107132227	1.143182	1.229409
LOC107132228	0.854674	0.960024
LOC107132229	0.239462	0.227988
LOC107132230	0.445712	1.951376
LOC107132231	0.718735	0.525779
LOC107132232	1.08668	0.392856
LOC107132235	2.071285	0.666918
LOC107132237	1.174017	0.602819
LOC107132239	0.128229	0.035764
LOC107132240	2.197413	1.739713
LOC107132241	0.40443	0.205052
LOC107132243	0.684215	0.71679
LOC107132245	1.531085	2.6107
LOC107132246	2.773469	1.454388
LOC107132247	0.816138	0.0823
LOC107132251	0.071989	0.085551
LOC107132253	0.332909	0.07379
LOC107132254	2.263525	2.064506
LOC107132255	0.579096	0.714655
LOC107132260	0.611575	1.662539
LOC107132261	0.418511	0.217049
LOC107132262	1.176107	0.727613
LOC107132265	0.142967	0.077425
LOC107132268	1.346526	1.861883
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LOC107132278	0.621877	2.478263
LOC107132282	0.111004	0.070016
LOC107132283	1.985631	0.963673
LOC107132284	0.603525	0.056536
LOC107132285	1.295846	1.109861
LOC107132286	0.532137	0.737111
LOC107132288	0.683082	1.485154
LOC107132290	0.009699	0
LOC107132293	0.953562	0.839608
LOC107132296	0.373921	0.146201
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LOC107132301	0.384884	0.317017
LOC107132302	0.090223	0.623286
LOC107132303	0.718476	0.337948
LOC107132304	0.425055	0.040622
LOC107132305	1.469897	2.370759
LOC107132306	0.004825	0.032973
LOC107132308	1.280343	0.551362
LOC107132310	0.522025	0.361698
LOC107132314	1.106052	0.947588
LOC107132315	1.553237	3.758509
LOC107132316	0.917628	0.802871
LOC107132317	1.238556	1.012701
LOC107132318	1.012736	0.951487
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LOC107132327	0.497239	0.327893
LOC107132328	1.00895	0.446881
LOC107132335	0.144885	0.236725
LOC107132336	0.113688	0.053782
LOC107132338	0.901901	0.777916
LOC107132339	3.665456	3.692372
LOC107132340	0.102055	0.052065
LOC107132342	0.068801	0.112509
LOC107132343	1.222721	0.417754
LOC107132344	1.096093	0.863317
LOC107132345	1.039785	0.448945
LOC107132346	0.201945	0.06133
LOC107132348	2.96029	0.654621
LOC107132349	1.50825	0.443667
LOC107132350	3.520502	3.052554
LOC107132351	0.133689	0.341709
LOC107132358	0.252098	0.149074
LOC107132360	1.257871	0.502084
LOC107132365	0.689748	0.399918
LOC107132367	0.075858	0.050126
LOC107132371	0.376993	9.577503
LOC107132374	7.52355	2.424074

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LOC107132378	0.380021	0.446018
LOC107132380	0.286125	0.560566
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LOC107132385	1.229178	1.411832
LOC107132386	0.433509	0.815692
LOC107132393	0.476793	0.079142
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LOC107132395	2.056853	1.397576
LOC107132398	0.285494	0.072944
LOC107132399	0.227713	0.142612
LOC107132401	3.829534	1.815573
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LOC107132420	1.070376	1.186541
LOC107132422	0.024989	0
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LOC107132445	2.114106	3.005677
LOC107132446	0.852235	0.5087
LOC107132447	4.386303	4.385653
LOC107132448	0.589578	0.607735
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LOC107132450	0.972719	0.500614
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LOC107132453	0.123817	0.052065
LOC107132454	0.207835	0.166468
LOC107132456	1.468932	2.154511
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LOC107132461	2.585218	2.04944
LOC107132462	0.639646	0.321599
LOC107132464	0.747079	0.337826
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LOC107132469	1.523122	1.265085
LOC107132470	1.32867	0.719164
LOC107132472	0.217466	0.096018
LOC107132473	0.746936	0.586873
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LOC107132477	2.310413	1.550529
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LOC107132482	0.354408	0.03877
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LOC107132486	0.18021	0.15476

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LOC107132495	0.53494	0.249738
LOC107132498	1.012352	0.710641
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LOC107132502	0.502025	0.3662
LOC107132508	1.115444	0.60174
LOC107132515	0.363048	0.412109
LOC107132516	1.188218	0.542939
LOC107132519	0.509957	0.112718
LOC107132523	0.457017	0.629089
LOC107132524	1.154306	0.704408
LOC107132529	0	0.076952
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LOC107132534	0.457289	1.775479
LOC107132535	0.085239	0.064006
LOC107132537	1.122959	6.736912
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LOC107132550	0.6285	0.408149
LOC107132551	0.444425	0.661311
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LOC107132554	1.005586	0.957088
LOC107132556	1.118012	0.988348
LOC107132560	1.137528	0.908453
LOC107132563	0.030333	0
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LOC107132567	0.620735	0.02549
LOC107132568	0.054514	0.152823
LOC107132569	0.269945	0.116424
LOC107132570	1.941117	0.206838
LOC107132571	0.074968	0.019703
LOC107132573	0.697571	0.583861
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LOC107132588	0.502166	0.281273
LOC107132589	2.156707	11.55079
LOC107132591	0.435418	0.155782
LOC107132594	0.56402	0.39117
LOC107132600	0.136714	0.069481
LOC107132603	0.11433	0.548869
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LOC107132606	0.587817	0.877804
LOC107132607	0.126607	0.209152
LOC107132610	0.887315	0.937869
LOC107132615	0.152613	0.050664
LOC107132616	1.606442	3.320173

LOC107132617	1.304802	1.165662
LOC107132618	0.148782	0.26542
LOC107132619	0.152354	0.205925
LOC107132623	0.141618	0.101864
LOC107132625	0.266029	0.180618
LOC107132626	1.24444	1.017249
LOC107132627	0.971397	1.348981
LOC107132628	1.098193	0.730017
LOC107132629	0.972794	0.393237
LOC107132636	0.586808	0.66807
LOC107132639	1.028182	2.01933
LOC107132640	0.083959	0.382471
LOC107132643	0.138035	0.018139
LOC107132644	0.264612	0.237608
LOC107132646	0.161549	0.188983
LOC107132648	1.450921	3.706941
LOC107132649	0.770243	0.798361
LOC107132652	2.41089	1.344921
LOC107132655	1.382589	0.050119
LOC107132656	3.643422	8.524641
LOC107132661	0.685766	0.845165
LOC107132662	0	0
LOC107132664	0.149833	0.052504
LOC107132671	0.429781	0.628079
LOC107132672	1.035633	0.653997
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LOC107132676	2.916535	2.761158
LOC107132678	0.060424	0.10836
LOC107132679	3.695396	3.90647
LOC107132680	0.486806	0.290718
LOC107132682	2.095293	1.849256
LOC107132683	0.837143	0.218919
LOC107132686	0.087368	0.194778
LOC107132687	2.508598	1.40249
LOC107132688	0.539488	0.055784
LOC107132692	0.575962	0.342728
LOC107132694	1.850471	0.874121
LOC107132695	0.51105	0.511186
LOC107132697	0.357497	0.889269
LOC107132702	2.095578	0.394834
LOC107132705	0.225176	0.838378
LOC107132707	2.148362	2.026744
LOC107132711	5.243074	4.854255
LOC107132713	0.791884	0.375957
LOC107132714	0.423821	0.611637
LOC107132715	0.02439	0.022436
LOC107132716	4.124805	3.645757
LOC107132718	6.983637	43.55006
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LOC107132721	0.922714	0.421318

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LOC107132723	0.694863	0.957182
LOC107132724	1.071593	0.880794
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LOC107132727	0.302457	0.207898
LOC107132732	1.282145	1.010007
LOC107132734	0.071457	0.051301
LOC107132735	0.623869	0.301995
LOC107132736	1.83537	1.137711
LOC107132740	1.390535	0.86247
LOC107132742	2.577125	1.93934
LOC107132746	1.767569	2.69535
LOC107132748	1.441145	1.94788
LOC107132749	0.277941	0.097396
LOC107132752	2.397873	0.622374
LOC107132754	0.876464	0.549358
LOC107132757	0.628816	2.013678
LOC107132758	0.641712	0.219672
LOC107132759	0.380806	0.369362
LOC107132760	1.297993	0.430529
LOC107132761	3.63483	2.706817
LOC107132765	1.6617	1.502697
LOC107132767	1.017972	0.589982
LOC107132768	2.472128	0.315327
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LOC107132779	0.639398	0.554089
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LOC107132782	2.270803	3.775803
LOC107132783	1.270208	0.646512
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LOC107132785	0.638393	0.581405
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LOC107132792	0.707633	0.810482
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LOC107132796	0.121692	0.15296
LOC107132798	2.187888	8.582429
LOC107132799	0.075999	2.625129
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LOC107132809	0	0
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LOC107132816	0.979254	0.990109
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LOC107132824	2.209762	0.113521
LOC107132828	1.002439	1.051348

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LOC107132830	0.169738	0.022561
LOC107132831	0.621826	0.78272
LOC107132832	0	0.023886
LOC107132836	0.059022	0.066821
LOC107132837	0.126245	0.255223
LOC107132841	0.339688	0.165394
LOC107132842	2.932339	2.519283
LOC107132843	0.088796	0.074129
LOC107132844	5.15197	1.775851
LOC107132845	0.354706	0.438435
LOC107132849	0.542673	0.301702
LOC107132851	0.22353	0.117494
LOC107132852	0.249478	0.168917
LOC107132853	2.415296	3.19584
LOC107132854	0.913519	1.573821
LOC107132855	0.343726	0.122423
LOC107132856	1.261863	1.026353
LOC107132861	0.769357	0.758807
LOC107132867	0.448793	0.473161
LOC107132868	3.095809	3.892405
LOC107132870	1.3361	0.682965
LOC107132871	0.878102	1.189895
LOC107132873	0.110233	0.141636
LOC107132877	0.560635	0.223962
LOC107132879	3.977634	1.937637
LOC107132883	1.305955	1.242912
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LOC107132901	1.083039	15.61715
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LOC107132908	0.127299	0.156129
LOC107132911	0.237918	0.551325
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LOC107132916	6.504113	4.306272
LOC107132917	0.564362	4.938567
LOC107132919	0.16548	0.170097
LOC107132921	1.023419	5.62458
LOC107132924	0.014695	0.030897
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LOC107132926	1.085393	0.739695
LOC107132928	1.246888	0
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LOC107132934	0.207926	0.095964
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LOC107132938	0.293138	0.041927
LOC107132941	0.367396	0.345877
LOC107132942	0.14933	0.270014
LOC107132944	1.499689	0.681583
LOC107132945	0.057415	0.051735
LOC107132949	0.782312	0.403248
LOC107132952	1.22333	0.314098
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LOC107132955	1.580062	2.593578
LOC107132958	0.340488	0.17897
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LOC107132961	0.107507	0.024569
LOC107132962	0.523459	0.10318
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LOC107132968	0.021795	0
LOC107132969	1.00867	0.396488
LOC107132971	0.065313	0.205983
LOC107132972	0.200142	0.241408
LOC107132977	0.708985	0.370212
LOC107132978	0.025392	0.068642
LOC107132979	0.351322	0.348226
LOC107132980	0.796515	1.111303
LOC107132982	0.339581	0.083134
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LOC107132986	1.173089	3.087326
LOC107132987	0.113683	0.057785
LOC107132988	1.083323	0.856574
LOC107132990	2.592419	2.16014
LOC107132991	0.103979	0.014437
LOC107132993	0.392409	0.178619
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LOC107132998	0.181108	0.209431
LOC107133003	0.571808	1.063719
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LOC107133028	0.166707	0.156805
LOC107133032	0.090073	0.121745
LOC107133036	1.437779	1.182163
LOC107133039	0.051993	0.035367

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LOC107133045	0.085579	0
LOC107133048	1.382261	0.996208
LOC107133049	0.447891	2.144985
LOC107133050	0.555058	0.623225
LOC107133051	0.066591	2.175739
LOC107133052	1.2607	0.768687
LOC107133053	0.95806	0.567257
LOC107133054	0.274834	1.041983
LOC107133058	0.510637	0.379696
LOC107133059	0.68135	0.931877
LOC107133062	0.069089	0.055869
LOC107133063	0.336691	4.416321
LOC107133071	0.228979	0.182822
LOC107133073	1.136573	1.098664
LOC107133074	0.378554	0.6856
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LOC107133078	0.899335	1.102523
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LOC107133095	1.019637	0.296298
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LOC107133102	0.616453	0.668231
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LOC107133111	0.425026	0.536175
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LOC107133116	4.44634	3.621607
LOC107133117	0.572852	0.207661
LOC107133124	0.381639	0.360315
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LOC107133128	0.240595	0.075878
LOC107133130	2.276962	2.007008
LOC107133133	0.446468	0.539379
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LOC107133136	0.634067	0.583248
LOC107133137	0.233765	0
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LOC107133142	1.584534	0.793218
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LOC107133144	0.125694	0.157548
LOC107133147	0.043055	0.026912
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LOC107133149	1.020785	0.936357
LOC107133150	0.023513	0
LOC107133151	11.40688	11.85982
LOC107133155	2.168898	2.286659
LOC107133158	3.470271	4.282353
LOC107133160	0.550879	0.299826

LOC107133161	0.7888	0.632148
LOC107133162	5.035064	4.884051
LOC107133166	0.438186	0.588099
LOC107133168	0.789422	0.51322
LOC107133170	0.165972	0.118397
LOC107133171	0.958253	0.746202
LOC107133172	0.221304	0.242144
LOC107133174	0.581008	1.192868
LOC107133175	0.883634	0.02687
LOC107133176	0.008858	0
LOC107133180	2.031136	0.696561
LOC107133182	1.866069	0.179067
LOC107133183	0.123652	0.119158
LOC107133184	1.817848	1.569165
LOC107133190	0.345951	0.233797
LOC107133191	0.704379	0.703403
LOC107133195	0.615455	0.419921
LOC107133199	3.472298	0.761197
LOC107133202	1.619711	1.718954
LOC107133203	0.7692	0.172969
LOC107133204	0.386596	0.359039
LOC107133206	0.767885	0.604944
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LOC107133208	0.026422	0.07407
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LOC107133211	0.179987	0.163294
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LOC107133213	0.549498	2.068846
LOC107133214	1.812593	0.698138
LOC107133219	1.545212	1.390582
LOC107133222	0.452546	0.369509
LOC107133223	0.192154	0.169683
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LOC107133229	0.288971	0.316711
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LOC107133233	0.445577	0.312278
LOC107133234	1.617046	2.40696
LOC107133235	0.337664	0.06454
LOC107133238	1.715037	1.218414
LOC107133239	0.075752	1.088348
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LOC107133242	6.169759	6.808173
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LOC107133250	1.504371	1.122734
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LOC107133264	0.327166	0.484862
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LOC107133272	0.026508	0
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LOC107133276	1.512091	1.008261
LOC107133280	0.297268	0.873956
LOC107133282	1.298978	0.880971
LOC107133284	1.25534	0.966586
LOC107133287	1.395112	2.3046
LOC107133288	3.385608	3.217171
LOC107133289	0.096338	0.084396
LOC107133290	0.310558	0.243192
LOC107133294	0.0636	0.085432
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LOC107133302	27.11716	6.853496
LOC107133304	0.953887	0.971267
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LOC107133318	5.167587	2.314137
LOC107133319	3.474482	5.275426
LOC107133323	1.502501	1.870277
LOC107133324	0.316905	0.060763
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LOC107133447	0.502727	0.333787
LOC107133448	1.734657	0.527406
LOC107133455	0.158621	0.083376
LOC107133457	0.226546	0.09824
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LOC107133462	2.197117	0.908637
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LOC112441456	0.732222	1.204294
LOC112441457	0.23765	0.878389
LOC112441458	0.180034	0.049643
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LOC112441481	0.263023	0.084488
LOC112441482	0.292138	0.442243
LOC112441483	0.032847	0.49494
LOC112441484	0.049393	0.136893
LOC112441485	0.23342	0.224231
LOC112441490	2.294697	0.96084
LOC112441491	0.239385	0.085344
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LOC112441494	0.178792	0.147944
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LOC112441552	0.19927	0.276065
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LOC112441581	0.44953	0.139348
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LOC112441583	0.052573	0.022757
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LOC112441588	0.126873	0.047955
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LOC112441590	2.590864	0.05234
LOC112441591	2.013597	2.092613
LOC112441592	0.085765	0.042429
LOC112441593	1.09128	0.452082
LOC112441594	1.430481	2.287353
LOC112441595	1.568464	0.725383
LOC112441596	0.955162	0.20993
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LOC112441602	13.1521	29.15666
LOC112441603	0.178847	0.115701
LOC112441604	0.14878	0.098604
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LOC112441610	0.079113	0.044783
LOC112441611	0.179631	0.089814
LOC112441612	0.316403	0.323719
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LOC112441616	0.26759	0.07495
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LOC112441626	1.815671	1.13153
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LOC112441630	0.167669	0.032541
LOC112441631	0.141521	0.058775
LOC112441632	1.229168	2.493049
LOC112441633	0.064159	0.208665
LOC112441634	1.423573	0.717139
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LOC112441636	1.012152	1.72398
LOC112441637	0.088396	0.268456
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LOC112441649	0.144557	0.144922
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LOC112441651	0.138154	1.004795
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LOC112441654	0.026073	0.00137
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LOC112441656	0.515974	0.387178
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LOC112441672	0.170558	0.182668
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LOC112441682	0.176345	0.007889
LOC112441683	0.619143	0.522043
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LOC112441685	0.467402	0.817314
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LOC112441690	1.36132	1.312139
LOC112441691	1.366496	8.806393
LOC112441692	0.975035	0.439853
LOC112441693	2.102868	1.995493
LOC112441694	1.119402	1.549196
LOC112441695	0.508069	1.115021
LOC112441696	4.649778	0.01644
LOC112441697	0.595715	0.465774
LOC112441698	0.464617	0.865386
LOC112441699	0.578716	0.317166
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LOC112441718	0.275218	0.199737
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LOC112441770	1.01266	1.370095
LOC112441771	0.025693	0.040515
LOC112441772	0.237995	0.127941
LOC112441773	0.924465	0.944857
LOC112441774	1.553549	1.624186
LOC112441775	0.586337	1.936498
LOC112441776	0.184902	0.105387

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LOC112441780	0.64389	0.100884
LOC112441781	4.335238	0.19478
LOC112441782	0.28076	0.13416
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LOC112441786	0.378463	0.160592
LOC112441787	0.630434	0.560788
LOC112441788	1.847079	0.481618
LOC112441789	0.741648	0.509456
LOC112441790	8.244247	3.916297
LOC112441791	0.380133	0.04274
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LOC112441793	0.37335	0.63566
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LOC112441800	0.1549	0.191577
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LOC112441802	1.175319	1.229318
LOC112441803	0.425721	0.543626
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LOC112441807	1.115912	0.949843
LOC112441808	1.004116	0.305836
LOC112441809	1.012549	1.136403
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LOC112441857	0.412237	0.520727
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LOC112441866	0.071579	2.943716
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LOC112441870	0.705759	1.30604
LOC112441871	0.094154	0.229456
LOC112441872	8.948949	6.008688
LOC112441874	1.459603	0.632677
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LOC112441876	0.399801	0.125821
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LOC112441882	0.134856	0.220861
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LOC112441894	2.305764	1.094574
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LOC112441898	0.158547	0.116167
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LOC112441902	0.291669	0.382224
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LOC112441920	1.179786	1.130757
LOC112441921	0.141616	0.489311
LOC112441922	0.442946	0.485276
LOC112441923	0.853439	0.565726
LOC112441924	0.15892	0.128963
LOC112441925	2.428448	0.473226
LOC112441926	0.422982	3.183796
LOC112441927	0.346067	0.122545
LOC112441928	2.104557	1.990427

LOC112441929	2.46023	4.625571
LOC112441930	0.130042	0.140851
LOC112441931	1.61024	3.069809
LOC112441932	0.880517	0.531163
LOC112441933	0.8683	0.840313
LOC112441934	0.560976	1.185671
LOC112441935	1.04243	1.826441
LOC112441936	4.796679	11.79122
LOC112441937	0.188725	0.022545
LOC112441938	0.109948	0.016512
LOC112441939	0.586968	0.109758
LOC112441940	0.35012	0.314316
LOC112441941	0.82016	0.669056
LOC112441942	5.545633	3.339842
LOC112441943	0.051216	0.551871
LOC112441944	0.181633	0.190943
LOC112441945	0.152109	0.175216
LOC112441946	0.313414	0.508076
LOC112441979	0.028073	0.031152
LOC112441980	1.222471	0.085948
LOC112441981	0.608818	3.13204
LOC112441982	19.38632	6.319777
LOC112441984	0.097864	0.034293
LOC112441985	0.189654	0.108432
LOC112441986	0.571689	0.561562
LOC112441987	0.960079	3.948476
LOC112441988	0.923657	1.631384
LOC112441989	0.531679	0.321386
LOC112441990	1.497387	2.263426
LOC112441991	0.025838	0.02173
LOC112441992	0.232531	0.277901
LOC112441993	0.216065	1.33984
LOC112441994	0.893959	1.496436
LOC112441995	0.760758	0.973489
LOC112441996	0.010311	0.032519
LOC112441997	1.621927	1.123912
LOC112441998	1.733929	1.42045
LOC112441999	0.092785	0
LOC112442000	0.312684	0.426108
LOC112442001	1.003676	0.267839
LOC112442002	0.798415	1.379582
LOC112442003	2.211287	1.460505
LOC112442004	0.777902	0.363714
LOC112442005	1.558008	0.502713
LOC112442006	2.596414	3.973947
LOC112442007	0.075108	0.097179
LOC112442008	0.295339	0.409747
LOC112442009	0.513815	0.394494
LOC112442010	0.105567	0.194212
LOC112442011	0.018474	0

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LOC112442013	1.135553	0.609007
LOC112442015	1.537169	2.712085
LOC112442016	0.755494	0.632606
LOC112442017	0.232581	0.13787
LOC112442018	0.425355	0.424801
LOC112442019	0.299316	0.048409
LOC112442020	2.332765	1.651026
LOC112442021	0.034511	0.078606
LOC112442022	0.111846	0.062636
LOC112442023	2.962691	0.955847
LOC112442024	0.376978	0.008615
LOC112442025	0.06422	0.098857
LOC112442026	1.087165	0.713053
LOC112442027	0.756435	1.024133
LOC112442028	3.265017	2.284687
LOC112442029	1.486471	6.703441
LOC112442030	6.507115	2.430743
LOC112442031	0.163691	0.283291
LOC112442032	0.139728	0.089933
LOC112442033	0.063862	0.071931
LOC112442034	0.033314	0.038206
LOC112442035	2.328362	0.2992
LOC112442036	4.40188	1.806936
LOC112442037	0.198691	0.22678
LOC112442038	0.431224	0.076052
LOC112442039	1.284472	1.999785
LOC112442040	0.525598	0.465088
LOC112442041	0.072558	0.059592
LOC112442042	0.385315	0.301814
LOC112442043	0.7904	0.435795
LOC112442044	0.135861	0.064921
LOC112442045	0.38319	0.47422
LOC112442046	0.344805	0.014726
LOC112442047	0.633181	0.741711
LOC112442048	0.429392	0.265298
LOC112442049	0.193657	0.040717
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LOC112442051	0.162496	0.071177
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LOC112442057	1.023503	0.927976
LOC112442058	0.039444	0.059237
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LOC112442060	0.40289	0.326377
LOC112442061	0.224904	0.14186
LOC112442062	1.263218	0.941183

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LOC112442064	0.719172	0.067925
LOC112442065	0.08684	0.100172
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LOC112442067	2.438051	3.508837
LOC112442068	1.13622	1.100163
LOC112442069	0.48601	0.644705
LOC112442070	0.784019	1.085765
LOC112442071	0.364635	0.132772
LOC112442072	0.035839	0.075353
LOC112442073	0.223608	0.705209
LOC112442074	0.022361	0.015671
LOC112442075	0.223608	0.293837
LOC112442076	0.692785	1.064253
LOC112442077	0.096835	0.172274
LOC112442079	0.304446	0.246646
LOC112442080	0.030043	0.075116
LOC112442081	0.911936	1.002012
LOC112442082	0.17827	0.149926
LOC112442083	0.359606	0.578368
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LOC112442085	0.31393	0.238739
LOC112442086	2.861851	0.396218
LOC112442087	0.270679	0.088454
LOC112442088	0.236997	0.495696
LOC112442089	2.309987	1.836864
LOC112442090	0.336253	0.073366
LOC112442091	0.115411	0.102661
LOC112442092	1.906543	0.947757
LOC112442093	0.531679	0.110622
LOC112442094	0.017715	0
LOC112442095	1.543613	5.955584
LOC112442096	0.363367	1.312705
LOC112442097	0.288467	0.046416
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LOC112442099	0.39169	0.19608
LOC112442100	0.07971	0.033078
LOC112442101	9.860996	8.852181
LOC112442102	0.352024	0.174754
LOC112442103	0.366691	0.092517
LOC112442104	3.549696	9.784607
LOC112442105	1.319898	0.414329
LOC112442106	0.755666	11.48718
LOC112442107	0	0
LOC112442108	0.366354	6.919229
LOC112442109	0.172102	0.110944
LOC112442110	0.170965	0.046084
LOC112442111	0.237973	0.079002
LOC112442112	0.237212	0.373157
LOC112442113	1.19797	0.236258

LOC112442114	0.383035	0.216035
LOC112442115	2.394656	1.912703
LOC112442116	0.226067	0.444644
LOC112442117	0.889013	0.67719
LOC112442118	0.085746	0.02121
LOC112442119	0.098287	0.068883
LOC112442120	0.098218	0.275339
LOC112442121	0.071821	0.002697
LOC112442122	0.11133	0.117036
LOC112442123	0.587927	2.947887
LOC112442124	0.527348	0.371381
LOC112442125	0.184194	0.35231
LOC112442126	0.455533	0.222552
LOC112442127	0.095205	0.095733
LOC112442128	0.12169	0.13402
LOC112442129	1.250274	0.601301
LOC112442130	0.105441	0.065203
LOC112442131	1.842265	0.872328
LOC112442132	0.07044	0
LOC112442133	0	0.147098
LOC112442134	0.060844	0.053863
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LOC112442136	0.460108	0.374692
LOC112442137	0.12959	0.783337
LOC112442138	0.427288	2.249819
LOC112442139	0.020507	0.020583
LOC112442140	1.927541	1.047186
LOC112442141	0.084275	0.121561
LOC112442142	0.431066	0.604216
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LOC112442189	1.609367	1.620127
LOC112442190	0.086004	0.197778
LOC112442191	0.026046	0.023274
LOC112442195	0.407475	0.374253
LOC112442196	0.349072	0.218891
LOC112442197	0.229623	0.120696
LOC112442198	1.360133	0.844402
LOC112442199	0.016467	0.036353
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LOC112442205	10.40243	7.484648
LOC112442207	1.158054	0.496856
LOC112442208	1.009709	1.832765
LOC112442209	3.221675	0.075858
LOC112442210	1.013297	0.511975
LOC112442211	0.394154	0.414359
LOC112442212	0.031735	0.316936

LOC112442213	0.44308	0.145792
LOC112442214	3.716433	1.32137
LOC112442215	0.057217	0.112455
LOC112442216	0.954366	1.198557
LOC112442217	1.045233	1.302208
LOC112442218	0.456874	0.250237
LOC112442219	15.20894	4.854724
LOC112442220	0.923601	0.221789
LOC112442221	0	0
LOC112442222	0.075485	0.031373
LOC112442223	0.93495	0.986036
LOC112442224	0.348323	0.265163
LOC112442226	1.005705	1.831379
LOC112442227	0	0
LOC112442228	0.167766	0.279246
LOC112442229	0.024177	0.237218
LOC112442230	0.101753	0.117456
LOC112442231	0.069235	0.022005
LOC112442232	0.133123	0.055979
LOC112442233	0.010457	0.021986
LOC112442234	0.623109	0.479235
LOC112442235	1.262384	0.528747
LOC112442236	0.49106	0.378801
LOC112442237	0.032089	0.037108
LOC112442238	0.013905	0
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LOC112442240	1.900417	0.776339
LOC112442241	0.075998	0.067008
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LOC112442243	1.805108	0.78533
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LOC112442245	0.891578	1.335276
LOC112442246	1.268929	0.741538
LOC112442247	4.227562	3.685356
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LOC112442251	0.062129	0.036285
LOC112442252	0.024843	0.095759
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LOC112442255	4.086395	2.243588
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LOC112442257	1.104727	1.058479
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LOC112442259	1.105145	1.206275
LOC112442260	6.817966	3.407478
LOC112442261	0.326838	0.1488
LOC112442262	0.147435	0.165806
LOC112442263	0.246846	0.281124

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LOC112442266	0.12034	0.07188
LOC112442267	1.237673	1.170811
LOC112442268	0.543246	0.249988
LOC112442269	0.081999	0.193956
LOC112442270	0.488589	0.175747
LOC112442271	0.13919	0.243876
LOC112442272	0.199882	0.380546
LOC112442273	0.038176	0.048732
LOC112442274	3.57577	0.423816
LOC112442275	1.954404	0.700218
LOC112442276	0.421386	1.444844
LOC112442277	1.013332	1.513506
LOC112442278	1.769639	0.887244
LOC112442279	2.320413	2.935119
LOC112442280	1.252086	0.84823
LOC112442281	1.357321	1.194594
LOC112442282	5.692107	6.733207
LOC112442283	0.244384	0
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LOC112442285	0.974976	1.323898
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LOC112442287	0.032465	0.017065
LOC112442288	1.791205	3.053165
LOC112442289	0.011572	0.072993
LOC112442290	0.123188	0.179176
LOC112442291	0.254561	0.069958
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LOC112442294	0.16165	0.297388
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LOC112442301	0.904568	0.295847
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LOC112442307	0.558981	0.405747
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LOC112442310	0.053054	0.003486
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LOC112442313	0.606723	0.573281
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LOC112442318	0.23546	2.900958
LOC112442319	0.554228	0.820448
LOC112442320	0.314985	0.271319
LOC112442321	0.031359	0.040132
LOC112442322	0.116141	0.02338
LOC112442323	0.048628	0.051121
LOC112442324	1.026815	0.630086
LOC112442325	0.284075	0.191502
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LOC112442328	2.893674	4.078461
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LOC112442330	0.154517	0.525534
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LOC112442332	0.309581	0.051659
LOC112442333	0.108039	0.144553
LOC112442334	0.04643	0.052565
LOC112442335	0.444129	0.466894
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LOC112442337	0.36525	0.218166
LOC112442338	0.036773	0.041075
LOC112442339	0.491038	1.085678
LOC112442340	1.605007	0.615162
LOC112442342	0.334817	0.311052
LOC112442344	1.295357	0.231499
LOC112442345	0.54735	0.507921
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LOC112442349	0.438394	0.154982
LOC112442350	0.168116	0.271897
LOC112442351	0.327853	0.885736
LOC112442352	0.32303	0.156211
LOC112442353	0.412448	0.146337
LOC112442354	0.914248	0.105066
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LOC112442356	0.097168	0.024035
LOC112442357	0.755348	2.287587
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LOC112442359	0.09603	0.282666
LOC112442360	2.880886	3.54005
LOC112442361	0.195967	0.217537
LOC112442362	0.093346	0.114261
LOC112442363	1.379411	0.597503
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LOC112442371	0.923814	0.895435
LOC112442372	0.211214	0.12644
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LOC112442379	1.710964	2.315322
LOC112442380	0.184613	0.239742
LOC112442381	0.151955	0.279552
LOC112442382	0.220577	5.648261
LOC112442383	0.218235	0.117204
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LOC112442385	0.033179	0.014949
LOC112442386	0.234409	0.441823
LOC112442387	0.459924	0.296926
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LOC112442393	2.253521	1.234187
LOC112442394	0.101995	0.043684
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LOC112442400	0.115826	0.023369
LOC112442401	0.037416	0.098335
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LOC112442403	0.125148	0.080305
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LOC112442405	0.467079	0.903628
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LOC112442416	0.194033	0.299838
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LOC112442419	0.336653	0.564856
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LOC112442428	1.589342	0.849949
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LOC112442430	0.656192	0.716454
LOC112442431	0.053581	0.056327
LOC112442432	0.80077	0.241902
LOC112442433	0.011327	0.023816
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LOC112442435	1.720175	2.42967
LOC112442436	0.110368	0.432457
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LOC112442438	0	0.027594
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LOC112442440	0.840967	1.373579
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LOC112442442	0.249115	0.231074
LOC112442443	0.927198	0.884949
LOC112442444	0.215533	0.205983
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LOC112442448	0.29562	0.104755
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LOC112442451	0.054771	0.134349
LOC112442452	0.58556	0.969367
LOC112442453	1.363909	3.491524
LOC112442454	0.174855	0.061273
LOC112442455	0.404715	0.220609
LOC112442456	0.518492	0.956263
LOC112442457	0.009086	0
LOC112442458	0.212794	0.14186
LOC112442459	0.22748	0.514455
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LOC112442461	2.106402	1.056601
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LOC112442465	1.421461	0.252227
LOC112442466	0.674283	0.228214
LOC112442467	6.330339	4.030926
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LOC112442469	0.018066	0.693196
LOC112442470	0.146808	0.328908

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LOC112442472	0.020521	0.037939
LOC112442473	0.172987	0.488733
LOC112442474	0.329302	0.016227
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LOC112443071	0.031506	0.009033
LOC112443072	0.916961	0.708456
LOC112443073	0.742855	0.338555
LOC112443074	0.182342	0.153351
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LOC112443076	0.113394	0.184373
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LOC112443078	0.320893	0.12819
LOC112443079	0.463713	0.287548
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LOC112443081	0.115235	0.148063
LOC112443082	0.862132	0.224338
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LOC112443117	0.413312	0.185894
LOC112443118	0.10584	0.122776
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LOC112443120	0.089186	0.073667
LOC112443121	0.916439	1.166804
LOC112443122	0.046227	0.029158
LOC112443123	0.060989	0.09083
LOC112443124	0.007258	0.00763
LOC112443125	0.043078	0.01332
LOC112443126	0.372502	0.119876
LOC112443127	0.048351	0.048409
LOC112443128	0.107006	0.121937
LOC112443129	0.831629	0.771029
LOC112443130	0.025261	0.053111
LOC112443131	0.061323	0.007584
LOC112443132	1.083726	0.274867
LOC112443133	0.088316	0.03979
LOC112443134	0.012617	0.026527

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LOC112443137	0.108326	0.137714
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LOC112443139	0.22969	0.300328
LOC112443140	0.058655	0.008809
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LOC112443142	0.015984	0.040809
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LOC112443144	0.806971	0.147099
LOC112443145	1.425157	1.840498
LOC112443146	0.056922	0.0748
LOC112443147	0.184209	0.083741
LOC112443148	0.703209	0.743273
LOC112443149	0.477079	0.419499
LOC112443150	0.024829	0.091358
LOC112443151	0.02068	0.004348
LOC112443152	0.347961	0.192677
LOC112443153	0.021258	0.061456
LOC112443154	1.934838	0.774616
LOC112443155	0.334483	0.351629
LOC112443156	0.034032	0.078057
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LOC112443158	1.451617	1.457521
LOC112443159	0.035656	0.066316
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LOC112443162	0.968356	0.421463
LOC112443163	0.019165	0.002878
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LOC112443166	0.007025	0
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LOC112443170	0.029958	0.021473
LOC112443171	1.125495	0.726632
LOC112443172	0.04584	0.080316
LOC112443173	0.103014	0.009177
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LOC112443181	0.100588	0.010939
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LOC112443193	0.311607	0.186413
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LOC112443216	1.269749	0.114057
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LOC112443244	0.208924	0.158624
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LOC112443246	0.197169	0.036578
LOC112443247	0.763676	0.498929
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LOC112443271	0.184067	0.004813
LOC112443272	0.292286	0.435941
LOC112443273	0.022821	0.023991
LOC112443274	0.028526	0.011995
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LOC112443281	0.800713	0.215222
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LOC112443292	0.493664	0.491238
LOC112443293	0.220628	0.088024
LOC112443294	0.176037	0.090158
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LOC112443315	0.143853	0.086083
LOC112443316	0.094917	0.266749
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LOC112443321	0.027593	0.020305
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LOC112443341	0.123508	0.076376
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LOC112443343	0.253283	0.131702
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LOC112443359	0.528157	1.661177
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LOC112443362	0.489213	0.450772
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LOC112443370	0.09026	0.126144
LOC112443371	0.121817	0.133629
LOC112443372	0.291842	0.413515
LOC112443373	0.09971	0.121576
LOC112443374	0.085853	0.061081
LOC112443375	2.067241	2.1806
LOC112443376	2.937331	2.944018
LOC112443377	0.005257	0.027632
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LOC112443416	0.234228	0.118442
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LOC112443418	10.7565	1.595446
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LOC112443433	0.369206	1.380023
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LOC112443450	0.651338	0.237732
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LOC112443456	0.152141	0.063976
LOC112443457	0.025324	0.031946
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LOC112443459	0.036864	0.051254
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LOC112443462	3.736789	1.404701
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LOC112443471	0.100404	0.12666
LOC112443472	1.06764	1.744148
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LOC112443474	0.055908	0.020991
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LOC112443477	0.157028	1.574786
LOC112443478	1.29983	0.460134
LOC112443479	0.066261	0.020897
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LOC112443486	1.969374	1.054596
LOC112443487	0.374174	0.124217
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LOC112443491	0.009803	0
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LOC112443522	0.047955	0.040331
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LOC112443549	0.330749	1.036844
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LOC112443551	0.435248	0.507025
LOC112443552	0.093869	0.126311
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LOC112443554	1.077665	0.413757
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LOC112443556	0.334448	0.143449
LOC112443557	0.127024	0.037952
LOC112443558	0.438689	1.12562
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LOC112443562	0.037394	0.019655
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LOC112443619	0.244758	0.034563
LOC112443620	0.237433	0.806412
LOC112443621	0.434514	0.948122
LOC112443622	0.014606	0.02687
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LOC112443626	0.35327	0.269919
LOC112443627	0.391143	0.028688
LOC112443628	0.027289	0.019125
LOC112443629	0.007275	0
LOC112443630	0.445199	0.36773
LOC112443631	0.141737	0.015282
LOC112443632	0.711043	0.376473
LOC112443633	0.265162	0.143724
LOC112443634	1.135806	0.546696
LOC112443635	0.84082	0.235881
LOC112443636	0.533682	0.46975
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LOC112443638	0.855713	0.622492
LOC112443639	0.159612	0.073071
LOC112443640	0.148609	0.130189
LOC112443641	0.082851	0.049229
LOC112443642	0.036006	0.037851

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LOC112443647	0.456423	1.524131
LOC112443648	0.139356	0.063169
LOC112443649	0.168734	0.088691
LOC112443650	0.284727	0.492079
LOC112443651	0.069308	0.081087
LOC112443652	0	0
LOC112443653	0.410084	0.575943
LOC112443654	3.123643	1.85555
LOC112443655	0.071308	0.074963
LOC112443656	0.075765	0.004685
LOC112443657	0.016708	0.012881
LOC112443658	0.014847	0.277829
LOC112443659	0.878623	1.541515
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LOC112443661	0.615052	0.41271
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LOC112443663	1.533226	4.197251
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LOC112443665	0.038295	0.018581
LOC112443666	0.582601	0.122957
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LOC112443668	0.108623	1.138821
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LOC112443670	0.088072	0.120363
LOC112443671	0.250864	0.124922
LOC112443672	0.004401	0.004627
LOC112443673	0.081375	0.025433
LOC112443674	0.18354	0.128533
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LOC112443677	2.907941	2.905811
LOC112443678	0.324469	0.237849
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LOC112443680	0.013151	0.050693
LOC112443681	0.032859	0.03915
LOC112443682	0.082816	0.090409
LOC112443683	0.061303	0.012275
LOC112443684	0.048167	0.064445
LOC112443685	0.163413	0.245413
LOC112443686	0.254559	0.202238
LOC112443687	0.059955	0.028888
LOC112443688	0.382387	0.303214
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LOC112443694	0.017371	0.036524
LOC112443695	0.017345	0.018235
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LOC112443711	0.153496	0.147221
LOC112443712	0.104835	0.135699
LOC112443713	0.064792	0.025703
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LOC112443715	0.277571	0.529729
LOC112443716	9.065188	2.53053
LOC112443717	0.172521	0.033586
LOC112443719	0.03644	0.010215
LOC112443720	0.421621	0.014298
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LOC112443722	0.069852	0.015877
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LOC112443730	0.019765	0.008905
LOC112443731	0.084628	0.007626
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LOC112443735	0.013531	0.058086
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LOC112443738	0.494754	0.149692
LOC112443742	0.227715	0.119694
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LOC112443745	0.023883	0.016246
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LOC112443756	0.322365	0.144396
LOC112443761	0.371421	0.221015

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LOC112443772	0.088227	0.065175
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LOC112443776	0.033319	0.02627
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LOC112443783	0.303208	0.064778
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LOC112443796	0.777421	0.742445
LOC112443797	0.398333	0.479819
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LOC112443807	0.356592	0.177023
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LOC112443810	0.093506	0.009637
LOC112443811	0.043667	0.037745
LOC112443813	0.0357	0.051964
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LOC112443816	0.385872	0.565252
LOC112443817	1.740293	9.71766
LOC112443819	0.165467	0.053191
LOC112443820	0.382765	0.011497
LOC112443824	0.107596	0.085103
LOC112443826	0.39287	0.45603
LOC112443828	0.065478	0.092301
LOC112443830	0.060555	0.020646
LOC112443832	0.09585	0.081102
LOC112443833	0.049057	0.034381
LOC112443834	0.173043	0.310625
LOC112443835	0.19272	0.211949
LOC112443836	0.702082	1.045599
LOC112443837	0.077307	0.573166
LOC112443838	0.196391	0.229669
LOC112443839	0.046421	1.50548
LOC112443840	0.161671	0.231941
LOC112443841	0.028539	0.048238
LOC112443842	0.070264	0.03531
LOC112443843	1.282939	1.525804
LOC112443844	0.125311	0.014873
LOC112443845	0.106195	0.123774
LOC112443846	0.172713	0.378405
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LOC112443849	0.249259	0.109886
LOC112443850	0.061645	0.033811
LOC112443851	0.080378	0.047882
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LOC112443854	1.587106	0.488741
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LOC112443856	0.024022	0.005051
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LOC112443858	0.038428	0.020199
LOC112443859	1.190027	2.00557
LOC112443860	0.059994	0.063069
LOC112443861	0.116525	0.043235
LOC112443862	0.379016	0.359272
LOC112443863	0.803618	1.149183
LOC112443864	0.047875	0.088675
LOC112443865	0.683149	0.396808
LOC112443866	0.312919	0.032826
LOC112443867	0.388756	0.458932
LOC112443868	0.482629	0.094783
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LOC112443871	0.0477	0
LOC112443872	0.356653	0.112481
LOC112443873	0.09501	0.316289
LOC112443874	0.234807	0.504781
LOC112443875	0.395473	0.365856
LOC112443876	0.144933	0.092802
LOC112443877	0.454462	0.807945
LOC112443878	0.084225	0.083008
LOC112443880	0.555807	0.152714
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LOC112443882	3.106829	0.357635
LOC112443883	0.588574	0.149161
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LOC112443889	0.099343	0.021986
LOC112443890	0.015681	0.003297
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LOC112443892	0.616451	1.032487
LOC112443893	0.382688	0.940078
LOC112443894	0.343465	0.262597
LOC112443895	0.011703	0.061515
LOC112443896	0.236969	0.050807
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LOC112443898	0.070113	0.081897

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LOC112443902	0.56256	1.59977
LOC112443903	0.026434	0.031058
LOC112443904	0.347098	0.396205
LOC112443905	0.320105	0.039205
LOC112443906	0.005176	0
LOC112443907	0.032346	0.014962
LOC112443908	0.012385	0
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LOC112443910	0.026467	0.018549
LOC112443911	0.092509	0.064834
LOC112443912	0.128293	0.043158
LOC112443913	0.2169	0.405905
LOC112443914	0.777236	0.429312
LOC112443915	0.092188	0.161523
LOC112443916	0.099871	0.145371
LOC112443917	0.081945	0.064609
LOC112443918	0.331484	0.358156
LOC112443919	0.35269	0.177324
LOC112443920	0.043032	0.046369
LOC112443921	0.275941	0.278574
LOC112443922	0.001703	0.012533
LOC112443923	0.015327	0.024169
LOC112443924	0.115907	0.165529
LOC112443925	0.292998	0.325716
LOC112443926	2.295617	1.576683
LOC112443927	0.063098	0.124625
LOC112443928	0.664705	0.264791
LOC112443929	0.171832	0.080285
LOC112443930	1.232578	1.211318
LOC112443931	0.208471	0.235193
LOC112443932	1.439598	0.311015
LOC112443933	2.835381	2.548036
LOC112443934	0.095819	0.075548
LOC112443935	0.033774	0.09329
LOC112443936	3.156215	1.749055
LOC112443937	0.015229	0
LOC112443938	1.87317	1.024618
LOC112443939	0	0.015963
LOC112443940	0.307107	0.257084
LOC112443941	0.257797	0.106279
LOC112443942	0.097663	0.612477
LOC112443943	0.030309	0.011949
LOC112443944	0.090903	0.641632
LOC112444146	0.228821	0.375493
LOC112444147	0.230996	0.187104
LOC112444148	0.110918	0.196105
LOC112444149	0.03528	0.045037

LOC112444150	0.107976	0.086269
LOC112444151	0.287153	0.327294
LOC112444152	0.876403	0.420951
LOC112444153	0.045331	0.03177
LOC112444154	0.422885	0.646997
LOC112444155	0.032339	0.027197
LOC112444156	0.158351	0.015854
LOC112444157	0.346527	0.395967
LOC112444158	0.04893	0.047481
LOC112444159	0.083871	0.081388
LOC112444160	0.501563	0.435001
LOC112444161	5.187828	3.730685
LOC112444162	0.090049	0.215625
LOC112444163	0.33005	0.317003
LOC112444164	0.077914	0.12995
LOC112444165	0.018715	0.019674
LOC112444166	0.072536	0.067283
LOC112444167	0.153992	0.020888
LOC112444168	0.248753	0.175454
LOC112444169	5.499807	3.844066
LOC112444170	0.561872	0.225019
LOC112444171	0.187908	0.296701
LOC112444172	0.008485	0.00669
LOC112444173	0.583498	1.771547
LOC112444174	0.003178	0.001114
LOC112444175	0.420054	0.615106
LOC112444176	0.116146	0.366299
LOC112444177	0.164864	0.259973
LOC112444179	0.0115	0.006908
LOC112444180	0.020327	0.027196
LOC112444181	0.254884	0.149508
LOC112444182	0.24982	0.114369
LOC112444183	0.070135	0.085372
LOC112444184	0.199237	0.102786
LOC112444185	0.364921	0.337127
LOC112444186	0.24492	0.05364
LOC112444187	0.01474	0.003099
LOC112444188	0.950556	0.418304
LOC112444189	1.687099	0.668473
LOC112444190	0.1272	0.159435
LOC112444191	0.120951	0.119445
LOC112444192	0.139277	0.119445
LOC112444193	0.00733	0.015412
LOC112444194	0.020068	0.011403
LOC112444195	1.18697	2.177083
LOC112444196	0.174718	0.199048
LOC112444197	0.313576	0.091995
LOC112444198	0.065571	0
LOC112444199	0.280496	0.16467
LOC112444200	0.44078	0.547624

LOC112444201	0.232921	0.168342
LOC112444202	0.026184	0.021409
LOC112444203	0	0
LOC112444204	0.270374	0.503608
LOC112444205	1.677198	0.072136
LOC112444206	0.014483	0.007613
LOC112444207	0.10127	0.060835
LOC112444208	1.052154	1.096585
LOC112444209	0.054159	0.075914
LOC112444210	0.086339	0.006069
LOC112444211	1.943404	1.994982
LOC112444212	0.407826	0.377725
LOC112444213	0.367768	0.333554
LOC112444214	0.014422	0
LOC112444215	0.024022	0.025254
LOC112444216	0.208929	0.227212
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LOC112444218	0.071978	0.227002
LOC112444219	0.004799	0.025222
LOC112444220	0.028086	0.168511
LOC112444221	0.437632	0.654837
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LOC112444224	0.178396	0.045268
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LOC112444226	0.028632	0.090298
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LOC112444229	0.364718	0.563843
LOC112444230	0.243011	0.12022
LOC112444231	0.200053	0.180263
LOC112444232	0.230843	0.146238
LOC112444233	0.222099	0.349154
LOC112444234	0.172395	0.149778
LOC112444235	0.794427	1.221293
LOC112444236	0.099659	0.074834
LOC112444237	0.0601	0.051542
LOC112444238	0.172545	0.09724
LOC112444239	0.356769	0.250805
LOC112444240	0.211245	0.424929
LOC112444241	0.071055	0.104576
LOC112444242	0	0
LOC112444243	0.141462	0.003718
LOC112444244	3.312236	4.005996
LOC112444245	0.621866	1.225767
LOC112444246	0.061622	0.012146
LOC112444247	0.833106	0.890656
LOC112444248	0.081156	0.018547
LOC112444249	0.390778	0.184527
LOC112444250	0.289487	0.356796

LOC112444251	0.854826	0.809767
LOC112444252	0.25066	0.207254
LOC112444253	0.139089	0.072239
LOC112444254	0.586396	0.18247
LOC112444255	0.529781	0.428793
LOC112444256	0.312241	0.272444
LOC112444276	0.017555	0.023991
LOC112444277	0.087694	0.022125
LOC112444278	0.049109	0.009014
LOC112444279	3.620954	1.91063
LOC112444280	0.013981	0
LOC112444281	0.795566	0.058691
LOC112444282	0.065125	0.014671
LOC112444283	0.204556	0.107521
LOC112444284	0.159326	0.414546
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LOC112444286	0.020895	0.014644
LOC112444287	0.017413	0.029289
LOC112444288	0.067097	0.070536
LOC112444289	0.055696	0.095146
LOC112444290	2.016276	1.359487
LOC112444291	0.166715	0.109538
LOC112444292	0.01388	0.03648
LOC112444293	0	0.043776
LOC112444294	0.176897	0.116684
LOC112444295	0.402847	3.259853
LOC112444296	3.077903	3.535752
LOC112444297	1.408962	4.237605
LOC112444299	0.143657	0.070961
LOC112444300	0.366848	0.341994
LOC112444301	0.076885	0.033947
LOC112444302	0.482155	0.386027
LOC112444303	0.041505	0.009696
LOC112444304	0.389895	0.005814
LOC112444305	1.053909	0.655678
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LOC112444307	0.34516	0.290282
LOC112444308	0.027613	0.029028
LOC112444309	0.483223	0.021771
LOC112444310	0.059757	0.028994
LOC112444311	0.089582	0.057953
LOC112444313	0.268627	0
LOC112444314	0.018361	0.398919
LOC112444315	0.061922	0.101261
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LOC112444317	0.092837	0.1042
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LOC112444320	0.317328	0.390987
LOC112444321	0.025591	0.026903

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LOC112444324	0.197788	0.757616
LOC112444326	0.027273	0.057342
LOC112444327	0.038618	0.043782
LOC112444328	0.27022	0.327041
LOC112444329	1.137591	0.80521
LOC112444330	0.123881	0.136584
LOC112444331	0.475329	0.28554
LOC112444332	0.104059	0.309154
LOC112444333	0.018176	0.019108
LOC112444334	0.893728	0.284709
LOC112444335	0.06769	0.124021
LOC112444336	0.222849	0.227173
LOC112444337	0.060777	0
LOC112444338	0	0
LOC112444339	0.013494	0.014186
LOC112444340	0.218094	0.068546
LOC112444341	0.238685	0.008094
LOC112444342	1.118077	0.254904
LOC112444343	0.808249	0.261984
LOC112444344	0.037601	0.033881
LOC112444345	0.030691	0.00605
LOC112444346	0.899421	0.070562
LOC112444347	0.210651	0.091683
LOC112444348	1.153816	4.287673
LOC112444349	5.690517	3.364114
LOC112444350	0.014861	0.043745
LOC112444351	0.307456	0.338831
LOC112444352	2.07891	7.403471
LOC112444353	0.801293	0.62977
LOC112444355	0.113517	0.042118
LOC112444357	0.863121	1.148236
LOC112444358	0.02222	0.056061
LOC112444359	0.084371	0.076247
LOC112444360	0	0
LOC112444361	0.618606	0.125868
LOC112444362	0.097516	0.055917
LOC112444363	0.04318	0.07682
LOC112444364	0.053145	0.013967
LOC112444365	0.006626	0.010449
LOC112444366	14.06187	8.518833
LOC112444367	0.044136	0.00464
LOC112444368	0.006592	0.003465
LOC112444369	1.405968	2.424906
LOC112444370	0.686411	0.527631
LOC112444371	0.399596	0.101558
LOC112444372	1.163746	0.44286
LOC112444373	0.059933	0.018441
LOC112444374	0	0

LOC112444375	0.452094	0.397899
LOC112444376	0.12483	0.069068
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LOC112444378	0.599892	0.345242
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LOC112444381	0.098974	0.013742
LOC112444382	0.266885	0.102646
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LOC112444385	0.01952	0.01368
LOC112444386	0.035769	0.04649
LOC112444387	0.019297	0.041455
LOC112444388	0.077982	0.04099
LOC112444389	0.32709	0.267571
LOC112444390	0.347878	0.113575
LOC112444391	0.175019	0.068145
LOC112444459	0.047502	0.043581
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LOC112444461	0.030225	0.018157
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LOC112444463	1.059981	0.777982
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LOC112444470	0.034257	0.049518
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LOC112444474	0.022659	0.019354
LOC112444475	1.02564	0.060273
LOC112444476	0.025426	0.026729
LOC112444477	0.07458	0.0787
LOC112444478	0.981533	1.338731
LOC112444479	0.166786	0.060986
LOC112444480	0.034823	0.026624
LOC112444481	0.006749	0.021284
LOC112444482	0.003615	0.0038
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LOC112444484	0.164416	0.20276
LOC112444485	0.076804	0.009198
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LOC112444491	0.426881	0.409166
LOC112444492	1.159002	2.429503

LOC112444493	1.119381	0.206116
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LOC112444497	1.794896	0.871382
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LOC112444503	0.104138	0.12061
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LOC112444505	0.007394	0.028503
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LOC112444507	0.02913	0.017729
LOC112444508	1.532225	0.917493
LOC112444509	0.124606	0.232251
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LOC112444511	0.075783	0.084807
LOC112444512	0.00611	0.019268
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LOC112444514	0.012194	0.115368
LOC112444515	0.430615	0.427064
LOC112444516	0.109554	0.010969
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LOC112444520	0.060666	0.082909
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LOC112444523	0.29297	0.508022
LOC112444524	0.617917	0.928895
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LOC112444535	0.326535	0.30141
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LOC112444538	0.169115	0.374365
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LOC112444540	1.634891	3.650038
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LOC112444543	0.005939	0.012487

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LOC112444551	0.110769	0.248721
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LOC112444589	0.469554	0.234673
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LOC112444594	0.066907	0.049733
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LOC112444613	0.113604	0.017914
LOC112444614	0.17785	0.29139
LOC112444615	0.164486	0.166955
LOC112444616	0.011344	0.035776
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LOC112444618	0.17468	0.094779
LOC112444619	0.247753	0.526826
LOC112444620	0.583904	0.513497
LOC112444621	0.224578	0.454474
LOC112444622	0.08559	0.066376
LOC112444623	0.973053	0.235834
LOC112444624	0.338331	0.253491
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LOC112444626	0.199938	0.465774
LOC112444627	0.099214	0.10626
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LOC112444635	0.035286	0.001952
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LOC112444637	0.285776	0.088756
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LOC112444639	0.033397	0.140435
LOC112444640	0.205505	0.110939
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LOC112444650	0.038493	0.017343
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LOC112444653	0.124323	0.01922
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LOC112444719	0.308408	0.867554
LOC112444720	0.032272	0.020356
LOC112444721	0.290298	0.154473
LOC112444722	0.011943	0.023854
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LOC112444724	0.23346	0.064883
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LOC112444729	0.28883	0.074972
LOC112444730	0.096122	0.179643
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LOC112444738	0.017699	0.037212
LOC112444739	0.05836	0.048802
LOC112444740	0.890398	0.239582
LOC112444741	0.04876	0.020058
LOC112444742	0.079473	0.100256
LOC112444743	0.259848	0.333519
LOC112444744	0.026428	0.11113

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LOC112444749	0.063362	0.627242
LOC112444750	0.474729	0.654328
LOC112444751	0.015491	0.100317
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LOC112444754	0.161431	0.068323
LOC112444755	0.070185	0.020408
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LOC112444761	0.525606	0.519723
LOC112444762	0.031224	0
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LOC112444764	0.321857	0.251038
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LOC112444770	0.095601	0.116799
LOC112444771	0.420811	0.21712
LOC112444772	0.113499	0.113893
LOC112444773	0.020595	0.013532
LOC112444774	0	0.016227
LOC112444775	0.051453	0.005409
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LOC112444782	0.051047	0
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LOC112444785	0.074804	0.025021
LOC112444786	3.808315	1.637807
LOC112444787	0.071185	0.062616
LOC112444788	0	0.010691
LOC112444789	0.182808	0.181502
LOC112444790	0.226743	0.177885
LOC112444791	0.101427	0.234578
LOC112444792	0.245619	0.09917
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LOC112444794	0.111424	0

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LOC112444799	0.128078	0.925365
LOC112444800	0.04036	0.010607
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LOC112444850	0.384998	0.550021
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LOC112444860	0.152045	0.090231
LOC112444861	0.519895	0.47436
LOC112444862	0.131641	0.190999
LOC112444863	0.225149	0.200204
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LOC112444867	0.762295	1.043486
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LOC112444872	0.101712	0.010183
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LOC112444874	0.295221	0.705044
LOC112444875	0.294856	0.208893
LOC112444876	0.058092	0.198287
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LOC112444879	1.973269	1.186339
LOC112444880	0.116284	0.08038
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LOC112444883	0.041962	0.036093
LOC112444884	0.159537	0.287669
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LOC112444887	0.321106	0.238655
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LOC112444895	1.918635	1.216123
LOC112444896	0.05643	0.079097
LOC112444897	0.170369	0.115641
LOC112444898	0.530422	0.054281
LOC112444899	0.004694	0.039477
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LOC112444901	1.864829	2.659866
LOC112444902	0.449536	0.167372
LOC112444903	0.052026	0.084227
LOC112444904	0.175494	0.317323
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LOC112444906	0.104728	0.436451
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LOC112444925	0.002292	0.014458
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LOC112444927	0.701434	0.695756
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LOC112444930	0.379833	0.512567
LOC112444931	0.189026	0.30561
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LOC112444939	0.037217	0.016598
LOC112444940	0	0.018948
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LOC112444943	0.077042	0.072576
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LOC112444945	0.073511	0.123016
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LOC112444947	0.014386	0
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LOC112444949	0.165948	0.05658
LOC112444950	0.035839	0.249606
LOC112444951	0.199298	0.047082
LOC112444952	0.017909	0.01412
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LOC112444956	0.035695	0.028143
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LOC112444959	0.083844	0.106603
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LOC112444963	0.381412	0.252607
LOC112444964	0.510637	0.430198
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LOC112444976	0.0971	0.041759
LOC112445001	0.013241	0.00464
LOC112445002	0.04085	0.132284
LOC112445003	0.15439	0.306058
LOC112445005	1.265276	0.213192
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LOC112445007	0.178847	0.111651
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LOC112445010	0.084912	0.35398
LOC112445011	0.008782	0.041546
LOC112445012	0.03952	0.032314
LOC112445013	0.008782	0
LOC112445014	0.512013	0.692047
LOC112445015	0.066663	0.031351
LOC112445016	0.288999	0.35675
LOC112445017	2.299451	0.635007
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LOC112445021	0.178888	0.091885
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LOC112445026	0.098677	0.077801
LOC112445027	0.928028	0.623469
LOC112445028	0.008674	0
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LOC112445034	0.021625	0.022734
LOC112445035	0.035446	0.006362
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LOC112445038	0.296537	0.447557
LOC112445039	0.066667	0.106257
LOC112445040	0.006439	0.004513
LOC112445041	0.918399	0.324833
LOC112445042	0.075103	0.027069
LOC112445043	0.114316	0.118673
LOC112445044	0.020577	0.037855
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LOC112445047	0.101963	0.054719

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LOC112445052	0.001704	0.003583
LOC112445053	0.030662	0.075212
LOC112445054	0.076592	0.031313
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LOC112445061	0.474879	0.276355
LOC112445062	0.208869	0.370904
LOC112445063	0.386319	0.664259
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LOC112445065	0.016914	0.00889
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LOC112445068	0.025254	0.06637
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LOC112445079	0.136888	0.170228
LOC112445080	0.222406	0.707264
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LOC112445087	0.035916	0.063896
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LOC112445089	0.423439	0.269521
LOC112445090	0.103859	0.123859
LOC112445091	0.465799	2.101704
LOC112445092	0.253487	0.207985
LOC112445093	0.088594	0.032489
LOC112445094	0.143536	0.030921
LOC112445095	0.039911	0.061936
LOC112445096	0.086396	0
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LOC112445116	0.136151	0.139617
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LOC112445122	0.012102	0.025444
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LOC112445132	0.019998	0.004205
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LOC112445135	0.061237	0.0783
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LOC112445137	0.039791	0.04183
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LOC112445140	0.032383	0.055883
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LOC112445148	0.925408	0.615303
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LOC112445153	0.029317	0.098623
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LOC112445164	0.641969	0.27049
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LOC112445170	0.11433	0.096152
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LOC112445172	0.070365	0.163938
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LOC112445176	0.166864	0.167444
LOC112445177	0.017686	0.13015
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LOC112445181	0.157332	0.167782
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LOC112445183	0.370475	0.254345
LOC112445184	0.317318	0.262102
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LOC112445187	0.105567	0.087197
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LOC112445189	0.050254	0.042264
LOC112445190	0.050221	0.343171
LOC112445191	0.812008	0.35568
LOC112445192	0.05263	0.031616
LOC112445193	0.082624	0.031585
LOC112445194	0.069091	0.017369
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LOC112445196	0.740667	1.379856
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LOC112445198	1.619309	1.836292
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LOC112445200	0.031774	0.022059

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LOC112445202	1.03356	0.228331
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LOC112445207	0.208901	0.133334
LOC112445208	0.039778	0.031363
LOC112445209	0.15409	0.203792
LOC112445210	0.092336	0.126816
LOC112445211	0.436718	0.002609
LOC112445212	0.089229	0.119208
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LOC112445214	0.007426	0.003123
LOC112445215	0.29686	0.499324
LOC112445216	0.225011	0.26254
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LOC112445219	0.177481	0.181914
LOC112445220	0.051703	0.062118
LOC112445221	0.083591	0.144736
LOC112445222	0.255321	0.232557
LOC112445223	0.158464	0.348669
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LOC112445226	0.193429	0.105533
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LOC112445229	0.03543	0.028256
LOC112445230	0.576721	0.562015
LOC112445231	0.11346	0.034628
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LOC112445240	0.161256	0.186322
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LOC112445242	0.05353	0.043875
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LOC112445244	0.021755	0.011435
LOC112445245	0.052549	0.019049
LOC112445246	0.549579	0.258467
LOC112445247	0.021684	0.015197
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LOC112445250	0.154752	0.049184

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LOC112445257	0.263385	0.333012
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LOC112445273	0.422652	0.481344
LOC112445274	0.017603	0.111029
LOC112445275	0.128237	0.01108
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LOC112445282	0.017491	0.011033
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LOC112445284	0.012962	0.029349
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LOC112445295	0.076003	0.108953
LOC112445296	0.010357	0.038108
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LOC112445302	0.356429	0.208967
LOC112445303	0.043335	0.187019
LOC112445304	0.159607	0.239698
LOC112445305	0.07349	0.07007
LOC112445306	0.00683	0
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LOC112445310	0.81319	0.23509
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LOC112445854	0.009009	0.002368
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LOC112445860	1.613696	0.961301
LOC112445861	0.391166	0.52049
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LOC112445864	0.006676	0.010527
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LOC112445869	0.078241	0.645764
LOC112445870	0.938946	0.70755
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LOC112445880	0.286767	0.027721
LOC112445881	0.009884	0.003464
LOC112445882	0.032943	0.016161
LOC112445883	0.003293	0.010387
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LOC112445885	0.019677	0
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LOC112445887	0.112712	0.022324
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LOC112445896	0.038966	0.06998
LOC112445897	0.103802	0.040921
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LOC112445899	0.24455	0.187281
LOC112445900	0.111701	0.085092
LOC112445901	0.072712	0.142687
LOC112445902	0.022612	0.027167
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LOC112445904	0.047351	0.029415
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LOC112445906	0.090186	0.074492
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LOC112445915	0.015906	0.040132
LOC112445916	0.134557	0.1907
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LOC112445931	0.031178	0
LOC112445932	0.317719	0.160453
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LOC112445935	0.628451	0.192966
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LOC112445940	0.004828	0.002175

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LOC112445942	0.284391	0.14995
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LOC112445947	0.027844	0
LOC112445948	0.148383	0.064995
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LOC112445960	0.627964	0.49914
LOC112445961	0.00611	0.032114
LOC112445962	0.103659	0.032051
LOC112445963	0.018278	8.752598
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LOC112445970	0.247689	0.066346
LOC112445971	0.09967	0.079378
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LOC112445973	0.10852	0.15211
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LOC112445975	0.060102	0.36962
LOC112445976	0.089972	0.117284
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LOC112445980	0.089529	0.056471
LOC112445981	0.117198	0.330636
LOC112445982	0.157804	0.00626
LOC112445983	0.048594	0.011468
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LOC112445990	0.596719	0.842616

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LOC112445995	0.127008	0.032866
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LOC112446000	0.026452	0.029726
LOC112446001	0.187243	0.422141
LOC112446002	0.035004	0.067463
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LOC112446005	0.063957	0.100854
LOC112446006	0.037765	0.030539
LOC112446007	0.435257	0.317248
LOC112446008	0.231618	0.340886
LOC112446009	0.04622	0.085031
LOC112446010	0.210145	0.301029
LOC112446011	0.160547	0.494501
LOC112446012	0.103763	0.066661
LOC112446013	0.130584	0.032301
LOC112446014	0.019177	0.026209
LOC112446015	0.072382	0.076532
LOC112446016	0.033461	0.039101
LOC112446017	0.040158	0.051263
LOC112446018	0.113386	0.113168
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LOC112446023	0.047626	3.248349
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LOC112446026	0.131318	0.318114
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LOC112446028	0.302663	0.264317
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LOC112446030	0.096387	0.360609
LOC112446031	0.019801	0.014869
LOC112446033	0.467285	0.548681
LOC112446034	0.101686	0.803221
LOC112446035	0.023985	0.015574
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LOC112446104	0.170965	0.323512
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LOC112446794	0.281263	0.16391
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LOC112446871	0.133354	0.19208
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LOC112446905	0.054517	0.081443
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LOC112446968	0.057689	0.088213
LOC112446980	0.058911	0.063307
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LOC112447012	0.065267	0.05014
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LOC112447015	0.007446	0.027398
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LOC112447049	0.004723	0.007447
LOC112447050	0.115609	0.055394
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LOC112447071	0.071609	0.077708

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LOC112447076	0.098975	0.131875
LOC112447077	0.294594	0.410914
LOC112447078	0.039037	0.094146
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LOC112447080	0.242761	0.127602
LOC112447081	0.089887	0.245044
LOC112447082	0.076422	0.138829
LOC112447083	0.00911	0.015562
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LOC112447090	0.065424	0.053405
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LOC112447106	0.703056	1.55356
LOC112447107	0.160219	0.221965
LOC112447108	0.032154	0.037299
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LOC112447113	0.026497	0.006964
LOC112447114	0.178702	0.208736
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LOC112447116	0.060722	0.240724
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LOC112447121	0.047027	0.024197

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LOC112447123	0.004353	0.002288
LOC112447124	0.031902	0.097441
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LOC112447126	0.031937	0.049995
LOC112447127	0.066686	0.040705
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LOC112447130	0.042833	0.020263
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LOC112447133	0.270182	0.552366
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LOC112447137	0.531772	0.173647
LOC112447138	0.024304	0.005554
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LOC112447140	0.017488	0.019969
LOC112447141	0.135853	0.155851
LOC112447142	0.067517	0.135302
LOC112447143	0.021793	0.036953
LOC112447144	0.008436	0.02084
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LOC112447148	0.039483	0.037897
LOC112447149	0.025866	0.042626
LOC112447150	0.035647	0.045557
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LOC112447152	0.057872	0.065205
LOC112447153	0.05246	0.070387
LOC112447154	0.160206	0.236014
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LOC112447160	0.032852	0.002158
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LOC112447177	0.053362	0.078951
LOC112447178	0.018723	0.006216
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LOC112447181	0.032055	0.031635
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LOC112447185	0.105871	0.149078
LOC112447186	0.091922	0.106806
LOC112447187	0.026122	0.0417
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LOC112447189	0.065902	0.042418
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LOC112447191	0.028852	0.036397
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LOC112447203	0.045013	0.074925
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LOC112447216	0.036124	0.209352
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LOC112447219	0.551452	7.651126
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LOC112447221	0.127109	0.122974
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LOC112447228	0.010119	0.012001
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LOC112447232	0.112824	0.16316
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LOC112447291	0.008553	0.011427
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LOC112447293	0.539181	0.409012
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LOC112447295	0.159856	0.162511
LOC112447296	0.03395	0.109132
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LOC112447299	0.013962	0.014677
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LOC112447301	0.013044	0.031081
LOC112447302	0.42952	0.511864
LOC112447303	0.197885	0.105839
LOC112447304	0.033687	0.040862
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LOC112447306	0.032101	0.061688
LOC112447307	0.163805	0.215705
LOC112447308	0.12826	0.087497
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LOC112447316	0.045008	0.010713
LOC112447317	0.038162	0.036998
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LOC112447633	0.011946	0.019979

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LOC112447810	0.004384	0.012376
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LOC112447819	0.115217	0.21324
LOC112447820	0.056859	0.057257
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LOC112447835	0.007152	0.035486
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LOC112447855	0.004382	0.00835
LOC112447856	0.006352	0.011638
LOC112447857	0.031506	0.045113
LOC112447858	0.0376	0.062332
LOC112447859	0.042856	0.063833
LOC112447860	0.055881	0.292304
LOC112447861	0.020639	0.024056
LOC112447862	0.105301	0.142977
LOC112447863	0.024047	0.028625
LOC112447864	0.098247	0.146503
LOC112447865	0.009184	0.015172
LOC112447866	0.008106	0.013194
LOC112447867	0.005225	0.009887
LOC112447868	0.023771	0.020458
LOC112447869	0.024493	0.02301
LOC112447870	0.008848	0.005198
LOC112447873	0.037132	0.070082
LOC112447874	0.120552	0.19346
LOC112447875	0.018864	0.024944
LOC112447876	0.056827	0.115712
LOC112447877	0.044475	0.106133
LOC112447878	0.56683	0.382156
LOC112447879	0.196679	0.266444
LOC112447880	0.022507	0.022068
LOC112447881	0.007534	0.036431
LOC112447882	0.075371	0.067125
LOC112447883	0.016121	0.021839
LOC112447884	0.035816	0.038175
LOC112447885	0.019089	0.020849
LOC112447886	0.04543	0.077349
LOC112447887	0.034828	0.05364
LOC112447888	0.005355	0.005117
LOC112447890	0.02085	0.043327
LOC112447891	0.01355	0.077326
LOC112447892	0.041502	0.05682
LOC112447893	0.001905	0.003005

LOC112447894	0.032951	0.030142
LOC112447895	0.047675	0.051615
LOC112447896	0.040808	0.046619
LOC112447897	0.021637	0.042525
LOC112447898	0.02723	0.038003
LOC112447899	0.065553	0.059867
LOC112447900	0.04443	0.048846
LOC112447901	0.026208	0.041679
LOC112447902	0.029938	0.023113
LOC112447903	0.045831	0.040314
LOC112447904	0.118863	0.151417
LOC112447905	0.062986	0.072864
LOC112447906	0.007435	0.006839
LOC112447907	0.016689	0.042643
LOC112447908	0.014013	0.014609
LOC112447909	0.086013	0.111326
LOC112447910	0.024465	0.050953
LOC112447911	0.998386	2.957118
LOC112447912	0.063469	0.088803
LOC112447913	0.006383	0.011983
LOC112447914	0.030516	0.084748
LOC112447915	0.024083	0.016958
LOC112447916	0.021272	0.05757
LOC112447917	0.081069	0.073039
LOC112447918	0.050125	0.044505
LOC112447919	0.016441	0.016592
LOC112447920	0.03084	0.03028
LOC112447921	0.025989	0.060138
LOC112447922	0.155322	0.14691
LOC112447923	0.032697	0.041044
LOC112447924	0.022272	0.065738
LOC112447925	0.022694	0.06662
LOC112447926	0.057006	0.105545
LOC112447927	0.021415	0.032965
LOC112447928	0.00127	0.003559
LOC112447929	0.000423	0.000444
LOC112447930	0.064084	0.129014
LOC112447931	0.11349	0.115345
LOC112447932	0.404813	0.217178
LOC112447933	0.01767	0.017848
LOC112447934	0.008729	0.007429
LOC112447935	0.017438	0.023133
LOC112447936	0.06648	0.220367
LOC112447937	0.045521	0.129421
LOC112447938	0.087103	0.202116
LOC112447939	0.015398	0.036421
LOC112447940	0.004118	0.004762
LOC112447941	0.034868	0.057355
LOC112447942	0.030214	0.038172
LOC112447943	0.017409	0.029793

LOC112447944	0.013359	0.016172
LOC112447945	0.037539	0.044979
LOC112447946	0.047896	0.06643
LOC112447947	0.02452	0.033806
LOC112447948	0.004806	0.012211
LOC112447949	0.019771	0.024144
LOC112447950	0.055488	0.083932
LOC112447951	0.010538	0.009406
LOC112447952	0.011116	0.015024
LOC112447953	0.015412	0.018695
LOC112447954	0.025599	0.040159
LOC112447955	0.080235	0.10108
LOC112447956	0.042583	0.061904
LOC112447957	0.002727	0.007371
LOC112447958	0.015331	0.026114
LOC112447959	0.016275	0.047253
LOC112447960	0.015761	0.019801
LOC112447961	0.0115	0.013299
LOC112447962	0.016078	0.02817
LOC112447963	0.018926	0.02884
LOC112447964	0.026004	0.037095
LOC112447965	0.007969	0.023935
LOC112447966	0.093279	0.063779
LOC112447967	0.049429	0.041809
LOC112448000	0.172002	0.508838
LOC112448001	0.057151	0.077868
LOC112448002	0.018421	0.04466
LOC112448003	0.047447	0.072892
LOC112448004	0.030412	0.019143
LOC112448005	0.011291	0.014211
LOC112448006	0.026638	0.032866
LOC112448007	0.047632	0.059001
LOC112448008	0.084645	0.14312
LOC112448009	0.056794	0.162553
LOC112448010	0.02828	0.037908
LOC112448011	0.03858	0.061188
LOC112448012	0.045186	0.101516
LOC112448013	0.02641	0.028905
LOC112448014	0.01008	0.020436
LOC112448015	0.067934	0.063899
LOC112448016	0.016408	0.030749
LOC112448017	0.017446	0.027464
LOC112448018	0.048747	0.061643
LOC112448019	0.031541	0.040012
LOC112448020	0.101416	0.11719
LOC112448021	0.025596	0.016219
LOC112448022	0.007713	0.006266
LOC112448023	0.005253	0.009389
LOC112448024	0.053221	0.123151
LOC112448025	0.021119	0.017786

LOC112448026	0.016259	0.017827
LOC112448027	0.039058	0.116582
LOC112448028	0.026156	0.025449
LOC112448029	0.00191	0.002008
LOC112448030	0.007946	0.009443
LOC112448031	0.039584	0.055002
LOC112448032	0.09791	0.101285
LOC112448033	0.161281	0.216407
LOC112448034	0.032649	0.061852
LOC112448035	0.001358	0.001427
LOC112448036	0.009844	0.028191
LOC112448037	0.102272	0.088842
LOC112448038	0.006271	0.017284
LOC112448039	0.045392	0.070405
LOC112448040	0.014187	0.016808
LOC112448041	0.012815	0.029071
LOC112448042	0.01607	0.035548
LOC112448043	0.055966	0.056963
LOC112448044	3.807332	3.496174
LOC112448045	0.013339	0.050832
LOC112448046	0.027528	0.052153
LOC112448047	0.008637	0.010337
LOC112448048	0.030637	0.030538
LOC112448049	0.013683	0.035961
LOC112448050	0.009011	0.019403
LOC112448051	0.01722	0.035359
LOC112448052	0.010887	0.016158
LOC112448053	0.01371	0.015502
LOC112448054	0.005083	0.005009
LOC112448055	0.061511	0.113742
LOC112448056	0.051865	0.333056
LOC112448057	0.048281	0.062997
LOC112448058	0.023196	0.043568
LOC112448059	0.018336	0.018304
LOC112448060	0.040544	0.041976
LOC112448062	0.027679	0.019345
LOC112448063	0.074498	0.013403
LOC112448064	0.075836	0.08133
LOC112448065	0.023212	0.02986
LOC112448066	0.041841	0.026648
LOC112448067	0.028989	0.025182
LOC112448068	0.022208	0.027184
LOC112448069	0.045628	0.062996
LOC112448070	0.023944	0.028318
LOC112448071	0.023448	0.044077
LOC112448072	0.026208	0.037571
LOC112448073	0.040655	0.10638
LOC112448074	0.061877	0.073763
LOC112448075	0.025506	0.038283
LOC112448076	0.018509	0.030885

LOC112448077	0.122743	0.089924
LOC112448078	0.02917	0.025452
LOC112448079	0.0276	0.028252
LOC112448080	0.011314	0.016011
LOC112448081	0.021624	0.032128
LOC112448082	0.040652	0.081027
LOC112448083	0.165462	0.149332
LOC112448084	0.032798	0.018889
LOC112448085	0.011514	0.014495
LOC112448086	0.003673	0.005346
LOC112448087	0.039774	0.079735
LOC112448088	0.014651	0.016285
LOC112448089	0.033979	0.037485
LOC112448090	0.01425	0.01689
LOC112448092	0.030112	0.050122
LOC112448093	0.088872	0.113929
LOC112448094	0.008773	0.003952
LOC112448095	0.022202	0.056601
LOC112448096	0.014945	0.030956
LOC112448097	0.043981	0.091599
LOC112448098	0.040339	0.042638
LOC112448099	0.046269	0.073541
LOC112448100	0.166637	0.111072
LOC112448102	0.047277	0.037347
LOC112448103	0.016937	0.019241
LOC112448105	0.007905	0.008597
LOC112448106	0.033488	0.053237
LOC112448107	0.038491	0.041607
LOC112448108	0.019558	0.032471
LOC112448109	0.006735	0.00642
LOC112448110	0.020697	0.036451
LOC112448111	0.021795	0.020752
LOC112448112	0.059684	0.072872
LOC112448113	0.037942	0.056267
LOC112448114	0.099646	0.119485
LOC112448115	0.017747	0.028391
LOC112448116	0.006153	0.005929
LOC112448117	0.032767	0.038452
LOC112448118	0.029697	0.065878
LOC112448119	0.01765	0.051484
LOC112448120	0.025089	0.034904
LOC112448121	0.032788	0.045284
LOC112448122	0.015363	0.015375
LOC112448123	0.024535	0.062934
LOC112448124	0.005031	0.010325
LOC112448125	0.116577	0.061759
LOC112448126	0.075312	0.062736
LOC112448127	0.03039	0.036959
LOC112448128	0.042955	0.057382
LOC112448129	0.005151	0.009336

LOC112448130	0.012501	0.017214
LOC112448131	0.033675	0.050573
LOC112448132	0.038646	0.023391
LOC112448133	0.028485	0.042874
LOC112448134	0.160918	0.356545
LOC112448135	0.010612	0.032519
LOC112448136	0.008102	0.004495
LOC112448137	0.013441	0.022137
LOC112448138	0.045603	0.07577
LOC112448139	0.06236	0.157615
LOC112448140	0.013004	0.016682
LOC112448141	0.025274	0.038021
LOC112448142	0.028519	0.02815
LOC112448143	0.027523	0.035313
LOC112448144	0.078015	0.141904
LOC112448145	0.015955	0.019782
LOC112448146	0.013277	0.016616
LOC112448147	0.015849	0.019979
LOC112448148	0.009441	0.016983
LOC112448149	0.021382	0.026843
LOC112448150	0.008707	0.017749
LOC112448152	0.096909	0.191284
LOC112448153	0.032413	0.10434
LOC112448154	0.015525	0.035361
LOC112448155	0.053591	0.097432
LOC112448156	0.015758	0.044142
LOC112448157	0.011053	0.013114
LOC112448158	0.012976	0.012623
LOC112448159	0.043204	0.025895
LOC112448160	0.0273	0.05499
LOC112448161	0.010171	0.013165
LOC112448162	0.015405	0.026191
LOC112448163	0.023233	0.036868
LOC112448164	0.054944	0.10835
LOC112448165	0.029541	0.038184
LOC112448166	0.047208	0.040481
LOC112448167	0.019068	0.027696
LOC112448168	0.121504	0.164773
LOC112448169	0.017252	0.0231
LOC112448170	0.017317	0.018204
LOC112448171	0.04385	0.038651
LOC112448172	0.018193	0.03586
LOC112448173	0.02633	0.043077
LOC112448174	0.034822	0.045782
LOC112448175	0.008513	0.018256
LOC112448176	0.029664	0.040576
LOC112448177	0.025797	0.041832
LOC112448178	0.027749	0.038147
LOC112448179	0.016281	0.023534
LOC112448180	0.02464	0.036639

LOC112448181	0.017281	0.025717
LOC112448182	0.01307	0.014246
LOC112448183	0.039454	0.062131
LOC112448184	0.009247	0.014916
LOC112448185	0.019396	0.024234
LOC112448186	0.046292	0.076984
LOC112448187	0.080624	0.069494
LOC112448188	0.023085	0.084939
LOC112448189	0.017527	0.068528
LOC112448190	0.017681	0.026617
LOC112448191	0.040205	0.055327
LOC112448192	0.009104	0.016672
LOC112448193	0.013277	0.040639
LOC112448194	0.051241	0.071569
LOC112448195	0.011508	0.023016
LOC112448196	0.026656	0.023868
LOC112448197	0.007551	0.012132
LOC112448198	0.007354	0.008028
LOC112448199	0.043462	0.052068
LOC112448200	0.013112	0.024087
LOC112448201	0.052846	0.046147
LOC112448202	0.036416	0.014402
LOC112448203	0.004867	0.008955
LOC112448204	0.00691	0.008491
LOC112448205	0.098854	0.11367
LOC112448206	0.012762	0.022879
LOC112448207	0.02739	0.018561
LOC112448208	0.092068	0.185765
LOC112448209	0.04824	0.051896
LOC112448210	0.025162	0.04154
LOC112448237	0.016661	0.021072
LOC112448253	0.030567	0.037597
LOC112448254	0.007374	0.013055
LOC112448255	0.031038	0.046258
LOC112448256	0.071009	0.100227
LOC112448258	0.022751	0.041768
LOC112448259	0.008854	0.012323
LOC112448260	0.076848	0.158592
LOC112448261	0.054366	0.050173
LOC112448262	0.081464	0.092267
LOC112448263	0.016972	0.032463
LOC112448265	0.012277	0.01869
LOC112448266	0.029958	0.03658
LOC112448267	0.018228	0.025486
LOC112448268	0.005344	0.009204
LOC112448269	0.012141	0.010881
LOC112448270	0.015362	0.021802
LOC112448271	0.019886	0.009938
LOC112448272	0.032196	0.093022
LOC112448273	0.038266	0.035509

LOC112448274	0.002564	0.004205
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LOC112448276	0.022072	0.313752
LOC112448277	0.019373	1.22361
LOC112448278	0.007538	0.012192
LOC112448279	0.024579	0.02817
LOC112448280	0.034938	0.086906
LOC112448281	0.036363	0.026495
LOC112448282	0.027278	0.014114
LOC112448283	0.059545	0.089438
LOC112448284	0.018945	0.012516
LOC112448285	0.038798	0.046819
LOC112448286	0.016012	0.015483
LOC112448287	0.036875	0.035557
LOC112448288	0.008026	0.014305
LOC112448289	0.056473	0.08973
LOC112448290	0.028309	0.010359
LOC112448291	0.035532	0.022166
LOC112448292	0.015813	0.02269
LOC112448293	0.023962	0.015676
LOC112448294	0.010245	0.021921
LOC112448295	0.017725	0.024689
LOC112448296	0.008981	0.011373
LOC112448297	0.009548	0.012924
LOC112448298	0.0067	0.009711
LOC112448299	0.029797	0.050012
LOC112448300	0.00731	0.014358
LOC112448301	0.044386	0.069118
LOC112448302	0.028561	0.033305
LOC112448303	0.027469	0.030953
LOC112448304	0.024054	0.022464
LOC112448305	0.014567	0.018578
LOC112448306	0.008793	0.01311
LOC112448307	0.015483	0.030316
LOC112448308	0.017889	0.02295
LOC112448309	0.003998	0.007467
LOC112448310	0.030053	0.063396
LOC112448311	0.02038	0.02272
LOC112448312	0.007853	0.011615
LOC112448313	0.029794	0.035213
LOC112448314	0.012663	0.023621
LOC112448315	438.2146	155.9394
LOC112448316	0.023015	77.13003
LOC112448317	122.3909	175.3267
LOC112448318	0.079791	38.12906
LOC112448319	0.10006	0.325129
LOC112448320	162.2375	54.93088
LOC112448321	0	9.368346
LOC112448322	0.025701	18.90763
LOC112448323	39.12966	122.7924

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LOC112448325	0	0
LOC112448326	2.39641	0.844289
LOC112448327	9.450482	5.677093
LOC112448328	0.041163	0.021636
LOC112448329	72.9255	15.00189
LOC112448330	0.013577	5.866133
LOC112448331	43.53571	23.75104
LOC112448332	0.052075	0.027372
LOC112448333	0.009522	0.015571
LOC112448334	13.56099	31.57417
LOC112448335	50.11624	17.77478
LOC112448336	0.220695	11.33788
LOC112448337	0.023678	0.863733
LOC112448338	15.03342	48.43172
LOC112448339	0.007151	0.007518
LOC112448340	0.154621	0.507345
LOC112448341	0.009399	0.953535
LOC112448342	15.41472	5.495025
LOC112448343	28.55351	6.654127
LOC112448344	0.786951	7.232986
LOC112448345	10.16603	3.153819
LOC112448346	18.30762	14.76776
LOC112448347	10.46017	5.00773
LOC112448348	0	0.093045
LOC112448349	0.01208	0.004233
LOC112448350	7.842619	23.76909
LOC112448351	0	0
LOC112448352	0.285551	0.308375
LOC112448353	0	6.001637
LOC112448354	0.115809	0.104353
LOC112448355	9.587501	3.527634
LOC112448356	11.68609	13.62803
LOC112448357	0.027078	0.10869
LOC112448358	0.865808	0.904392
LOC112448359	18.48834	5.244218
LOC112448360	0	0.039216
LOC112448361	5.501317	0.056514
LOC112448362	4.507175	4.078461
LOC112448363	2.403032	1.369632
LOC112448364	0.136126	0.040887
LOC112448365	0.069973	0.098079
LOC112448366	3.219524	1.097502
LOC112448367	0.05079	0.188932
LOC112448368	0	0.029051
LOC112448369	9.521598	5.774812
LOC112448370	0	0.068402
LOC112448371	0.024037	3.752487
LOC112448372	5.769331	3.368019
LOC112448373	0.189074	0.180015

LOC112448374	0	0
LOC112448375	0.106735	0.202459
LOC112448376	0	0
LOC112448377	0.11719	0.090777
LOC112448378	13.59137	4.042606
LOC112448379	0.230732	5.546522
LOC112448380	0.330255	0.240358
LOC112448381	0	0
LOC112448382	10.02122	3.472749
LOC112448384	0.462508	1.042806
LOC112448387	1.649591	5.908951
LOC112448388	0.012608	0.08483
LOC112448390	0	0.344528
LOC112448392	9.442138	5.842536
LOC112448395	0.013151	0
LOC112448396	5.484242	9.608939
LOC112448398	0.163256	0.433828
LOC112448402	3.512661	3.224628
LOC112448404	1.38235	5.513333
LOC112448405	11.08455	3.564369
LOC112448408	0.008016	0
LOC112448409	3.538113	3.589843
LOC112448411	0	0.009043
LOC112448412	6.669374	1.89463
LOC112448413	10.2147	3.433114
LOC112448415	0.011819	0
LOC112448419	11.42562	1.79273
LOC112448420	2.252893	1.368068
LOC112448421	0	0.027326
LOC112448423	0	0
LOC112448429	0.975441	0.481647
LOC112448430	0	0
LOC112448433	11.4486	0.879668
LOC112448434	0.037407	0.061795
LOC112448436	0.607011	0.332936
LOC112448437	0.66729	5.236744
LOC112448444	0.145834	6.974546
LOC112448446	0.004738	0.014944
LOC112448447	0.724618	0.350545
LOC112448448	0.017548	2.075357
LOC112448453	3.805272	2.525208
LOC112448454	6.81142	3.383206
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LOC112448463	0	0.009317
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LOC112448468	0.027154	0.028546

LOC112448470	3.809873	1.967118
LOC112448474	1.609491	6.565943
LOC112448476	1.112066	0.637675
LOC112448481	3.57693	5.958602
LOC112448482	6.751212	2.055241
LOC112448484	0.010143	0.028434
LOC112448487	6.546814	3.568653
LOC112448488	5.20492	4.458442
LOC112448490	6.478305	3.133294
LOC112448492	0.037394	0.157242
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LOC112448495	0.529465	1.378261
LOC112448496	5.101931	4.246069
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LOC112448504	0.023584	0
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LOC112448507	0.012975	0.034101
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LOC112448510	4.121062	2.792307
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LOC112448513	0.55935	0
LOC112448514	1.889394	5.528782
LOC112448515	0.002218	2.009507
LOC112448516	3.249921	5.039355
LOC112448517	3.889415	4.615372
LOC112448518	0.459804	0.36253
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LOC112448522	0.783452	0.063355
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LOC112448525	1.698202	0.51289
LOC112448526	0.032129	0.028147
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LOC112448528	1.785244	1.027905
LOC112448529	0.03248	0.007588
LOC112448530	0.028318	0
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LOC112448532	0.040412	0.077887
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LOC112448534	5.826196	1.688626
LOC112448535	1.293662	4.285095
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LOC112448537	0.037252	1.571337
LOC112448538	0.400351	0.420873
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LOC112448541	0.83159	0.453569
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LOC112448596	2.287965	2.091518
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LOC112448620	2.93721	1.641508
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LOC112448622	0.054719	0.158191
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LOC112448624	3.777114	1.200453
LOC112448625	0.059118	2.384928
LOC112448626	0.213833	0.099908
LOC112448627	2.02822	1.179384
LOC112448628	2.617557	2.162076
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LOC112448743	0.006946	0
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LOC112448791	0.912845	2.591022
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LOC112448821	1.169193	2.011296
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LOC112448843	1.225907	0.60193
LOC112448844	0.795111	1.71337
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LOC112448846	0.197677	0.233968
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LOC112448851	1.613296	1.049901
LOC112448852	2.341395	0.637259
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LOC112448876	0.034056	0.023675
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LOC112448878	0.238266	0.225069
LOC112448879	0.64423	0.727052
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LOC112448882	1.578681	0.765971
LOC112448883	0.03112	0.06543
LOC112448884	1.804945	0.916018
LOC112448885	0.060748	0.034834
LOC112448886	0.211302	0.367819
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LOC112448888	1.679824	1.009104
LOC112448889	0.927697	0.31171
LOC112448890	0.944354	1.718617
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LOC112448893	0.044572	0.031238
LOC112448894	0	0.056909
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LOC112448897	0.818522	1.57637
LOC112448898	0.599937	1.401533
LOC112448899	1.488063	1.117387
LOC112448900	0.374767	1.358604
LOC112448901	0.774542	0.720154
LOC112448902	0.114597	0.065255
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LOC112448904	0.019989	0.66478
LOC112448905	0.043227	0.022721
LOC112448906	0.168396	0.299586
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LOC112448919	0.002845	0.002991
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LOC112449043	1.305284	0.762329
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LOC112449076	0.00792	0.070773
LOC112449077	0	0.151054
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LOC112449079	0.73897	0.556154
LOC112449080	0.437137	1.493521
LOC112449081	1.160252	0.762329
LOC112449082	0.249449	0.069009
LOC112449083	0.337356	1.510202
LOC112449084	0.030044	0.029921
LOC112449085	0.112829	0.355839
LOC112449086	0.636521	0.401489
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LOC112449090	1.347895	0.505187
LOC112449091	0.615057	1.044484
LOC112449092	0.056636	0.297698
LOC112449093	0.007355	0.042524
LOC112449094	0.14128	0.143807
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LOC112449096	1.186831	0.329573
LOC112449097	0.250985	0.314376
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LOC112449099	0.279734	0.294073
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LOC112449104	0.381862	0.477338
LOC112449105	0.379164	0.747889
LOC112449106	0.452204	0.795559
LOC112449107	0.045953	0.449271

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LOC112449110	0.409946	0.359382
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LOC112449112	0.371355	0.623124
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LOC112449114	0.05564	0.127618
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LOC112449116	0.008325	0
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LOC112449138	0.323536	0.346087
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LOC112449142	0.23074	0.382876
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LOC112449146	0.631562	1.043327
LOC112449147	0.538832	1.132906
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LOC112449154	0.504058	0.399594
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LOC112449181	1.13181	0.44949
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LOC112449290	0.173713	0.24349
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LOC112449296	0.531451	0.893909
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LOC112449316	0.238809	0.18058
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LOC112449319	0.004559	0.021566
LOC112449320	0.093311	0.030183
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LOC112449325	0.017423	0.05061
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LOC112449329	0.079992	0.084092
LOC112449331	0.073757	0.06203
LOC112449332	0.471428	0.261375
LOC112449334	0.178584	0.660322
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LOC112449337	0.886764	0.46611
LOC112449338	0.832113	0.329458
LOC112449339	0.729051	0.580291
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LOC112449341	0.092634	0.034779
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LOC112449347	0.008455	0.210367
LOC112449348	0.725158	0.609863
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LOC112449360	0.190204	0.082334
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LOC112449362	0.079396	0.022764
LOC112449363	0.228664	0.066661
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LOC112449365	0.559085	0.325641

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LOC112449371	0.519229	0.426682
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LOC112449376	0.012459	0.031433
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LOC112449378	0.254287	0.245647
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LOC112449382	0.315509	0.24569
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LOC112449384	0.028422	0
LOC112449385	0.360655	0.496955
LOC112449386	0.431453	0.190206
LOC112449387	0.020259	0.038837
LOC112449388	0.470593	0.477047
LOC112449389	0.525058	0.519847
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LOC112449391	0.09886	0.092692
LOC112449392	0.101396	0.223338
LOC112449393	0.267558	0.984456
LOC112449394	0.209778	0.368465
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LOC112449403	0.306957	0.35257
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LOC112449423	0.008811	0.003087
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LOC112449426	0.032506	0.030755
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LOC112449433	0.025503	0.040215
LOC112449434	0.200301	0.359001
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LOC112449569	0.009405	0.003296
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LOC112449571	0.69657	0.216499
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LOC112449590	0.142601	0.194002
LOC112449591	0.010993	0.013868
LOC112449592	0.010722	0.191618
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LOC112449594	0.470254	0.556154
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LOC112449600	0.223872	0.139069
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LOC112449610	0.31263	0.128332

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LOC112449630	0.033638	0.035362
LOC112449631	0.469966	0.509028
LOC112449632	0.531451	0.446955
LOC112449633	0	0.011259
LOC112449634	0.574755	0.402811
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LOC112449636	0.446572	0.528146
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LOC112449641	0.65507	0.148416
LOC112449642	0.549564	0.303167
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LOC112449644	0.009332	0.01962
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LOC112449650	0.304105	0.331299
LOC112449651	0.193749	0.174583
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LOC281376	0.054909	0.0418
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LOC407148	0.248743	0.185576
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LOC407201	0.293909	0.617949
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LOC504295	0.020229	0.023924
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LOC504766	0.017805	0.047835

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LOC504861	0.26347	0.152336
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LOC505339	0.318871	0.558693
LOC505349	0.289413	0.115537
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LOC506139	0.531451	0.335216
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LOC509005	0.21258	0.558693
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LOC509124	0.10231	0.008604
LOC509128	0.148372	0.418304
LOC509155	0.318871	0.446955
LOC509184	0.318871	0.446955
LOC509226	0.015893	0.010025
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LOC509415	0.059905	0.002999
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LOC509791	0.015339	0.002688
LOC509805	0.011184	0
LOC509810	0.397215	0.150003
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LOC509830	0.591176	0.15537
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LOC509972	0.547707	0.191928
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LOC510351	0.172214	0.090521
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LOC511106	0.172426	0.543795
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LOC511136	0.173941	0.239691
LOC511141	0.183639	0.233349
LOC511161	0.092258	0.070232
LOC511175	0.314137	0.121088
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LOC511240	0.397014	0.190377
LOC511264	0.060571	0.006368
LOC511302	0.202855	0.106626
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LOC511386	0.143689	0.060422
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LOC511401	0.075515	0.158772
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LOC511436	0.03421	0.031468
LOC511494	0.003619	0.007609
LOC511498	0.084122	0.097551
LOC511509	0.037092	0.138914
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LOC511570	0.015166	0.016703

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LOC511622	0.410038	0.291792
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LOC511657	0.040746	0.018358
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LOC511683	0.031975	0
LOC511687	0.43542	0.265489
LOC511695	0.006017	0.173955
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LOC511753	0.015169	0.023921
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LOC511847	0.099514	0.32099
LOC511865	0.318057	0.33436
LOC511898	0.240308	0.306067
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LOC512293	0	0.078432
LOC512323	0.081438	0.099881
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LOC512441	0.008885	0
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LOC512548	0.09699	0.050981
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LOC512859	0.323299	0.339872
LOC512863	0.223977	0
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LOC512953	0.030045	0.007896
LOC512956	0.312369	0.346524
LOC512973	0	0.016468
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LOC512998	0.126607	0
LOC513039	0.345992	0.242485
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LOC513101	0.273561	0.379088
LOC513151	0.012783	0
LOC513164	0.03062	0.042919
LOC513175	0.037384	0.043667
LOC513181	0.261252	0.087886
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LOC513241	0.017384	0.018275
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LOC513334	0.040773	0.04715
LOC513384	0.535116	0.109384
LOC513399	0.096688	0.050822
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LOC513494	0.339621	0.152144
LOC513508	0.05078	0
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LOC513580	0.078232	0.044859
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LOC513690	0.007265	0.061101
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LOC513706	0.060524	0.050901
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LOC513770	0.120806	0.0254
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LOC514057	0.237416	0.241077
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LOC514121	0.221008	0.156985
LOC514151	0.104209	0.176859
LOC514181	0.285946	0.064995
LOC514189	0.005819	0
LOC514235	0.059621	0
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LOC514406	0.125018	0.033917
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LOC514457	0.238744	0.376473
LOC514503	0.076239	0.099107
LOC514507	0.01562	0.012315
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LOC514552	0.015037	0.003952
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LOC514680	0.065534	0.0643
LOC514681	0.118763	0.093638
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LOC514861	0.014108	0
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LOC514978	0.00609	0.003201
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LOC515240	0.314156	0.238982
LOC515255	0.097742	0.229216
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LOC515358	0.391219	0.205637
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LOC515578	0.357222	0.096067
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LOC515676	0.340647	0.11937
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LOC515704	0.07502	0.011266
LOC515736	0	0
LOC515755	0.135994	0.015885
LOC515790	0.044557	0.046181
LOC515823	0.05785	0.03877
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LOC515862	0.146341	0.14398
LOC515887	0.139805	0.440915
LOC515953	0.321465	0.259244
LOC515991	0.12926	0.024535
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LOC516108	0.577812	0
LOC516132	0.16834	0.374135
LOC516179	0.041537	0.401733
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LOC516274	0.574755	0
LOC516355	0.001201	0.003789
LOC516378	0.25864	0.193087
LOC516396	0.404124	0.169936
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LOC516467	0.160707	0.406827
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LOC516599	0	0
LOC516636	0.082037	0.045907
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LOC516736	0.357749	0.16715
LOC516742	0.018235	0.014378
LOC516790	0.169963	0
LOC516849	0.160385	0.072911
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LOC517093	0.329998	0.231276
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LOC517252	0	0.004781
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LOC517722	0.186619	0.074114
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LOC517884	0.062338	0.235148
LOC517901	0.10629	0.446955
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LOC518080	0.071483	0.112721
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LOC518124	0.006559	0
LOC518129	0.267558	0.281273
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LOC518139	0.21258	0.335216
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LOC518318	0.253636	0.141481
LOC518422	0.057624	0.042141
LOC518437	0.019981	0.014003
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LOC519132	0.346266	0.185722
LOC519145	0.380781	0.150933
LOC519161	0.032906	0
LOC519176	0.531451	0
LOC519202	0.1018	0.049228
LOC519208	0.017986	0.02269
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LOC519274	0.139387	0.390751
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LOC519309	0.015145	0.021228
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LOC519492	0	0.021325
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LOC520162	0.150957	0.15076
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LOC525820	0.154808	0.133154
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LOC525863	0.074765	0.046667
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LOC527128	0.059198	0.004445
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LOC527186	0.101427	0.213253
LOC527195	0.054134	0.009485
LOC527216	0.017456	0.036702
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LOC528224	0.179178	0.090086
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LOC528807	0.280453	0.049138
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LOC529047	0.120342	0.26507
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LOC529277	0.174567	0.223066
LOC529284	0.272602	0.146783
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LOC530571	0	0.0289
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LOC530668	0.235127	0.164786
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LOC532291	0.017185	0.081298
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LOC538552	0.03709	0.083181
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LOC538702	0.106479	0.151323
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LOC539166	0.092049	0.273226
LOC539172	0.015941	0.008379
LOC539185	0.04278	0.056216
LOC539243	0.024323	0.019178
LOC539271	0.006945	0.004509
LOC539304	0.159325	0.17144
LOC539382	0.02872	0.007045
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LOC539883	0.218271	0.140637
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LOC540082	0.150912	0.129359
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LOC540354	0.029465	0.023232
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LOC541081	0.038364	0.080662
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LOC574091	0.168167	0.110028
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LOC613570	0.074196	0.155998
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LOC613956	0.013231	0.005058
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LOC613992	0	0.336368
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LOC614138	0.018641	0.036743
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LOC614219	0.1464	0.184685
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LOC614269	0.132134	0.138907
LOC614284	0.009678	0.006474
LOC614287	0.10629	0.223477
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LOC614402	0.052481	0.025464
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LOC615204	0.236621	0.079462
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LOC615223	0.05823	0.091823
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LOC615258	0.01165	0.012248
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LOC617122	0.020951	0.033037
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LOC617163	0.110059	0.173552
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LOC617183	0.068454	0.120478
LOC617189	0.037336	0.049955
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LOC617301	0.016212	0.030678
LOC617302	0.008452	0.008886
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LOC617396	0	0.056645
LOC617402	0.016284	0.048502
LOC617406	0.009172	0.009642
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LOC617571	0.013843	0.014553
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LOC618071	0.003994	0.056689
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LOC618076	0.116466	0.099273

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LOC618169	0.036949	0
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LOC618212	0.002446	0.001286
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LOC618219	0.024803	0.025369
LOC618220	0.080909	0.085057
LOC618256	0.008609	0.030771
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LOC781189	0.156751	0.082393
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LOC781245	0.093324	0.088764
LOC781246	0.115809	0.121745
LOC781254	0.111593	0.069655
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LOC781256	0.056282	0.102074
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LOC782221	0.080469	0.119745
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LOC782639	0.020446	0.010747
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LOC783561	0.109493	0.029554
LOC783562	0.148643	0.020835
LOC783563	0.114106	0.055364
LOC783565	0.006509	0
LOC783567	0.018193	0.057376
LOC783570	0.002927	0
LOC783574	0.028144	0
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LOC783582	0.072553	0.059323
LOC783583	0.027225	0.104943
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LOC783592	0.008237	0.019483
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LOC783673	0.01937	0.031999
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LOC783735	0.055872	0.080762

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LOC783857	0.04233	0.051242
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LOC783909	0.030063	0.089168
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LOC784119	0	0.006398
LOC784122	0.006531	0.006866
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LOC784380	0.004926	0
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LOC784399	0.074608	0.078432
LOC784406	0.074608	0.078432
LOC784408	0.074608	0.078432
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LOC784496	0.016186	0.054142
LOC784521	0.098843	0.051955
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LOC784761	0.013151	0.002765
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LOC784768	0.042565	0.067641
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LOC784773	0.045027	0.102305
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LOC785043	0.01968	0.015292
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LOC785064	0.028738	0.006042
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LOC785158	0.139805	0
LOC785161	0.021073	0.033612
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LOC785168	0.088306	0.029862
LOC785175	0.038355	0.100802
LOC785189	0.080772	0.058377
LOC785193	0.030587	0.042584
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LOC786119	0	0.012825
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LOC786149	0.070704	0.051261
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LOC786201	0.067643	0.039999
LOC786202	0.021161	0.074154
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LOC786242	0.02453	0.053354
LOC786251	0.091549	0.031555
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LOC786254	0.011514	0.014588
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LOC786350	0.029317	0.061639
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LOC786430	0.031428	0.088104
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LOC786489	0.046988	0.015599
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LOC786573	0.070463	0.039216
LOC786584	0.0128	0.037676
LOC786586	0.057475	0.060422
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LOC786978	0.012355	0.006494
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LOC787574	0	0.012229
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LOC787990	0.018757	0.039437
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LOC788126	0	0.101962
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LOC788201	0.038696	0.026366
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LOC788815	0.022106	0.069717
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LOC788898	0.02372	0.067473
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LOC789225	0	0
LOC789231	0.052133	0.036537
LOC789246	0	0.006866
LOC789247	0.032552	0.055997
LOC789258	0.011478	0
LOC789264	0.030765	0.051066
LOC789269	0.040465	0.047857
LOC789275	0.058021	0.025806
LOC789288	0.010629	0.011174
LOC789293	0.024723	0.009996
LOC789300	0	0.012696
LOC789301	0.088173	0
LOC789304	0.063542	0.009896
LOC789309	0.031614	0.042967
LOC789317	0.037063	0.031832
LOC789334	0.064654	0.023437
LOC789337	0.009054	0.022209
LOC789349	0.009712	0.010876
LOC789352	0.014289	0
LOC789358	0.030913	0.056871
LOC789364	0.049332	0.029635
LOC789367	0.020849	0.037991
LOC789374	0	0.087709
LOC789375	0	0.018167
LOC789376	0.043242	0.030542
LOC789384	0.063373	0.008328
LOC789388	0.007076	0.048882
LOC789393	0.033244	0.022134
LOC789418	0.015712	0.036922
LOC789457	0.029999	0.045653
LOC789459	0.074429	0.013041
LOC789481	0.021216	0.015441
LOC789494	0.050221	0.014665
LOC789503	0	0
LOC789504	0.023783	0.015626
LOC789551	0.011518	0.00173
LOC789554	0	0.08724
LOC789569	0.0105	0.011038
LOC789578	0.087182	0
LOC789580	0.011729	0.00548
LOC789581	0.017339	0
LOC789587	0.025194	0.047444

LOC789589	0.017407	0.01273
LOC789592	0.013293	0.023757
LOC789596	0.011974	0
LOC789605	0.086695	0
LOC789606	0.021231	0.010301
LOC789607	0.055657	0.030976
LOC789612	0.026249	0.016557
LOC789615	0	0.006711
LOC789626	0.009567	0
LOC789648	0.013345	0.008235
LOC789649	0.063949	0.022409
LOC789657	0.028353	0.019871
LOC789659	0.016661	0.010008
LOC789686	0.086213	0
LOC789688	0.010535	0.033226
LOC789690	0.068213	0.017927
LOC789694	0.026686	0.031371
LOC789697	0.018546	0.029245
LOC789715	0.028591	0.048553
LOC789716	0.011822	0.024856
LOC789732	0.050074	0.035891
LOC789733	0.005315	0.010667
LOC789738	0.019844	0.026077
LOC789748	0.077592	0.008157
LOC789753	0.085669	0
LOC789754	0.042936	0.042697
LOC789763	0.006526	0.002287
LOC789764	0.021229	0.007439
LOC789766	0.026503	0.017145
LOC789787	0	0.085502
LOC789799	0	0.085413
LOC789802	0	0.085413
LOC789803	0.018585	0.029306
LOC789808	0.009182	0.009653
LOC789810	0.026321	0.033106
LOC789812	0.000655	0.002756
LOC789815	0.041441	0.043565
LOC789817	0.023513	0.024718
LOC789829	0.017789	0.006234
LOC789841	0.009804	0.010307
LOC789861	0.022452	0.042042
LOC789865	0.036143	0.026126
LOC789867	0	0.00342
LOC789871	0.006275	0
LOC789895	0.012362	0.006498
LOC789898	0.017686	0.020282
LOC789923	0.003923	0
LOC789928	0	0
LOC789929	0.023292	0.019589
LOC789936	0.028096	0.01805

LOC789943	0.021375	0.036916
LOC789957	0.028037	0
LOC789960	0.049579	0.034747
LOC789961	0.058634	0.025683
LOC789990	0.030628	0.053664
LOC789996	0.02721	0.039144
LOC789997	0.021494	0.033893
LOC790004	0.027961	0
LOC790009	0.033526	0.050664
LOC790015	0.007964	0.009641
LOC790019	0	0.084092
LOC790024	0.045632	0.038376
LOC790033	0.014098	0.022763
LOC790037	0.031828	0.046553
LOC790098	0.011358	0.005117
LOC790101	0.030854	0.036952
LOC790111	0.00278	0
LOC790113	0.018462	0.01109
LOC790121	0	0.083661
LOC790131	0	0
LOC790134	0.049109	0.034417
LOC790152	0	0
LOC790154	0.083432	0
LOC790169	0.016015	0.067343
LOC790201	0.026848	0.056449
LOC790218	0	0.083234
LOC790266	0	0.011952
LOC790271	0.054403	0.028596
LOC790274	0	0.006642
LOC790312	0.030601	0.052275
LOC790324	0.003512	0.012921
LOC790343	0.012692	0
LOC790351	0.019477	0.0126
LOC790354	0.034899	0.019567
LOC790589	0.022721	0.059714
LOC790595	0.022153	0.03592
LOC790666	0.027345	0
LOC790683	0.04053	0.023671
LOC790871	0	0.005044
LOC790883	0	0.000418
LOC790886	0.007252	0.04574
LOC790896	0.017395	0.038918
LONP1	0.009872	0.010378
LONP2	0	0
LONRF1	0.023306	0.033284
LONRF2	0.028249	0
LONRF3	0	0.009463
LOR	0.003222	0.003387
LOX	0.010259	0.02876
LOXHD1	0.081676	0

LOXL1	0.02213	0.021212
LOXL2	0.038705	0.014361
LOXL3	0.012603	0.008833
LOXL4	0.05739	0.024133
LPAR1	0.010318	0.01343
LPAR2	0.016953	0.032302
LPAR3	0	0
LPAR4	0.011053	0.025176
LPAR5	0.035176	0.027734
LPAR6	0.013086	0.024193
LPCAT1	0.038139	0.00891
LPCAT2	0.005078	0.048045
LPCAT3	0.015207	0.037455
LPCAT4	0.009735	0.010235
LPGAT1	0.020263	0.027924
LPIN1	0	0.080762
LPIN2	0.020958	0.030518
LPIN3	0	0
LPL	0.00974	0.017065
LPO	0.042868	0.037555
LPP	0.008871	0.003109
LPXN	0.019889	0.010454
LRAT	0	0
LRBA	0.018171	0.02547
LRCH1	0.008238	0.010825
LRCH2	0.002422	0.005092
LRCH3	0.016359	0.02804
LRCH4	0.079786	0
LRCOL1	0.034043	0.008259
LRFN1	0.003922	0.022678
LRFN2	0.030039	0.049428
LRFN3	0.008569	0
LRFN4	0.009589	0.029632
LRFN5	0	0
LRG1	0.047927	0.031273
LRGUK	0	0.079193
LRIF1	0.04492	0.022037
LRIG1	0.041948	0.034946
LRIG2	0.029662	0.04199
LRIG3	0.038412	0.040381
LRIT1	0	0
LRIT2	0.005298	0.005569
LRIT3	0.025632	0.015398
LRMDA	0.032566	0.02536
LRMP	0.026125	0
LRP1	0.036647	0.042028
LRP10	0.021957	0.034624
LRP11	0.030508	0.048108
LRP12	0.037255	0.016184
LRP1B	0.00539	0.005666

LRP2	0.010363	0.017975
LRP2BP	0	0.078432
LRP3	0	0.078432
LRP4	0.040811	0.03754
LRP5	0.028882	0.035721
LRP6	0.008982	0.009442
LRP8	0.013164	0.057332
LRPAP1	0.067808	0.010183
LRPPRC	0.045822	0.032114
LRR1	0.032296	0.045623
LRRC1	0.027348	0.035359
LRRC10	0.022776	0.015963
LRRC10B	0.05757	0.020174
LRRC14	0.008593	0
LRRC14B	0	0.077685
LRRC15	0	0.077685
LRRC17	0	0.077685
LRRC18	0.039723	0.020879
LRRC19	0.067471	0.010133
LRRC2	0.077495	0
LRRC20	0	0.006208
LRRC23	0.010593	0.066814
LRRC24	0.024698	0.004327
LRRC25	0.012131	0.009564
LRRC26	0.048279	0.029002
LRRC27	0.023521	0.016955
LRRC28	0	0
LRRC3	0.006345	0.012923
LRRC30	0.007242	0.009245
LRRC31	0.014808	0.062267
LRRC32	0.010231	0.018823
LRRC34	0.009781	0.01131
LRRC36	0.032547	0.04448
LRRC38	0.024179	0.024741
LRRC39	0.020914	0
LRRC3B	0.005268	0.038763
LRRC3C	0.012794	0.008518
LRRC4	0	0.076952
LRRC40	0	0.076952
LRRC41	0.022057	0.029455
LRRC42	0.027944	0.048961
LRRC43	0.009819	0.002065
LRRC45	0.005878	0
LRRC46	0.012907	0.021056
LRRC47	0.076824	0
LRRC49	0.008489	0
LRRC4B	0.01968	0.041008
LRRC4C_1	0.020031	0.003829
LRRC4C_2	0.02463	0.036681
LRRC51	0.013032	0.013217

LRRC52	0.043396	0.02129
LRRC55	0.018502	0.048627
LRRC56	0.027515	0.028925
LRRC57	0	0
LRRC58	0.015244	0
LRRC59	0.025881	0.021766
LRRC6	0.022933	0.03711
LRRC61	0.004362	0
LRRC63	0	0
LRRC66	0.023039	0.031868
LRRC69	0	0
LRRC7	0	0.076233
LRRC71	0	0.076233
LRRC72	0	0.076233
LRRC73	0	0.076233
LRRC74A	0	0.076233
LRRC74B	0	0.076233
LRRC75A	0	0.076233
LRRC77	0	0.076233
LRRC8A	0	0.076233
LRRC8B	0	0.076233
LRRC8C	0	0.076233
LRRC8D	0	0.076233
LRRC8E	0.009915	0.016677
LRRC9	0.043699	0.018376
LRRCC1	0.008411	0
LRRD1	0.020075	0.035407
LRRFIP1	0.019685	0.045746
LRRFIP2	0	0.076075
LRRIQ1	0.010586	0.037094
LRRIQ3	0.021002	0.033118
LRRIQ4	0.016103	0.01172
LRRK1	0.028632	0.047299
LRRK2	0.016068	0.007112
LRRN1	0.009851	0
LRRN2	0.021165	0.002967
LRRN3	0	0
LRRN4	0.044593	0.031253
LRRN4CL	0.014169	0.016502
LRRTM1	0.075699	0
LRRTM2	0.012148	0.032839
LRRTM3	0.007112	0.011215
LRRTM4	0	0.075527
LRSAM1	0	0.075527
LRTM1	0.015472	0.013012
LRTM2	0.037188	0.020697
LRWD1	0	0.015611
LSAMP	0.019875	0.018282
LSG1	0.075332	0
LSM1	0.075332	0

LSM10	0.075332	0
LSM11	0.002712	0.002851
LSM12	0.019632	0.0285
LSM14A	0.002602	0.019148
LSM14B	0.026872	0.002354
LSM2	0.008328	0.026266
LSM3	0.017565	0.004616
LSM4	0.04417	0.030956
LSM5	0.024362	0.029879
LSM6	0.049187	0.025854
LSM7	0.036575	0.03845
LSM8	0	0.029618
LSMEM1	0	0.012279
LSMEM2	0.033638	0.041256
LSP1	0.014082	0.011103
LSR	0	0
LSS	0	0
LST1	0	0
LTA	0	0
LTA4H	0.010934	0.011494
LTB	0.014686	0.03638
LTB4R	0	0
LTB4R2	0.014289	0.060088
LTBP1	0	0
LTBP2	0.027613	0.009676
LTBP3	0.008489	0.008329
LTBP4	0.027503	0.003614
LTBR	0.025608	0.048457
LTC4S	0.041028	0.032983
LTF	0.073897	0
LTN1	0.017926	0.013046
LTV1	0.021908	0.025034
LUC7L	0.014159	0.05954
LUC7L3	0.026754	0.036562
LUM	0.020894	0.031379
LURAP1	0.051832	0.021795
LURAP1L	0.017745	0
LUZP1	0.039024	0.034187
LUZP2	0.0732	0
LUZP6	0.0732	0
LVRN	0.02009	0.004693
LXN	0.027249	0.03768
LY6D	0.010083	0
LY6E	0.014056	0.059108
LY6G5B	0.011895	0
LY6G5C	0.008816	0.003972
LY6G6C	0.020419	0
LY6G6E	0.026506	0.032509
LY6G6F	0.005385	0
LY6H	0.031382	0.041238

LY6L	0.020273	0.052313
LY75	0.027635	0.013234
LY86	0.006467	0.00136
LY9	0.072516	0
LY96	0.072516	0
LYAR	0.072516	0
LYG1	0.072516	0
LYG2	0.072516	0
LYL1	0.072516	0
LYN	0.072516	0
LYNX1	0.072516	0
LYPD1	0.072516	0
LYPD2	0.072516	0
LYPD3	0.072516	0
LYPD4	0.072516	0
LYPD5	0.072516	0
LYPD6	0.072516	0
LYPD6B	0.072516	0
LYPD8	0.072516	0
LYPLA1	0.005306	0.001395
LYPLA2	0	0
LYPLAL1	0.029001	0.039924
LYRM1	0	0.018687
LYRM2	0.015598	0.017028
LYRM4	0.027123	0.028945
LYRM7	0.011756	0
LYRM9	0	0
LYSB	0.025664	0.022907
LYSMD1	0.013583	0.016064
LYSMD2	0.044999	0.027032
LYSMD3	0	0
LYSMD4	0.022947	0.021501
LYST	0.031761	0.040191
LYVE1	0.01732	0.054622
LYZ	0.024053	0.029387
LYZ1_1	0.071844	0
LYZ1_2	0.029331	0.030835
LYZ2	0	0.008298
LYZ3	0.02651	0.045287
LYZL1	0	0
LYZL4	0.015784	0.021902
LYZL6	0.013741	0.057782
LZIC	0.018803	0.05271
LZTFL1	0	0.031413
LZTR1	0.025697	0.039515
LZTS1	0.048698	0.022753
LZTS2	0.013824	0.024662
LZTS3	0.020444	0.030341
M1AP	0	0.010254
M6PR	0.029589	0.037088

MAATS1	0.026747	0.033741
MAB21L1	0.071159	0
MAB21L2	0.00583	0.018385
MAB21L3	0.028305	0
MACC1	0	0.004353
MACF1	0.030669	0.040301
MACO1	0.017773	0.02069
MACROD1	0.019627	0.034388
MACROD2	0.017198	0.024226
MAD1L1	0.010581	0.022248
MAD2L1BP	0.027418	0.043235
MAD2L2	0.015395	0.024277
MADCAM1	0.028742	0.041836
MADD	0.003905	0.002053
MAEA	0.003779	0.027812
MAEL	0.01635	0.021711
MAF	0.004905	0.005156
MAF1	0.009111	0
MAFA	0.034225	0.035979
MAFB	0.025294	0.033037
MAFF	0.050522	0.019568
MAFG	0.018013	0.052076
MAFK	0	0
MAG	0.028339	0.041708
MAGEB1	0.024657	0.031812
MAGEB16	0.022546	0.047403
MAGED1	0.009931	0.013572
MAGED2	0	0
MAGED4B	0.065276	0.004575
MAGEE2	0.020527	0.049324
MAGEF1	0	0
MAGEH1	0.031778	0.016704
MAGEL2	0	0
MAGI1	0	0.069717
MAGI2	0.013719	0.00206
MAGI3	0.009076	0.013878
MAGOH	0.012097	0.005355
MAGOHB	0.03262	0.027232
MAGT1	0.040838	0.028621
MAIP1	0.036326	0.033096
MAJIN	0	0.025697
MAK	0	0
MAK16	0.020356	0.026981
MAL	0.045442	0.023886
MAL2	0.007997	0.009088
MALL	0.017635	0.03059
MALRD1	0.01894	0.027378
MALSU1	0.016668	0.052569
MALT1	0.022651	0.046566
MAMDC2	0.003184	0.021423

MAMDC4	0.023234	0.013152
MAML1	0.037304	0.031746
MAML2	0.068971	0
MAML3	0.002791	0.026992
MAMLD1	0.015105	0.027593
MAMSTR	0.024532	0.026363
MAN1A1	0.006824	0.007174
MAN1A2	0.03378	0.017756
MAN1B1_1	0.012752	0.018281
MAN1B1_2	0.019789	0.022883
MAN1C1	0.021929	0.026782
MAN2A1	0.062173	0.006536
MAN2A2	0.057553	0.011001
MAN2B1	0.027725	0.026037
MAN2C1	0	0.068546
MANBA	0	0
MANBAL	0.068303	0
MANBAP1	0.005528	0.005812
MANBAP2	0.024982	0.038421
MANEA	0.044657	0.023473
MANEAL	0	0
MANF	0.022979	0.014091
MANSC1	0.011792	0.019628
MANSC4	0.004908	0.00258
MAOA	0.020449	0.007166
MAOB	0.009076	0.007252
MAP10	0.007245	0
MAP1A	0.005055	0.010628
MAP1B	0.015016	0.019264
MAP1LC3A	0.013074	0
MAP1LC3B	0.004273	0.010483
MAP1LC3C	0.007873	0.004138
MAP1S	0	0
MAP2	0.009434	0
MAP2K1	0.032843	0.034527
MAP2K2	0.025518	0.002273
MAP2K3	0.022794	0.034177
MAP2K4	0.009261	0.005842
MAP2K5	0.010516	0.015075
MAP2K6	0.037834	0.029397
MAP2K7	0	0
MAP3K1	0.032739	0.034417
MAP3K10	0	0
MAP3K11	0.013655	0.019139
MAP3K12	0.012435	0.003268
MAP3K13	0	0.009649
MAP3K14	0.001969	0.008281
MAP3K15	0	0
MAP3K19	0.049422	0.017318
MAP3K2	0	0

MAP3K20	0.015057	0
MAP3K21	0	0
MAP3K3	0	0
MAP3K4	0.00988	0.037553
MAP3K5	0.014011	0.042196
MAP3K6	0.007101	0
MAP3K7	0.009215	0.009688
MAP3K7CL	0	0
MAP3K8	0	0
MAP3K9	0.018787	0.036679
MAP4	0.023605	0.042539
MAP4K1	0.064405	0.001693
MAP4K2	0	0
MAP4K3	0	0
MAP4K4	0.021287	0.044757
MAP4K5	0	0
MAP6	0.020498	0.022817
MAP6D1	0.032361	0.023552
MAP7	0.025814	0.004523
MAP7D1	0.040412	0.02549
MAP7D2	0	0
MAP9	0.054412	0.01144
MAPK1	0.042093	0.004917
MAPK10	0.012258	0.032215
MAPK11	0	0
MAPK12	0.044715	0.021029
MAPK13	0	0
MAPK14	0.008545	0.004492
MAPK15	0	0.065517
MAPK1IP1L	0	0
MAPK3	0.005904	0.010344
MAPK4	0.065478	0
MAPK6	0.005462	0.02584
MAPK7	0.027085	0.017626
MAPK8	0.011538	0.024259
MAPK8IP1	0	0
MAPK8IP2	0	0.065255
MAPK8IP3	0	0
MAPK9	0.065203	0
MAPKAP1	0.065203	0
MAPKAPK2	0.065203	0
MAPKAPK3	0.065203	0
MAPKAPK5	0.065203	0
MAPKBP1	0.065203	0
MAPRE1	0.015691	0.049486
MAPRE2	0.029031	0.036068
MAPRE3	0.010401	0.054671
MAPT	0.017937	0.018857
MARC1	0	0
MARC2	0.049422	0.015586

MARCH1	0.019825	0.033058
MARCH10	0.013674	0.011325
MARCH11	0.012517	0.033687
MARCH2	0.053672	0.011285
MARCH3	0.023291	0
MARCH4	0.036286	0.02861
MARCH5	0.031606	0.033226
MARCH6	0.004575	0.004809
MARCH7	0.016053	0.005625
MARCH8	0	0.064737
MARCH9	0.006373	0.004466
MARCKS	0.010346	0.054379
MARCKSL1	0	0
MARCO	0.039669	0.025021
MARF1	0.02053	0.023854
MARK1	0	0
MARK2	0.011752	0.02661
MARK3	0	0.064567
MARK4_1	0.028672	0.035883
MARK4_2	0.018297	0.00792
MARS	0.017545	0.038041
MARS2	0.038844	0.025522
MARVELD1	0.011229	0.05312
MARVELD2	0.01722	0.047066
MARVELD3	0.01251	0.019091
MAS1	0.038444	0
MASP1	0.013167	0.031639
MASP2	0.032777	0.031325
MAST1	0.007101	0.027372
MAST2	0.01205	0.006142
MAST3	0.030284	0.026693
MAST4	0.020252	0.024193
MASTL	0.02107	0.042917
MAT1A	0.057287	0.006691
MAT2A	0	0
MAT2B	0	0
MATK	0.024909	0
MATN1	0	0.063869
MATN2	0.002494	0
MATN3	0.016325	0
MATN4	0.035317	0
MATR3	0.014092	0.027211
MAU2	0	0
MAVS	0.015084	0
MAX	0.029951	0.033585
MAZ	0	0
MB	0.002037	0.005353
MB21D2	0	0
MBD1	0.004738	0
MBD2	0.012652	0.025176

MBD3	0.041471	0.021798
MBD3L1	0.041438	0.021781
MBD3L3	0.014473	0.008453
MBD4	0.008694	0
MBD5	0.007585	0.007974
MBD6	0.019704	0.04327
MBIP	0.051385	0.011576
MBL1	0.045496	0.017392
MBL2	0.016965	0.03473
MBLAC1	0.017641	0.019972
MBLAC2	0.012753	0.029496
MBNL1	0.003459	0.003637
MBNL2	0	0
MBNL3	0.015081	0.047562
MBOAT1	0.032481	0.030129
MBOAT2	0.062574	0
MBOAT4	0.016858	0.027388
MBOAT7	0.040946	0.021522
MBP	0.023285	0.039166
MBTD1	0.008024	0.004218
MBTPS1	0	0
MBTPS2	0	0.004212
MC1R	0.012162	0.008523
MC2R	0.011456	0.026194
MC3R	0.006056	0.002122
MC4R	0.021178	0.013915
MC5R	0.014472	0.039789
MCAM	0.038768	0.023289
MCAT	0.010418	0.014838
MCC	0.008689	0.018269
MCCC1	0.030178	0.024404
MCCC2	0	0
MCCD1	0.024112	0.037697
MCEE	0.019921	0.041884
MCEMP1	0	0.061795
MCF2	0.013404	0.03787
MCF2L	0.015737	0.030235
MCF2L2	0.013535	0.004065
MCFD2	0.01128	0.020523
MCHR1	0.020734	0.030516
MCHR2	0.012841	0.028686
MCIDAS	0.025173	0.021422
MCL1	0.061581	0
MCM10	0	0.061562
MCM2	0.021085	0.005911
MCM3	0	0
MCM3AP	0	0
MCM4	0.017228	0.015847
MCM5	0.036425	0.013515
MCM6	0.018224	0.025545

MCM7	0.037666	0.023758
MCM8	0	0
MCM9	0.017517	0.035731
MCMBP	0.017613	0.025249
MCMDC2	0.017792	0.018704
MCOLN1	0	0
MCOLN2	0.052075	0.009124
MCOLN3	0.010882	0.00572
MCPH1	0.017444	0
MCRIP1	0.02544	0.035659
MCRIP2	0.026607	0.014808
MCRS1	0.001448	0
MCTP1	0.010803	0.028392
MCTP2	0.002014	0.00847
MCTS1	0.011873	0.00312
MCU	0.013494	0.047287
MCUB	0.011791	0.01478
MCUR1	0	0
MDC1	0.01018	0.014107
MDFI	0	0
MDFIC	0.007818	0.008219
MDFIC2	0	0.060534
MDGA1	0.026022	0.034493
MDGA2	0.011208	0.049274
MDH1	0.003894	0
MDH1B	0.015779	0.044661
MDH2	0.011686	0.028664
MDK	0.052452	0.007877
MDM1	0.027198	0.022135
MDM2	0.003649	0.006712
MDM4	0	0
MDN1	0	0
MDP1	0	0.008655
ME1	0.03629	0.023844
ME2	0.024801	0.02421
ME3	0.023942	0.020974
MEA1	0.004526	0.005948
MEAF6	0.004897	0.007437
MECOM	0.007928	0.008335
MECP2	0.01602	0.022455
MECR	0	0
MED1	0.004242	0.00446
MED10	0	0
MED11	0.033804	0.02606
MED12	0.030063	0.029629
MED12L	0.038643	0.012829
MED13	0	0
MED13L	0.029988	0.007275
MED14	0.035216	0.009255
MED14OS	0	0.005524

MED15	0.027289	0.024863
MED16	0.034962	0.024503
MED17	0	0
MED18	0	0
MED19	0.048127	0.011243
MED20	0.012277	0.012907
MED21	0	0
MED22	0.002228	0.001171
MED23	0	0
MED24	0.021841	0.012965
MED25	0.007126	0.018193
MED26	0.033972	0.024999
MED27	0	0
MED28	0.016769	0.015866
MED29	0.003355	0
MED30	0	0.012184
MED31	0.058782	0
MED4	0.058782	0
MED6	0.02376	0.031094
MED7	0.017394	0.013714
MED9	0.058655	0
MEDAG	0.046393	0.012193
MEF2A	0.014147	0.02028
MEF2B	0	0
MEF2C	0	0
MEF2D	0.026721	0.031602
MEFV	0.022622	0.035672
MEG3	0.036404	0.021868
MEG8	0.016293	0.021533
MEG9	0	0
MEGF10	0.014289	0.006438
MEGF11	0.018228	0.003194
MEGF6	0.005748	0.006042
MEGF8	0.028289	0.029739
MEGF9	0.019413	0.017746
MEI1	0.018652	0.039216
MEI4	0.027654	0.03019
MEIG1	0.007561	0.042394
MEIKIN	0.003702	0.007783
MEIOB	0.023853	0.033926
MEIOC	0.024645	0
MEIS1	0.010921	0.021343
MEIS2	0.01703	0.024789
MEIS3	0	0
MELK	0.021162	0.026697
MELTF	0.025744	0.020298
MEMO1	0.015851	0.041659
MEN1	0.002239	0.001177
MEOX1	0.057475	0
MEOX2	0	0

MEP1A	0.011029	0.046379
MEP1B	0.008496	0.018714
MEPCE	0.007415	0.011408
MEPE	0.010322	0.018989
MERTK	0	0
MESD	0.006222	0.009559
MESP1	0.009799	0.034338
MESP2	0.039034	0.018238
MEST	0.035306	0.021932
MET	0.009632	0.018732
METAP1	0.021171	0.023846
METAP1D	0.024221	0.032951
METAP2	0	0.057141
METRN	0.013494	0.017919
METRNL	0	0.001424
METTL1	0.005655	0.005945
METTL11B	0.019733	0.037341
METTL13	0.057053	0
METTL14	0.017383	0.029695
METTL15	0.036613	0.008882
METTL16	0.01782	0.003122
METTL17	0.009075	0.047701
METTL18	0.003937	0.007095
METTL21A	0.007888	0.008292
METTL21C	0.015628	0.041072
METTL21E	0.026809	0.022402
METTL22	0.002287	0.007214
METTL23	0.010047	0.024005
METTL24	0.021526	0.034973
METTL25	0.04365	0.012848
METTL26	0.018576	0.014646
METTL27	0.023113	0.012149
METTL2A	0.011417	0.045008
METTL3	0.010244	0.011403
METTL4	0.019486	0.036872
METTL5	0.009499	0.041369
METTL6	0.000982	0.001376
METTL7A	0.056308	0
METTL7B	0.016254	0.006408
METTL8	0	0.056255
METTL9	0.036861	0.019375
MEX3A	0.010629	0.02421
MEX3B	0.011647	0.011131
MEX3C	0.037602	0.018602
MEX3D	0.017619	0.015546
MFAP1	0.013518	0.042632
MFAP2	0.009761	0.027543
MFAP3	0.007089	0.031298
MFAP3L	0.020721	0.026404
MFAP4	0.047724	0.008362

MFAP5	0.009232	0.007466
MFF	0.01536	0.036544
MFGE8	0.013531	0.012193
MFHAS1	0.00683	0.021541
MFN1	0	0
MFN2	0.014174	0.024349
MFNG	0	0.055742
MFRP	0.006158	0
MFSD1	0.014681	0.022635
MFSD10	0.008898	0.046771
MFSD11	0.014551	0.003642
MFSD12	0.016282	0.027741
MFSD13A	0.049109	0.006453
MFSD14A	0.020189	0.035373
MFSD14B	0.027083	0.028471
MFSD2A	0.027073	0.028461
MFSD2B	0.004056	0.030381
MFSD3	0.010019	0.011849
MFSD4A	0.002322	0.00122
MFSD4B	0.003541	0.007444
MFSD5	0.009184	0.004922
MFSD6	0.019114	0.019121
MFSD6L	0	0.055114
MFSD8	0.009379	0.006573
MFSD9	0.028388	0.02089
MGA	0	0.0044
MGAM	0.024303	0.020439
MGARP	0	0
MGAT1	0	0.028007
MGAT2	0.026959	0.012399
MGAT3	0	0
MGAT4A	0.040541	0.014207
MGAT4B	0.016391	0.028001
MGAT4C	0.016309	0.013335
MGAT4D	0.054642	0
MGAT5	0.006942	0.012771
MGAT5B	0.01711	0.026811
MGC126945	0.010732	0.003761
MGC127055	0.007519	0
MGC127133	0.040401	0.014157
MGC133636	0.002014	0.002117
MGC133647	0.004828	0
MGC134040	0	0
MGC134105	0.05445	0
MGC134179	0	0
MGC134232	0	0.001137
MGC137014	0	0
MGC137030	0.01389	0.004259
MGC137036	0	0
MGC137055	0	0.010101

MGC137098	0.042868	0.011266
MGC137211	0.022512	0.031555
MGC137454	0.026406	0.021504
MGC138914	0.015293	0.0076
MGC139164	0.036812	0.0172
MGC140080	0	0
MGC148318	0.013472	0.015544
MGC148714	0.053883	0
MGC151921	0.004718	0.023145
MGC152010	0.011305	0.007923
MGC152281	0.005177	0
MGC157082	0.053717	0
MGC157368	0.00717	0.005653
MGC157405	0.001596	0
MGC157408	0.044288	0.009312
MGLL	0.025901	0.023048
MGME1	0.016449	0.019512
MGMT	0.018028	0.035433
MGP	0.011785	0
MGRN1	0.018556	0.002787
MGST1	0.005278	0.005549
MGST2	0.010938	0.008473
MGST3	0.042169	0.011083
MIA	0.005597	0.011768
MIA2	0.02837	0.024854
MIA3	0.001079	0.003404
MIB1	0.017655	0
MIB2	0.003934	0
MIC1	0.039674	0.011059
MICAL1	0.053145	0
MICAL2	0	0
MICAL3	0.03056	0.022489
MICALL1	0	0.01493
MICALL2	0.011518	0.024217
MICU1	0.00768	0.010093
MICU2	0.008718	0.009165
MICU3	0.002191	0.050678
MID1	0.017601	0.03172
MID1IP1	0.030183	0.022664
MID2	0.022001	0.030839
MIDN	0.017848	0.026701
MIEF1	0.024319	0.02237
MIEF2	0	0.023195
MIEN1	0.0105	0
MIER1	0.018563	0.03415
MIER2	0	0
MIER3	0.031106	0.009886
MIF	0.009073	0.021366
MIF4GD	0.01212	0.016988
MIGA1	0.018469	0.012944

MIGA2	0.017933	0.034563
MIIP	0.008003	0.004207
MILR1	0	0
MINDY1	0.052427	0
MINDY2	0.005795	0
MINDY3	0.019959	0.030425
MINDY4	0.034238	0.017997
MINDY4B	0.011123	0.005197
MINK1	0.015906	0.020703
MINOS1	0.022286	0
MINPP1	0.010336	0.008451
MIOS	0.010009	0.042089
MIOX	0.018332	0.033726
MIP	0.014125	0
MIPEP	0.018556	0.033441
MIPOL1	0.020778	0.031205
MIR100	0.015037	0.036885
MIR101-1	0	0
MIR101-2	0.004591	0
MIR103-1	0.017541	0.012394
MIR103-2	0.051771	0
MIR105A	0.006189	0.045545
MIR105B	0.017878	0.033831
MIR106A	0.003795	0.047876
MIR106B	0.014123	0.018494
MIR107	0.014103	0.019233
MIR10A	0.005847	0.00922
MIR10B	0.051581	0
MIR1-1	0.011536	0.012127
MIR1179	0.018639	0.032868
MIR1185	0.019116	0.007623
MIR1193	0.007901	0
MIR1197	0.022233	0.029215
MIR1-2	0.014396	0
MIR122	0.040704	0.010698
MIR1224	0.02503	0.026313
MIR1225	0.013558	0.012995
MIR1246	0.012346	0.038935
MIR1247	0.037973	0.013307
MIR1248-1	0.019991	0.025519
MIR1248-2	0.029639	0.021571
MIR1249	0.03356	0.01764
MIR124A-1	0.0405	0.010644
MIR124A-2	0.010389	0.015132
MIR124B	0.019036	0.032019
MIR1251	0.012934	0.011654
MIR1256	0	0
MIR125A	0.008397	0.008828
MIR125B-1	0.01385	0.017129
MIR125B-2	0	0

MIR126	0.001584	0.003329
MIR1260B	0.022311	0.024323
MIR127	0.014586	0.015334
MIR1271	0.019301	0.0186
MIR1277	0.044194	0.006637
MIR1281	0.050797	0
MIR128-1	0.0137	0.03021
MIR1282	0.035724	0.015022
MIR128-2	0.005697	0.005989
MIR1284	0	0
MIR1287	0.022323	0.028357
MIR1291	0.039398	0
MIR129-1	0.024691	0.025957
MIR129-2	0.033159	0.017429
MIR1296	0.022683	0.020788
MIR1298	0.011387	0.00855
MIR1301	0.017696	0.032741
MIR1306	0.034275	0.016152
MIR1307	0.032124	0.018292
MIR130A	0.008372	0.001467
MIR130B	0.028734	0.013541
MIR132	0.025328	0.014644
MIR133A-1	0.008712	0.012211
MIR133A-2	0.009627	0.040481
MIR133B	0.039655	0.010422
MIR133C	0.002849	0.008987
MIR134	0.029409	0.020611
MIR1343	0.024598	0.014366
MIR135A-1	0.021061	0.018734
MIR135A-2	0.010001	0.02278
MIR135B	0.012099	0.029677
MIR136	0.026573	0.023279
MIR137	0.028706	0.021124
MIR138-1	0.003032	0
MIR138-2	0.021277	0
MIR1388	0.007472	0.003927
MIR139	0	0.049737
MIR140	0	0.049737
MIR141	0	0.004565
MIR142	0.009538	0.040108
MIR143	0.049632	0
MIR1434	0	0
MIR144	0.008777	0.023068
MIR145	0.015952	0.03354
MIR1468	0.007302	0.012793
MIR146A	0.017312	0.018199
MIR146B	0.01435	0.023382
MIR147	0.001192	0
MIR148A	0.003244	0
MIR148B	0.015972	0.01542

MIR149	0.026588	0
MIR150	0.011267	0.017767
MIR151	0.033791	0.015541
MIR152	0.009561	0.011976
MIR153-1	0.007246	0.017063
MIR153-2	0.016087	0.015577
MIR154A	0.008095	0.00851
MIR154B	0.028904	0.020257
MIR154C	0.049153	0
MIR155	0.009661	0.004182
MIR1584	0.017098	0.025165
MIR15A	0	0
MIR15B	0	0.049012
MIR1603	0	0.030817
MIR16A	0.011081	0.037858
MIR16B	0.01783	0.012496
MIR17	0.009394	0.039501
MIR1721	0.003907	0.020536
MIR1777A	0	0
MIR1777B	0.002776	0.01751
MIR1814A	0.015739	0.033091
MIR1814B	0.023795	0.025014
MIR1814C	0.017734	0.031072
MIR181A-1	0.0488	0
MIR181A-2	0.005319	0.013978
MIR181B-1	0.014221	0.03445
MIR181B-2	0.009382	0.031234
MIR181C	0.018058	0.018079
MIR181D	0.009303	0.012413
MIR182	0.012969	0.0356
MIR183	0.025095	0.02345
MIR1835	0.026356	0.022166
MIR1839	0.018455	0.004311
MIR184	0.017975	0.006299
MIR1842	0.048314	0
MIR1843	0.026231	0.022061
MIR185	0	0.016562
MIR186	0.01426	0.027412
MIR187	0.025878	0.007557
MIR188	0.019143	0.029017
MIR18A	0.018686	0.029465
MIR18B	0.021126	0.010722
MIR190A	0.016819	0.008251
MIR190B	0.00769	0.040421
MIR191	0	0.004455
MIR192	0	0
MIR193A	0.047955	0
MIR193A-2	0.019617	0.016454
MIR193B	0.014765	0.025709
MIR194-1	0.047896	0

MIR194-2	0.005803	0.012202
MIR195	0.03135	0.016479
MIR196A-1	0	0.004437
MIR196A-2	0.003537	0
MIR196B	0.014236	0.020822
MIR197	0.019084	0.028661
MIR199A-1	0.003524	0
MIR199A-2	0.047602	0
MIR199B	0.003312	0.003482
MIR199C	0.035162	0.012322
MIR19A	0.026527	0.020915
MIR19B	0.015832	0.025375
MIR19B-2	0.00773	0.002709
MIR200A	0.021119	0.00444
MIR200B	0.001307	0.002747
MIR200C	0.004801	0.025238
MIR202	0.018322	0.028891
MIR204	0.017147	0.030044
MIR205	0.013447	0.033711
MIR206	0	0.04715
MIR208A	0	0
MIR208B	0.012033	0.00759
MIR20A	0.011394	0
MIR20B	0.012123	0.03186
MIR21	0.047025	0
MIR210	0.047025	0
MIR211	0.037214	0.00978
MIR212	0.001671	0.028109
MIR214	0.022908	0.015583
MIR215	0.020746	0.026172
MIR216A	0.009012	0.037895
MIR216B	0.014957	0.015724
MIR217	0.046883	0
MIR218-1	0.001535	0.004519
MIR218-2	0.006139	0.015058
MIR219-1	0.007611	0
MIR219-2	0.019984	0.026738
MIR22	0.004155	0.004992
MIR221	0.008602	0.034232
MIR222	0.016651	0.011669
MIR223	0.046602	0
MIR224	0.013445	0.00257
MIR2284A	0	0
MIR2284AA-1	0.007667	0.00806
MIR2284AA-2	0.015278	0.020076
MIR2284AA-3	0.015008	0.031555
MIR2284AA-4	0.029805	0.016711
MIR2284AB	0	0.00963
MIR2284AC	0.005139	0
MIR2284B	0.018474	0.021579

MIR2284C	0.027321	0.019148
MIR2284E	0.034966	0.011487
MIR2284F	0	0.046452
MIR2284G	0.020024	0.026313
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MIR2285K-1	0.008808	0.007798
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MIR6121	0.002457	0.015498
MIR6122	0.008016	0.02528
MIR6123	0.001279	0
MIR615	0.006997	0.012153
MIR628	0.016893	0.016393
MIR631	0.009536	0.010553
MIR6516	0.024632	0.008632
MIR6517	0	0.003842
MIR6518	0.009153	0.024055
MIR6519	0	0
MIR652	0.012818	0.020356
MIR6520	0.033159	0
MIR6521	0	0
MIR6522	0.014319	0.018816
MIR6523A	0.004219	0
MIR6523B	0.00505	0.005781
MIR6524	0.016115	0.016941
MIR6525	0	0
MIR6527	0.004826	0.00964
MIR6528	0.026476	0.006494
MIR6529A	0.016065	0.016888
MIR6529B	0.032948	0
MIR653	0.017053	0.015818
MIR6530	0.008358	0.012652
MIR6531	0.012751	0.020107
MIR6532	0.014515	0.01647
MIR6534	0.006308	0.026527
MIR6535	0.009188	0
MIR6536-1	0.010882	0
MIR6536-2	0	0
MIR654	0.032739	0
MIR655	0.012206	0.02053
MIR656	0	0
MIR658	0.004591	0.009653
MIR660	0.025907	0.006809

MIR664A	0.017447	0.01525
MIR664B	0	0
MIR665	0.029255	0.003417
MIR669	0	0
MIR670	0.007311	0.006863
MIR671	0.00502	0.011873
MIR677	0.0105	0.022076
MIR708	0	0.032563
MIR7-2	0.008972	0.012106
MIR7-3	0.015851	0.016664
MIR744	0.012606	0.019879
MIR758	0.006855	0.008479
MIR759	0.015099	0.011609
MIR760	0	0.00638
MIR761	0	0
MIR763	0.019514	0.012821
MIR764	0	0
MIR767	0	0.006691
MIR769	0.015739	0.016545
MIR7691	0.014342	0.014115
MIR7857	0.032229	0
MIR7858	0.012359	0.018036
MIR7859	0.010888	0.004292
MIR7860	0.006351	0.015355
MIR7861	0	0
MIR7862	0	0.032177
MIR7863	0.022233	0
MIR7864	0.013829	0.01411
MIR7865	0	0.032114
MIR8550	0.002399	0.005043
MIR873	0.00196	0.00206
MIR874	0.004173	0.002193
MIR875	0	0.010733
MIR876	0.032019	0
MIR877	0.015581	0.016379
MIR885	0.012694	0.019256
MIR9-1	0.031931	0
MIR9-2	0	0
MIR92A-1	0.013286	0.018623
MIR92A-2	0.020914	0.010993
MIR92B	0.010505	0.009904
MIR93	0.01732	0.014566
MIR935	0.031865	0
MIR940	0.031865	0
MIR95	0.031833	0
MIR96	0.005088	0.026744
MIR98	0.005731	0.003012
MIR99A	0.01277	0.010441
MIR99B	0.00572	0.003007
MIRLET7A-1	0.020802	0.010934

MIRLET7A-2	0.031735	0
MIRLET7A-3	0	0.031708
MIRLET7B	0.008213	0.004235
MIRLET7C	0.008289	0.020109
MIRLET7D	0	0.006557
MIRLET7E	0	0
MIRLET7F-1	0.004325	0.027281
MIRLET7F-2	0.00844	0.016811
MIRLET7G	0	0.014401
MIRLET7I	0.002789	0.008796
MIS12	0.003392	0.000594
MIS18A	0.012229	0.019284
MIS18BP1	0	0
MISP	0.012443	0.00654
MISP3	0	0
MITD1	0.00872	0.010695
MITF	0.013454	0.00884
MIXL1	0.005119	0.012557
MKI67	0.011515	0.019886
MKKS	0.005841	0.010362
MKL1	0.020527	0.01079
MKL2	0	0.031306
MKLN1	0.015259	0.016041
MKNK1	0.031237	0
MKNK2	0.014482	0.008458
MKRN1	0.011072	0.016295
MKRN2	0.005304	0.003717
MKRN2OS	0.006582	0.002768
MKRN3	0.01712	0.013957
MKS1	0.009699	0.019712
MKX	0.0038	0.011984
MLANA	0	0
MLC1	0.021392	0.009638
MLEC	0.003427	0
MLF1	0.005955	0.02504
MLF2	0.013699	0.017282
MLH1	0.030954	0
MLH3	0.015086	0.015859
MLIP	0.030913	0
MLKL	0.005575	0.017584
MLLT1	0.030893	0
MLLT10	0.009951	0.020922
MLLT11	0.015037	0.015808
MLLT3	0.007425	0.023417
MLLT6	0	0.008665
MLN	0	0.006373
MLNR	0	0.030752
MLPH	0.020128	0.01058
MLST8	0.017526	0.013161
MLX	0.005377	0.008479

MLXIP	0.001592	0.015899
MLXIPL	0.012558	0.015842
MLYCD	0.021482	0.009033
MMAA	0.030488	0
MMAB	0.010882	0.018233
MMACHC	0.001763	0.007412
MMADHC	0.030428	0
MMD	0.007687	0.016624
MMD2	0.016979	0.013387
MME	0.014798	0.015557
MMEL1	0.01107	0.003879
MMP1	0.013079	0.013749
MMP11	0.004993	0.005249
MMP12	0.01987	0.010444
MMP13	0.01477	0.015527
MMP14	0.014751	0.015507
MMP15	0.007579	0.007274
MMP16	0.00581	0.024431
MMP17	0	0
MMP19	0.004754	0.019991
MMP2	0.015912	0.006273
MMP20	0	0
MMP23	0.014705	0.015458
MMP24	0	0.030155
MMP24OS	0.011363	0.018771
MMP25	0.030133	0
MMP27	0.009897	0.006936
MMP28	0.00816	0.012338
MMP3	0.007238	0.022827
MMP7	0.002225	0
MMP8	0	0.002327
MMP9	0.009009	0.018212
MMRN1	0.019668	0.010338
MMRN2	0.007245	0.007616
MMS19	0.011364	0.01126
MMS22L	0.021239	0.008683
MN1	0.003744	0.018368
MNAT1	0.006487	0.002098
MND1	0.010512	0.019339
MNF1	0.012428	0.01742
MNS1	0	0
MNT	0.009262	0.006085
MNX1	0.016476	0.009622
MOB1A	0.029767	0
MOB1B	0.011277	0.011141
MOB2	0.012306	0.016387
MOB3A	0.010522	0.019174
MOB3B	0	0.029662
MOB3C	0.01151	0.01815
MOB4	0.019434	0.010215

MOBP	0.004231	0.025415
MOCOS	0	0.029644
MOCS1	0	0.029626
MOCS2	0.011654	0.017969
MOCS3	0.005401	0.005678
MOG	0.009028	0.020562
MOGAT1	0.001637	0.007458
MOGAT2_1	0.006832	0.022745
MOGAT2_2	0.02957	0
MOGAT2_3	0	0
MOGS	0.00727	0.010747
MOK	0.0144	0.015138
MON1A	0.010732	0.018803
MON1B	0.008802	0.010461
MON2	0.011411	0.017993
MORC1	0.01923	0.010108
MORC2	0.008079	0.013973
MORC3	0.015342	0.013978
MORC4	0.003506	0.025801
MORF4L1	0.012194	0.017092
MORF4L2	0.02928	0
MORN1	0.02928	0
MORN2	0	0.006065
MORN3	0	0.002947
MORN4	0	0.029236
MORN5	0.008053	0.021165
MOS	0.024142	0.005076
MOSMO	0.011678	0.017538
MOSPD1	0.016824	0.01238
MOSPD2	0.02311	0.006074
MOSPD3	0.008885	0.01019
MOV10	0	0
MOV10L1	0.009657	0
MOXD1	0.007092	0.003728
MPC1	0.005162	0.004175
MPC1L	0.009395	0.012698
MPC2	0	0
MPDU1	0.012458	0.009017
MPDZ	0.011167	0.009088
MPEG1	0.012457	0.012223
MPG	0.009332	0.01962
MPHOSPH10	0	0
MPHOSPH6	0.005807	0.007122
MPHOSPH8	0.028898	0
MPHOSPH9	0.00628	0.019805
MPI	0.021395	0.007497
MPIG6B	0.014844	0.014045
MPL	0	0.028874
MPLKIP	0.013753	0.015115
MPND	0.018911	0.00994

MPO	0.00358	0.015055
MPP1	0.006969	0.007327
MPP2	0.009292	0.019538
MPP3	0.00229	0.026484
MPP4	0.009451	0.006624
MPP5	0.014197	0.00574
MPP6	0.006833	0.010618
MPP7	0	0
MPPE1	0	0
MPPED1	0	0
MPPED2	0.014227	0
MPRIP	0.02479	0.003723
MPST	0.009345	0.008421
MPTX	0.006173	0.009289
MPV17	0.007078	0.021392
MPV17L	0.005468	0.022993
MPV17L2	0.009172	0.019284
MPZ	0.010323	0.018086
MPZL1	0.004538	0.023851
MPZL2	0.014433	0.013909
MPZL3	0	0.028323
MR1	0.019926	0.008379
MRAP	0.003321	0.007418
MRAP2	0.019906	0.00837
MRAS	0	0.028274
MRC1	0.009917	0.013145
MRC2	0	0
MRE11	0.015795	0.012453
MREG	0.009765	0.018478
MRFAP1L1	0.00501	0.007022
MRGBP	0.011733	0.016445
MRGPRF	0.012171	0.015994
MRGPRG	0.009807	0.009767
MRGPRX2	0.003923	0.004759
MRI1	0.00244	0.025651
MRLN	0.018409	0.009676
MRM1	0.022201	0.005835
MRM2	0	0
MRM3	0	0
MRNIP	0.011627	0.016298
MRO	0.010142	0.01777
MROH1	0.013589	0.014285
MROH2A	0.027861	0
MROH2B	0.005544	0
MROH5	0.008975	0.018871
MROH6	0.012505	0.015337
MROH7	0.006052	0.009832
MROH8	0.027811	0
MROH9	0.004894	0.008499
MRPL1	0	0.027792

MRPL10	0.003325	0.004545
MRPL11	0.008212	0.013489
MRPL12	0	0.027776
MRPL13	0.018193	0.009563
MRPL14	0	0
MRPL15	0	0.027651
MRPL16	0.002217	0.013983
MRPL17	0.006477	0.009492
MRPL18	0.009705	0.016791
MRPL19	0	0.027534
MRPL2	0.012364	0.010635
MRPL20	0.010825	0.01669
MRPL21	0.027515	0
MRPL22	0.011131	0.016382
MRPL23	0.008863	0.018634
MRPL24	0.024877	0.002615
MRPL27	0.016157	0.011323
MRPL28	0.003981	0.00837
MRPL3	0.017161	0.010309
MRPL30	0	0
MRPL32	0.003034	0
MRPL33	0	0
MRPL34	0.014145	0.013218
MRPL35	0.014562	0.012757
MRPL36	0	0.027304
MRPL37	0.02728	0
MRPL38	0	0
MRPL39	0.008778	0.018457
MRPL4	0.013264	0.013943
MRPL40	0.02315	0.004056
MRPL41	0.027206	0
MRPL42	0.009885	0.01732
MRPL43	0.006548	0.02065
MRPL44	0.027178	0
MRPL45	0.027178	0
MRPL46	0.022022	0.005145
MRPL47	0.005871	0.006172
MRPL48	0.011712	0.01539
MRPL49	0	0.027099
MRPL50	0.010962	0.016134
MRPL51	0.009607	0.00869
MRPL52	0	0.003895
MRPL53	0.017735	0.009322
MRPL54	0.022348	0.004699
MRPL55	0.017725	0.009317
MRPL57	0.007322	0.011579
MRPL58	0.011248	0.015766
MRPL9	0.027007	0
MRPS10	0.013162	0.013837
MRPS11	0.013157	0.013831

MRPS12	0.010464	0.016501
MRPS14	0.004986	0.006552
MRPS15	0.005962	0.003283
MRPS16	0.007234	0.010647
MRPS17	0.007565	0.008836
MRPS18A	0.026895	0
MRPS18B	0	0
MRPS18C	0.011068	0.01579
MRPS2	0.014629	0.012213
MRPS21	0.014577	0.01226
MRPS22	0.017575	0.009238
MRPS23	0.017555	0.009227
MRPS24	0.002707	0.007115
MRPS25	0.026756	0
MRPS26	0.006403	0.003672
MRPS27	0	0
MRPS28	0.009389	0.017274
MRPS30	0.01996	0.006626
MRPS31	0.010311	0.01626
MRPS33	0.004452	0.00936
MRPS34	0.009012	0.009474
MRPS35	0.005953	0.004172
MRPS36	0	0
MRPS5	0.009619	0.016853
MRPS6	0.003095	0.007808
MRPS7	0.012855	0.013514
MRPS9	0.026362	0
MRRF	0.003152	0.023192
MRS2	0.010437	0.01443
MRTO4	0	0
MRVI1	0.026302	0
MS4A1	0.018007	0.00826
MS4A10	0.026258	0
MS4A13	0.010959	0.014527
MS4A14	0.004254	0.007724
MS4A15	0	0.026144
MS4A18	0.014612	0.011521
MS4A2	0.026125	0
MS4A3	0.007811	0.014371
MS4A5	0.006286	0.019824
MS4A7	0.005012	0.021077
MS4A8	0.012148	0.013932
M-SAA3.2	0.014078	0.006727
MSANTD1	0.008763	0.012283
MSANTD2	0.022169	0.003884
MSANTD3	0.007457	0.011929
MSANTD4	0	0.02603
MSC	0.010603	0.010289
MSGN1	0	0.025977
MSH2	0.004878	0.016567

MSH3	0.017025	0.008949
MSH4	0.012651	0.013299
MSH5	0	0.025936
MSH6	0.016811	0.009104
MSI1	0.015887	0.010021
MSI2	0.016257	0.008157
MSL1	0	0.025895
MSL2	0	0
MSL3	0.007599	0.018258
MSLN	0.00819	0.012662
MSMB	0.006906	0.009552
MSMO1	0	0.005194
MSMP	0.007499	0.002628
MSN	0.004241	0.014238
MSR1	0.009352	0.016386
MSRA	0.010012	0.006766
MSRB1	0.006183	0.019499
MSRB2	0.006178	0.019483
MSRB3	0.008193	0.00402
MSS51	0.012495	0.013135
MST1	0.015329	0
MST1R	0.016777	0.008818
MSTN	0.016759	0.008809
MSTO1	0.005676	0.01989
MSX1	0.006153	0.019406
MSX2	0.011829	0.013721
MT1A	0.012896	0.012622
MT1E_1	0.012426	0.013063
MT1E_2	0.007025	0.018463
MT2A	0.008964	0.007303
MT3	0.025482	0
MT4	0	0.005276
MTA1	0.025461	0
MTA2	0.003509	0
MTA3	0.007414	0.014722
MTAP	0.008202	0.017245
MTBP	0.012403	0.013039
MTCH1	0.014941	0.010471
MTCH2	0.008185	0.017209
MTCL1	0	0
MTCP1	0.025357	0
MTDH	0.006457	0.008146
MTERF1	0.009891	0.009926
MTERF2	0.020455	0.004779
MTERF3	0.012519	0.002632
MTERF4	0.010853	0.007206
MTF1	0.012313	0.006472
MTF2	0.004837	0.020338
MTFMT	0.004889	0.013706
MTFP1	0.016474	0.008659

MTFR1	0.007375	0.017721
MTFR1L	0.025064	0
MTFR2	0.01581	0.009234
MTG1	0.007995	0.004727
MTG2	0.004358	0.020616
MTHFD1	0	0
MTHFD1L	0	0.007241
MTHFD2	0	0.024951
MTHFD2L	0.003205	0.001685
MTHFR	0.005532	0.019384
MTHFS	0.014649	0.010267
MTHFSD	0.008024	0.016871
MTIF2	0.00802	0.016862
MTIF3	0.024869	0
MTM1	0.009033	0.015826
MTMR1	0.009029	0.01582
MTMR10	0.020527	0.004316
MTMR11	0.005979	0.018856
MTMR12	0.007999	0.016818
MTMR14	0.01366	0.008776
MTMR2	0.010721	0.014088
MTMR3	0.008057	0.012027
MTMR4	0.011674	0.01309
MTMR6	0	0.001981
MTMR7	0.007288	0.011121
MTMR9_1	0.024711	0
MTMR9_2	0.001129	0.002374
MTNR1A	0.01203	0.012646
MTNR1B	0	0.024662
MTO1	0.002368	0.007467
MTOR	0.024632	0
MTPAP	0.01025	0.014367
MTPN	0.011993	0.012607
MTR	0.007918	0.016647
MTREX	0.008074	0.005659
MTRF1	0.014431	0.010114
MTRF1L	0	0.024525
MTRR	0.011956	0.012568
MTSS1	0.008947	0.003135
MTSS1L	0.018143	0.006358
MTTP	0.024477	0
MTURN	0.024477	0
MTUS1	0.021628	0.002842
MTUS2	0.006706	0.00885
MTX1	0.008999	0.007095
MTX2	0.004683	0.019691
MTX3	0.010777	0.013595
MUC1	0.011846	0.012453
MUC13	0.01518	0.009119
MUC15	0.007449	0.001305

MUC16	0.002167	0.008541
MUC19	0.007818	0.016437
MUC2	0.01181	0.012415
MUC20	0.009346	0.004699
MUC21	0.006956	0.002925
MUC3A	0.00779	0.016379
MUC4	0.022356	0.001808
MUC5AC	0.011774	0.012378
MUC6	0.004635	0.019491
MUC7	0.003984	0.00349
MUCL1	0.005443	0.004959
MUCL3	0	0
MUL1	0.010238	0.013838
MUM1	0.024059	0
MUM1L1	0.00153	0.022515
MUS81	0.017787	0.006233
MUSK	0.003336	0.003507
MUSTN1	0.003835	0.020157
MUT	0	0.023991
MUTYH	0.011694	0.012294
MVB12A	0.015723	0.008264
MVB12B	0	0
MVD	0.020401	0.003574
MVK	0.010759	0.013196
MVP	0.008591	0.015353
MX1	0.014073	0.009863
MX2	0.012465	0.011466
MXD1	0.004674	0.009828
MXD3	0.004288	0.006198
MXD4	0	0
MXI1	0.010945	0.011289
MXRA5	0.002284	0.021611
MXRA7	0.005105	0.018782
MXRA8	0.023884	0
MYADM	0.01009	0.013789
MYADML2	0.002639	0
MYB	0.011633	0.012229
MYBBP1A	0.00518	0.006436
MYBL1	0.018294	0.005495
MYBL2	0.007661	0.008643
MYBPC1	0.012503	0.011266
MYBPC2	0.017595	0.006165
MYBPC3	0.005352	0.009645
MYBPH	0.00817	0.009126
MYBPHL	0.004721	0.004136
MYC	0.007629	0.016041
MYCBP	0.023656	0
MYCBP2	0.011529	0.01212
MYCBPAP	0.011984	0.011629
MYCL	0.007051	0.00337

MYCN	0.010805	0.012795
MYCNOS	0	0
MYCT1	0	0
MYD88	0.023513	0
MYDGF	0.010474	0.011011
MYEF2	0.007587	0.013825
MYF5	0.008862	0.006654
MYF6	0.011163	0.012268
MYH1	0.01732	0.006069
MYH10	0.0101	0.013272
MYH11	0.011394	0.011978
MYH14	0.023348	0
MYH15	0.023336	0
MYH2	0	0.023305
MYH3	0	0
MYH4	0.004476	0.018823
MYH6	0.008459	0.014822
MYH7	0.015259	0.008021
MYH7B	0.011344	0.011925
MYH8	0.009103	0.011696
MYH9	0.007497	0.015762
MYL1	0.015244	0.008013
MYL10	0.013661	0.009574
MYL12A	0.00615	0.015839
MYL12B	0.004578	0.008381
MYL2	0.002483	0
MYL3	0.023196	0
MYL4	0.023196	0
MYL5	0.002126	0.001118
MYL6	0.006504	0.00777
MYL6B	0	0
MYL7	0.006703	0.007223
MYL9	0.00936	0.013775
MYLIP	0.006976	0.013038
MYLK	0.007318	0.005984
MYLK2	0.006329	0.012125
MYLK3	0	0.023091
MYLK4	0.019074	0.00401
MYLPF	0.003447	0.004658
MYMK	0.008955	0.01412
MYMX	0.007259	0.00424
MYNN	0	0
MYO10	0.003611	0.004555
MYO15A	0	0.02302
MYO15B	0.015081	0.007927
MYO16	0	0.022945
MYO18A	0	0
MYO18B	0.017417	0.005493
MYO19	0.005635	0.005924
MYO1A	0.015766	0.007103

MYO1B	0.005503	0.017355
MYO1C	0.013409	0.009397
MYO1D	0.009422	0.006409
MYO1E	0.009468	0.013271
MYO1F	0.003867	0.006775
MYO1G	0.016305	0.006428
MYO1H	0.011077	0.011644
MYO3A	0.012699	0.010013
MYO3B	0.004363	0.018347
MYO5A	0	0
MYO5B	0.007449	0.00522
MYO5C	0	0.022627
MYO6	0	0.022627
MYO7A	0.022622	0
MYO7B	0.022608	0
MYO9A	0.011022	0.011587
MYO9B	0.012365	0.010214
MYOC	0.014793	0.007776
MYOCD	0.010993	0.011556
MYOD1	0.006976	0.009873
MYOF	0.00972	0.012773
MYOG	0	0
MYOM1	0.02249	0
MYOM2	0.006928	0.003121
MYOM3	0.00774	0.008662
MYORG	0.009752	0.012664
MYOT	0.017221	0.005172
MYOZ1	0.006324	0.003324
MYOZ2	0.011077	0.003176
MYOZ3	0.007198	0.015133
MYPN	0.022313	0
MYPOP	0.006461	0.015847
MYRF	0.022265	0
MYRFL	0.022265	0
MYRIP	0.00716	0.015053
MYSM1	0.013617	0.008589
MYT1	0.002199	0.002311
MYT1L	0	0.022196
MYZAP	0.008637	0.011969
MZB1	0.022169	0
MZF1	0.004409	0
MZT1	0.022106	0
MZT2B	0.010368	0.009991
N4BP1	0.02209	0
N4BP2	0	0
N4BP2L1	0	0
N4BP2L2	0.015815	0.006235
N4BP3	0.005796	0.016249
N6AMT1	0.002956	0.006733
NAA10	0.016475	0.005511

NAA11	0.011686	0.010293
NAA15	0.00798	0.013982
NAA16	0.012745	0.009211
NAA20	0	0.004547
NAA25	0.010822	0.01101
NAA30	0.004192	0.017627
NAA35	0.002411	0
NAA38	0.002481	0.004845
NAA40	0.008198	0.013544
NAA50	0	0
NAA60	0.00788	0.013807
NAA80	0.007006	0.013449
NAAA	0.009573	0.009032
NAALAD2	0.016042	0.005622
NAALADL1	0.008757	0.012888
NAALADL2	0.006664	0.010508
NAB1	0	0.007419
NAB2	0.01711	0.004497
NABP1	0.014537	0.007053
NABP2	0.00602	0.015533
NACA	0.000739	0.002329
NACAD	0.014108	0.007415
NACC1	0.021464	0
NACC2	0.009058	0.012379
NADK	0.021434	0
NADK2	0.01696	0.004457
NADSYN1	0.008888	0.012458
NAE1	0.007109	0.01147
NAF1	0.008925	0.012385
NAGA	0.015749	0.005519
NAGK	0.007536	0.008756
NAGLU	0	0.021242
NAGPA	0.021229	0
NAGS	0.012855	0.006347
NAIF1	0.003442	0
NAIP	0.006366	0.013386
NALCN	0.012947	0.008166
NAMPT	0.021085	0
NANOG	0.012388	0.008682
NANOS1	0.015591	0.005463
NANOS2	0.006422	0.013105
NANP	0	0
NANS	0.006777	0.014248
NAP1L1	0.005794	0.015228
NAP1L3	0.016117	0.004841
NAP1L4	0	0
NAP1L5	0	0.020868
NAPA	0.002855	0.018006
NAPB	0	0
NAPEPLD	0	0

NAPG	0.008082	0.012745
NAPRT	0.013141	0.007675
NAPSA	0.003385	0
NARF	0.007722	0.002706
NARFL	0.010103	0.010621
NARS	0.01559	0.005122
NARS2	0.001531	0
NASP	0	0.02065
NAT1	0.008776	0.011862
NAT10	0.01169	0.008938
NAT14	0.006845	0
NAT16	0.015264	0.005349
NAT8	0.012105	0.008484
NAT8L	0.020581	0
NAT9	0	0.020564
NATD1	0.001046	0.002199
NAV1	0.005664	0.007989
NAV2	0	0.020495
NAV3	0.006284	0.008131
NAXD	0.003929	0.01652
NAXE	0	0.002942
NBAS	0.001623	0.011088
NBDY	0.001511	0
NBEA	0.020365	0
NBEAL1	0.017313	0.003033
NBEAL2	0.00289	0
NBN	0.011953	0.008377
NBR1	0.001371	0.001802
NCALD	0	0.020291
NCAM1	0	0
NCAM2	0.020259	0
NCAN	0	0.004183
NCAPD2	0.02018	0
NCAPD3	0.004555	0
NCAPG	0.020128	0
NCAPG2	0.005088	0.008024
NCAPH	0.003006	0.011061
NCAPH2	0.006484	0.013632
NCBP1	0.018355	0.001754
NCBP2	0.020102	0
NCBP2-AS2	0.008679	0.011405
NCBP2L	0.020084	0
NCBP3	0.002748	0.017331
NCCRP1	0.007961	0.012088
NCDN	0.005223	0.007976
NCEH1	0.001994	0.001397
NCF1	0.009139	0.009608
NCF2	0.019964	0
NCF4	0.004518	0.015435
NCK1	0	0.019927

NCK2	0.008397	0.005885
NCKAP1	0.006694	0.00391
NCKAP1L	0	0
NCKAP5	0.00501	0.007022
NCKAP5L	0.01987	0
NCKIPSD	0.019832	0
NCL	0	0.019798
NCLN	0.010557	0.003171
NCMAP	0.00697	0.012822
NCOA1	0.006191	0.002441
NCOA2	0.012889	0.006775
NCOA3	0.015112	0.004539
NCOA4	0.019644	0
NCOA5	0.00868	0.01095
NCOA6	0.009567	0.010058
NCOA7	0.019594	0
NCOR1	0.006307	0.01326
NCOR2	0	0.019561
NCR1	0.006298	0.013242
NCR3	0.019528	0
NCR3LG1	0.017233	0.002265
NCS1	0.011461	0.008032
NCSTN	0	0.019491
NDC1	0.011455	0.008028
NDC80	0.019471	0
NDE1	0	0
NDEL1	0.019386	0
NDFIP1	0.004896	0.005719
NDFIP2	0.01935	0
NDN	0.009428	0.009911
NDNF	0.004759	0.005003
NDOR1	0.013598	0.005718
NDP	0.001437	0.012084
NDRG1	0	0.019284
NDRG2	0.003834	0
NDRG3	0.019254	0
NDRG4	0.005154	0.006935
NDST1	0.013113	0.006127
NDST2	0.00572	0
NDST3	0.019206	0
NDST4	0.019143	0
NDUFA1	0.00712	0.010084
NDUFA10	0	0.003963
NDUFA11	0.019111	0
NDUFA12	0.007731	0.011379
NDUFA13	0.005532	0.013569
NDUFA2	0.014125	0.00495
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NDUFA4	0.010653	0.008399
NDUFA4L2	0.011186	0.007839

NDUFA5	0	0.019014
NDUFA6	0.007909	0.011087
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NDUFA8	0	0.01897
NDUFA9	0.001755	0.010147
NDUFAB1	0.012425	0.006531
NDUFAF1	0.00506	0.007093
NDUFAF2	0.003303	0.015626
NDUFAF3	0.018925	0
NDUFAF4	0.000788	0.003315
NDUFAF5	0.007774	0.011115
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NDUFAF7	0.013534	0.005335
NDUFAF8	0.006939	0.011915
NDUFB1	0.005318	0.003993
NDUFB10	0.005529	0.013286
NDUFB11	0.001232	0.005181
NDUFB2	0.013922	0.004879
NDUFB3	0.0188	0
NDUFB4	0.018787	0
NDUFB5	0.008543	0.008126
NDUFB6	0.001655	0.01044
NDUFB7	0.003599	0.015133
NDUFB8	0.005162	0.013568
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NDUFC1	0.018719	0
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NDUFS1	0.0082	0.006705
NDUFS2	0.008423	0.010272
NDUFS3	0.004838	0.003956
NDUFS4	0.005139	0.013505
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NDUFS6	0.018616	0
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NDUFV1	0.00474	0.001993
NDUFV2	0.003569	0.015008
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NEB	0.018563	0
NEBL	0.014248	0.00428
NECAB2	0.005101	0.013406
NECAB3	0.008058	0.005127
NECAP1	0.018365	0
NECAP2	0.008374	0.009978
NECTIN1	0.007115	0.01122
NECTIN2	0	0
NECTIN3	0.01557	0.002728
NECTIN4	0.000922	0.001939
NEDD1	0.005544	0.006193
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NEDD4L	0.005218	0.008914
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NEFH	0.003874	0.005326
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NEFM	0	0.003761
NEGR1	0.010014	0.008135
NEIL1	0	0
NEIL2	0.014344	0.00377
NEIL3	0.007198	0.007189
NEK1	0.005074	0.005046
NEK10	0.006906	0.011169
NEK11	0.01597	0.002099
NEK2	0.010097	0.007961
NEK3	0.011473	0.006579
NEK4	0	0.018033
NEK5	0.018024	0
NEK6	0.005804	0.012203
NEK7	0.011788	0.006196
NEK8	0.007815	0.010149
NEK9	0.017961	0
NELFA	0	0
NELFB	0.005786	0.012165
NELFCD	0.002865	0.015061
NELFE	0.008738	0.009186
NELL1	0.00695	0.010959
NELL2	0.00493	0.012956
NEMF	0.011721	0.006161
NEMP1	0.007991	0.009883
NEMP2	0.017851	0
NENF	0.011677	0.006138
NEO1	0	0.01781
NEPN	0.007059	0.010719
NEPRO	0.007397	0.010368
NES	0.010967	0.006782
NET1	0.004217	0.005642
NETO1	0.00865	0.009094
NETO2	0.014504	0.003234
NEU1	0.017715	0
NEU2	0.008634	0.009077
NEU3	0	0.017694
NEU4	0.010401	0.007289
NEURL1	0.009516	0
NEURL1B	0.011581	0.006087
NEURL2	0.007935	0.003337
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NEURL4	0.013055	0.004575
NEUROD1	0.009396	0.008231
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NEUROD4	0.008884	0.008717

NEUROD6	0.004231	0.013343
NEUROG1	0	0.017561
NEUROG2	0.017555	0
NEUROG3	0.017555	0
NEXMIF	0.014503	0.003049
NEXN	0.012332	0.005186
NF1	0.017515	0
NF2	0.017466	0
NFAM1	0	0.017429
NFASC	0.009876	0.007551
NFAT5	0.0053	0.003343
NFATC1	0	0
NFATC2	0.017397	0
NFATC2IP	0.011385	0.005985
NFATC3	0.01732	0
NFATC4	0.004169	0.013149
NFE2	0.003182	0.005575
NFE2L1	0	0
NFE2L2	0.01723	0
NFE2L3	0.00555	0.011669
NFIA	0.00703	0.006013
NFIB	0.017185	0
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NFIL3	0.005533	0.011632
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NFKBIE	0.005499	0.011562
NFKBIL1	0.017053	0
NFKBIZ	0.013488	0.003545
NFRKB	0.002972	0.014058
NFS1	0.016997	0
NFU1	0.016979	0
NFX1	0.003281	0
NFXL1	0.005766	0.005658
NFYA	0.00581	0.007517
NFYB	0	0.016923
NFYC	0.016912	0
NGB	0.003145	0.004298
NGDN	0.016892	0
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NHEDC1	0.008951	0.002689

NHEJ1	0.016777	0
NHLH1	0.005407	0.011369
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NHLRC1	0.01674	0
NHLRC2	0.004464	0.012273
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NHP2	0.005385	0.011321
NHS	0.004597	0.012081
NHSL1	0.016674	0
NHSL2	0.009271	0.003249
NICN1	0.004369	0.006729
NID1	0.012329	0.00432
NID2	0.016633	0
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NIFK	0.016633	0
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NIP7	0.016562	0
NIPA1	0.009735	0.006823
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NKAIN1	0.010767	0.005659
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NKAIN3	0	0.016412
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NKAP	0.006043	0
NKAPD1	0.004928	0.011471
NKAPL	0.007983	0.008392
NKD1	0.01637	0
NKD2	0.01637	0
NKG2A	0.010392	0.005959
NKG2C	0.016341	0
NKG7	0.01024	0.006084
NKIRAS1	0.006604	0.009719
NKIRAS2	0	0
NKPD1	0.005269	0.009374

NKRF	0.009583	0.006716
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NKX1-1	0.009112	0.007185
NKX1-2	0.016294	0
NKX2-1	0.016267	0
NKX2-2	0.016267	0
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NKX2-4	0	0.005575
NKX2-5	0.016233	0
NKX2-6	0.002227	0.004683
NKX2-8	0	0.016144
NKX3-1	0.016131	0
NKX3-2	0.007861	0.008264
NKX6-1	0.005384	0.007959
NKX6-2	0.009126	0.002399
NKX6-3	0	0.016089
NLE1	0.004183	0.007696
NLGN1	0.009942	0.006135
NLGN2	0.007838	0.008239
NLGN3	0.01273	0.003346
NLGN4X	0.013282	0.002793
NLK	0.016065	0
NLN	0.007828	0.008229
NLRC3	0.008959	0.007064
NLRC4	0.006562	0.005615
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NLRP1	0.013877	0.002084
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NMB	0.015819	0
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NMNAT1	0	0.015626
NMNAT2	0.008219	0.007406
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NMRK1	0.0065	0.009111
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NMS	0.008717	0.006873
NMT1	0.004095	0.011481
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NMU	0.006024	0.0095
NMUR1	0.008337	0.005716
NMUR2	0.015503	0
NNAT	0.004262	0.011201
NNT	0	0.015463
NOA1	0.001143	0
NOB1	0.008383	0.00705
NOBOX	0.001368	0.007432
NOC2L	0.011416	0.004
NOC3L	0.015416	0
NOC4L	0.009057	0.006348
NOCT	0.010097	0.005307
NOD1	0.009492	0.005906
NOD2	0.006506	0.008891
NODAL	0.00332	0.004759
NOG	0.006637	0.008722
NOL10	0.005953	0.009387
NOL11	0.001846	0.008733
NOL12	0.002944	0.012378
NOL3	0	0.015318
NOL4	0.007463	0.007845
NOL4L	0.009237	0.006069
NOL6	0.011844	0.001186
NOL7	0.004338	0.004561
NOL8	0.012621	0.002654
NOL9	0.011744	0.003527
NOLC1	0.007443	0.007824
NOM1	0	0.015261
NONO	0.010729	0.004512
NOP10	0.010925	0.004307
NOP14	0.007418	0.007798
NOP16	0.003112	0.004674
NOP2	0.015125	0
NOP53	0	0.015119
NOP56	0	0.015105
NOP58	0.004875	0.006632
NOP9	0	0
NOS1	0.007348	0.007724
NOS1AP	0.010661	0.004403
NOS2	0.009872	0.005189
NOS3	0.015023	0

NOSIP	0.005842	0.008489
NOSTRIN	0	0.014994
NOTCH1	0.009009	0.005981
NOTCH2	0.007306	0.007681
NOTCH3	0.003607	0.011377
NOTCH4	0.008238	0.006736
NOTO	0	0.014967
NOTUM	0.009405	0.003869
NOV	0.008515	0.006394
NOVA1	0	0.014898
NOVA2	0.005409	0.009477
NOX1	0.009757	0.005129
NOX3	0.002033	0.012825
NOX4	0.014857	0
NOX5	0.008897	0.005952
NOXA1	0	0.014844
NOXO1	0.005513	0.001932
NOXRED1	0	0.014831
NPAS1	0.00532	0
NPAS2	0	0
NPAS3	0	0.014817
NPAS4	0.008589	0.00129
NPAT	0.009706	0.005102
NPB	0.005986	0.008809
NPBWR1	0	0.014795
NPBWR2	0.004077	0.010716
NPC1	0.006133	0.004464
NPC1L1	0.01473	0
NPC2	0.005957	0.005977
NPDC1	0	0.002498
NPEPL1	0.014711	0
NPEPPS	0.014702	0
NPFF	0.005348	0.005622
NPFFR1	0.013393	0.00128
NPFFR2	0.004728	0.009941
NPHP1	0	0.014662
NPHP3	0.002814	0.011834
NPHP4	0.004351	0.010292
NPHS1	0.00852	0.006091
NPHS2	0.014571	0
NPL	0.004695	0.009872
NPLOC4	0.004075	0
NPM1	0.006051	0.008481
NPM2	0.003498	0.011033
NPM3	0.005639	0.008892
NPNT	0	0.014521
NPPA	0.006265	0.008233
NPPB	0.007052	0.007413
NPPC	0.00499	0.00612
NPR1	0.008217	0.006239

NPR2	0.004766	0.009688
NPR3	0.011432	0.003004
NPRL2	0.010688	0.003745
NPRL3	0.005529	0.00718
NPS	0.014382	0
NPSR1	0.014369	0
NPTN	0.008295	0.006055
NPTX1	0.005752	0.001099
NPTX2	0	0.014323
NPTXR	0.006605	0.007638
NPVF	0.011543	0.002697
NPW	0.003917	0.010294
NPY	0.00273	0.011481
NPY1R	0	0.014211
NPY2R	0.007718	0.00649
NPY5R	0.004572	0.009613
NQO1	0.014185	0
NQO2	0.014146	0
NR0B1	0.01414	0
NR0B2	0.006891	0.007244
NR1D1	0.006887	0.00724
NR1D2	0.002712	0.011404
NR1H2	0.006879	0.007231
NR1H3	0.004005	0.010105
NR1H4	0.014108	0
NR1I2	0	0.0141
NR1I3	0.008503	0.005587
NR2C1	0	0.014088
NR2C2	0	0.014078
NR2C2AP	0.007492	0.006563
NR2E1	0.005969	0.008067
NR2E3	0.006139	0.001986
NR2F1	0.005466	0.007415
NR2F2	0.013981	0
NR2F6	0.01035	0.003627
NR3C1	0.004503	0.009468
NR3C2	0.003304	0.007481
NR4A1	0.005414	0.008537
NR4A2	0.0068	0.007149
NR4A3	0	0.013943
NR5A1	0.002227	0.011706
NR5A2	0	0.013932
NR6A1	0	0.013928
NRADD	0.006788	0.007136
NRAP	0.008185	0.005737
NRARP	0.009123	0.004795
NRAS	0.006512	0.006656
NRBF2	0	0.006105
NRBP1	0.01388	0
NRBP2	0.002218	0.011656

NRCAM	0.008658	0.005201
NRDC	0.013831	0
NRDE2	0.013806	0
NREP	0	0.013779
NRF1	0.011974	0.001798
NRG1	0.001884	0.011885
NRG2	0.003889	0.002044
NRG3	0.003633	0.007001
NRGN	0.008428	0.005316
NRIP1	0.001894	0
NRIP2	0.013733	0
NRIP3	0.002934	0.010795
NRK	0.013713	0
NRL	0.010152	0.003557
NRM	0.009641	0.004054
NRN1	0.013673	0
NRN1L	0.004404	0.009259
NRP1	0.013661	0
NRP2	0.004306	0.002829
NRROS	0.00929	0.004341
NRSN1	0.005876	0.007721
NRSN2	0.006622	0.006961
NRTN	0.010057	0.003524
NRXN1	0.00357	0.010007
NRXN2	0.005548	0.00802
NRXN3	0.00437	0.009188
NSA2	0.008469	0.005088
NSD1	0.008708	0.004846
NSD2	0.004915	0.008612
NSD3	0.00449	0
NSDHL	0.00805	0.004654
NSF	0.013488	0
NSFL1C	0.008509	0.004969
NSG1	0.008832	0.004643
NSG2	0.003244	0.01023
NSL1	0.005023	0.008449
NSMAF	0.00883	0.004641
NSMCE1	0.005816	0.007643
NSMCE2	0.013447	0
NSMCE3	0	0.013438
NSMCE4A	0.003425	0.00144
NSMF	0.013424	0
NSRP1	0.004362	0.006114
NSUN2	0.005923	0.007472
NSUN3	0.007488	0.005904
NSUN4	0	0
NSUN5	0.003932	0.007992
NSUN6	0.013355	0
NSUN7	0.002134	0.011217
NT5C	0.003309	0.00116

NT5C1A	0.005551	0.007781
NT5C1B	0.004292	0.009023
NT5C2	0.00646	0.006791
NT5C3A	0	0.013242
NT5C3B	0.005717	0.007512
NT5DC1	0.013218	0
NT5DC2	0.004962	0.00675
NT5DC3	0	0.013212
NT5DC4	0.002628	0
NT5E	0.013196	0
NT5M	0.005918	0.007258
NTAN1	0.008631	0.004537
NTF3	0.006471	0.002915
NTF4	0	0.013051
NTHL1	0.004206	0.008842
NTM	0.004215	0.005064
NTMT1	0.008545	0.004492
NTN1	0.006355	0.006681
NTN3	0.006352	0.006678
NTN4	0.008529	0.004483
NTN5	0	0.012999
NTNG1	0.012993	0
NTNG2	0.008516	0.004476
NTPCR	0.00375	0.003154
NTRK1	0	0.012937
NTRK2	0.012932	0
NTRK3	0.004446	0.004674
NTS	0.006301	0.006624
NTSR1	0.005012	0.007904
NTSR2	0.004162	0.008751
NUAK1	0.004735	0.008178
NUAK2	0	0.012907
NUB1	0	0.012896
NUBP1	0	0.012886
NUBP2	0.012878	0
NUBPL	0.0031	0.009777
NUCB1	0.012875	0
NUCB2	0.006273	0.006594
NUCKS1	0.00318	0.004457
NUDC	0.012846	0
NUDCD1	0.00802	0.004818
NUDCD2	0.004136	0.008696
NUDCD3	0.012811	0
NUDT1	0.001542	0.001621
NUDT10	0	0.012805
NUDT11	0	0.012801
NUDT12	0.002932	0.002312
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NUDT16L1	0.004007	0.008725
NUDT17	0.012017	0.000702
NUDT18	0.006197	0.006515
NUDT19	0.002912	0.003061
NUDT2	0.012678	0
NUDT21	0.008869	0.003798
NUDT22	0.008299	0.004362
NUDT3	0.002937	0.009705
NUDT4	0.007432	0.005209
NUDT5	0.006529	0.006101
NUDT6	0.004441	0.00817
NUDT7	0.004057	0.008531
NUDT8	0.011271	0.001316
NUDT9	0	0.012568
NUF2	0.00394	0.00069
NUFIP1	0	0.012549
NUFIP2	0.012525	0
NUGGC	0.003014	0.009507
NUMA1	0.0061	0.006413
NUMB	0.007352	0.005153
NUMBL	0.004853	0.007652
NUP107	0	0.004291
NUP133	0.010624	0.001861
NUP153	0.003579	0.00602
NUP155	0.009237	0.003237
NUP160	0.006081	0.006393
NUP188	0.008161	0.00429
NUP205	0	0.01243
NUP210	0.006056	0.006366
NUP210L	0.003686	0.008719
NUP214	0	0.012397
NUP35	0.007283	0.005104
NUP37	0	0.012382
NUP43	0.001694	0.010685
NUP50	0	0.01234
NUP54	0.001686	0.010637
NUP58	0.006672	0.005611
NUP62	0.004766	0.007516
NUP62CL	0.012277	0
NUP85	0.004967	0.00731
NUP88	0.00295	0.009303
NUP93	0.0047	0.003144
NUP98	0.003939	0.008281
NUPL2	0.00519	0.007015
NUPR1	0.012181	0
NUPR2	0.003617	0.008556
NUS1	0.004721	0.007445
NUSAP1	0.003247	0.004552
NUTF2	0.001942	0.010209

NUTM1	0.00854	0.003591
NVL	0.012124	0
NWD1	0.012124	0
NWD2	0.00145	0.010671
NXF1	0.005133	0.006983
NXF2	0.003831	0.006871
NXF3	0.004417	0.004334
NXN	0.001286	0.010818
NXNL1	0	0.012102
NXNL2	0.005893	0.006195
NXPE2	0.008924	0.003127
NXPE3	0.004586	0.00458
NXPE4	0.001079	0.002269
NXPH1	0.004669	0.007362
NXPH2	0.009939	0.00209
NXPH3	0.003748	0.008275
NXPH4	0.008887	0.003114
NXT1	0.005848	0.006148
NXT2	0	0.011987
NYAP1	0.008259	0.003721
NYAP2	0.007344	0.004632
NYNRIN	0.011974	0
NYX	0.008861	0.003105
OAF	0.011965	0
OARD1	0	0.01196
OAS1X	0.011951	0
OAS1Y	0.007026	0.004924
OAS1Z	0.005824	0.006123
OAS2	0.011946	0
OASL	0.011937	0
OAT	0.00114	0.010788
OAZ1	0.00163	0.010283
OAZ2	0.004791	0.00711
OAZ3	0.002367	0
OBP	0.005051	0.006827
OBSCN	0	0
OBSL1	0.000945	0.010929
OC90	0.003649	0.008219
OCA2	0.001895	0.009962
OCEL1	0.003267	0.008587
OCIAD1	0.001895	0.00996
OCIAD2	0.006621	0.005221
OCLN	0.003261	0.00857
OCRL	0.005754	0.006049
OCSTAMP	0.011792	0
ODAM	0.011779	0
ODAPH	0.011774	0
ODC1	0	0.011765
ODF1	0.003242	0.008522
ODF2	0.003784	0.007956

ODF2L	0.011739	0
ODF3	0.005722	0.006015
ODF3B	0.0069	0.004836
ODF3L1	0	0.011737
ODF3L2	0.004116	0.001731
ODF4	0.011715	0
ODR4	0.001602	0.010104
OFCC1	0.011703	0
OFD1	0.001813	0.003811
OGA	0.008653	0.003032
OGDH	0.007658	0.004025
OGDHL	0.004034	0.007634
OGFOD1	0.007645	0.004018
OGFOD2	0.004104	0.00755
OGFOD3	0	0.011636
OGFR	0	0.01162
OGFRL1	0	0.011603
OGG1	0.011598	0
OGN	0.011581	0
OGT	0.011564	0
OIP5	0.004357	0.007198
OIT3	0.003384	0
OLA1	0.005629	0.005918
OLAH	0.00721	0.004331
OLFM1	0	0.011537
OLFM2	0.007453	0.002507
OLFM3	0	0.011489
OLFM4	0.011487	0
OLFML1	0.004044	0.007439
OLFML2A	0.007519	0.003952
OLFML2B	0.010138	0.001332
OLFML3	0.001402	0.004422
OLIG1	0.011453	0
OLIG2	0.011411	0
OLIG3	0.002911	0.008499
OLR1	0.009416	0.00198
OMA1	0.011377	0
OMD	0.005875	0.00549
OMG	0.01136	0
OMP	0.008406	0.002946
ONECUT1	0.007439	0.00391
ONECUT2	0.011347	0
ONECUT3	0.005528	0.005812
OOEP	0	0
OOSP2	0.000899	0.010398
OPA1	0.011294	0
OPA3	0	0.011282
OPALIN	0	0
OPCML	0.004068	0.005559
OPHN1	0.008328	0.002918

OPLAH	0.011218	0
OPN1LW	0.003247	0.007965
OPN1SW	0.009746	0.001464
OPN3	0.011197	0
OPN4	0	0.011182
OPN5	0.01118	0
OPRD1	0.00415	0.00302
OPRK1	0	0.011159
OPRL1	0.002568	0.007118
OPRM1	0	0.011128
OPTC	0.004851	0.004249
OPTN	0.004362	0.001146
OR10A3	0.004626	0.006484
OR10A6	0.0111	0
OR10A7	0.005408	0.005686
OR10AD1	0.007808	0.003283
OR10AG1_1	0.005826	0.00525
OR10AG1_2	0	0.011068
OR10C1	0.002664	0.008401
OR10G2	0.008176	0.002865
OR10H1	0.007231	0.003801
OR10J1	0.003276	0.007748
OR10J3_1	0	0.011008
OR10J3_2	0.003546	0.007456
OR10J5	0.003546	0.007455
OR10K1	0.010959	0
OR10K2	0.010944	0
OR10P1	0.003527	0.007416
OR10R2	0.001336	0.004213
OR10S1	0.005325	0.005598
OR10T2	0.007387	0.00353
OR10V1	0.010913	0
OR10Z1	0.006098	0.004808
OR11G2	0	0.01089
OR11H4	0.01089	0
OR11H6	0.010867	0
OR11L1	0.006372	0.004466
OR12D2	0.006365	0.004461
OR12D3	0.00663	0.004182
OR13A1	0.007083	0.003723
OR13C3	0	0.010799
OR13C8	0	0.010712
OR13F1_1	0.00389	0.006816
OR13F1_2	0	0.010691
OR13H1	0.006645	0.004044
OR13J1	0.004584	0.00348
OR14J1	0.00167	0.00602
OR1B1	0.002049	0.008618
OR1D5	0.010666	0
OR1E1	0.002559	0.008071

OR1G1	0.005173	0.005438
OR1I1	0.008599	0.002009
OR1J1	0.000971	0.00051
OR1K1	0.010586	0
OR1L1	0.010586	0
OR1L3	0.003842	0.006731
OR1L6	0	0.010573
OR1Q1	0.004098	0.006462
OR2A12	0.003136	0.007418
OR2A14	0.004165	0.002189
OR2A2	0.003526	0.003229
OR2A25	0.002194	0.005382
OR2A5	0.006888	0.00362
OR2AE1	0.010507	0
OR2AG1	0.005118	0.005381
OR2AG2	0.005111	0.005373
OR2AP1	0.004141	0.006332
OR2AT4	0	0.010471
OR2B11	0.004678	0.003688
OR2B6	0.004353	0.006101
OR2C3	0.010448	0
OR2D2	0.010443	0
OR2D3	0.00344	0.006991
OR2G2	0	0.010418
OR2G3	0	0
OR2G6	0.004332	0.006073
OR2H1	0	0.010404
OR2J2	0.001243	0.009149
OR2J3	0.003861	0.001353
OR2L13	0	0.010391
OR2M3	0.010387	0
OR2M4	0.010373	0
OR2M5	0.006355	0.004008
OR2S2	0.010359	0
OR2T11	0.010352	0
OR2T12	0.004468	0.005871
OR2T2	0.003506	0.006818
OR2T27	0.00198	0.008326
OR2T33	0.010304	0
OR2T4_1	0.006753	0.00355
OR2T4_2	0.004701	0.005601
OR2V1	0.006747	0.003546
OR2V2	0.00427	0.003758
OR2W1	0.006299	0.003973
OR2W3	0.005434	0.004833
OR3A1	0.002193	0.008069
OR4A15	0.007222	0.003037
OR4A16	0.008723	0.001528
OR4C13	0.010203	0
OR4C15	0.010156	0

OR4C16	0.010149	0
OR4C3	0.005669	0.00447
OR4C46	0	0.010133
OR4C6	0.001615	0.008488
OR4D11	0.008189	0.001913
OR4D2	0.000742	0.009358
OR4D5	0.001938	0.008151
OR4D6	0.004911	0.005163
OR4D9	0	0.01007
OR4E2	0	0.01007
OR4F15	0.010064	0
OR4K13	0.010064	0
OR4K14	0	0.010058
OR4K17	0.0049	0.005151
OR4K2	0.010033	0
OR4K5	0	0
OR4L1	0.010003	0
OR4M1	0.00267	0.003743
OR4N2	0.003086	0.004635
OR4N4	0.005868	0.004112
OR4N5	0.004409	0.005562
OR4S1	0.004144	0.005808
OR4X1	0	0
OR51A7	0.00652	0.003427
OR51E1	0.009941	0
OR51E2	0	0.009929
OR51F2	0	0.009923
OR51I1	0.003194	0.006714
OR51I2	0.003192	0.006711
OR51M1	0	0.009899
OR51Q1	0.004823	0.00507
OR51S1	0.009872	0
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OR52D1_2	0.004773	0.005017
OR52E2	0.007249	0.00254
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OR52E8	0.001037	0.008722
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OR52I2	0.009735	0
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OR52M1	0.009699	0

OR52N2	0.009697	0
OR52N5	0.008554	0.001124
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OR56A4	0.009615	0
OR56B4	0.004909	0.004691
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OR5AC2	0.006274	0.003298
OR5AR1	0.00956	0
OR5AS1	0.005191	0.004365
OR5AU1	0.005968	0.003585
OR5B2	0.009538	0
OR5B3	0.004643	0.004881
OR5C1	0.001303	0.008221
OR5D13	0.001309	0
OR5D14	0.004621	0.004858
OR5D18	0.007005	0.002455
OR5F1	0	0.009452
OR5H6	0.003029	0.006369
OR5I1	0.009394	0
OR5K1	0.007433	0.001954
OR5K3	0.007605	0.001777
OR5K4	0.009375	0
OR5L1	0.005844	0.003511
OR5L2	0.004774	0.004562
OR5M10	0.004544	0.004777
OR5M3	0.009319	0
OR5P3	0.006408	0.002887
OR5T1	0.00609	0.003201
OR5T2	0.002233	0.007042
OR5V1	0.001109	0.008159
OR6A2	0.009259	0
OR6B1	0	0.009238
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OR6C2	0.009232	0
OR6C3	0.008659	0.000569
OR6C4	0.002426	0.006802
OR6C68_1	0.001475	0.007752
OR6C68_2	0.006829	0.002393
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OR6C76	0	0.009212
OR6F1	0.002966	0.006236
OR6K2	0.009166	0
OR6K3	0	0.009165
OR6N1	0.009154	0
OR6P1	0.003881	0.005246
OR6S1	0.00294	0.006182
OR6T1	0.003548	0.004041
OR6V1	0.004638	0.004469

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OR7A17	0	0.009083
OR7A5	0.002629	0.00645
OR7C2	0.002926	0.006152
OR7D2	0.006558	0.002507
OR7D4	0.009064	0
OR7E24	0.009047	0
OR7G1	0.003569	0.002501
OR7G2	0.002176	0.006862
OR7G3	0.009033	0
OR8B4	0.001255	0.001319
OR8D2	0.003272	0.005733
OR8D4	0	0.009003
OR8G2	0.001726	0.007257
OR8G5_1	0.00897	0
OR8G5_2	0.001258	0.002646
OR8H3	0.008962	0
OR8J1	0.004369	0.004593
OR8K1	0.008949	0
OR8K3	0.004362	0.004585
OR8S1	0.006281	0.002641
OR9A4	0	0.008908
OR9G1	0.008898	0
OR9G9	0.008898	0
OR9K2	0	0.008895
OR9Q2	0.004332	0.004554
ORAI1	0.008883	0
ORAI2	0.002216	0.003728
ORAI3	0	0.008866
ORAOV1	0	0.008857
ORC1	0.004317	0.004538
ORC2	0.008847	0
ORC3	0.005796	0.003046
ORC4	0.004307	0.004528
ORC5	0.002837	0.005965
ORC6	0.002647	0.003479
ORM1	0.008787	0
ORMDL1	0.008787	0
ORMDL2	0.002829	0.005947
ORMDL3	0.002828	0.005945
OS9	0.004273	0.004492
OSBP	0.004259	0.004477
OSBP2	0.003169	0.005552
OSBPL10	0.008718	0
OSBPL11	0	0.008715
OSBPL1A	0	0.008715
OSBPL2	0.006694	0.002011
OSBPL3	0.008699	0
OSBPL5	0.008691	0
OSBPL6	0.008689	0

OSBPL7	0	0.008687
OSBPL8	0.004856	0.003829
OSBPL9	0.004234	0.004451
OSCAR	0.004233	0.00445
OSCP1	0.006427	0.002252
OSER1	0	0.008659
OSGEP	0.00865	0
OSGEPL1	0.008626	0
OSGIN1	0.004203	0.004419
OSGIN2	0.008621	0
OSM	0	0.008604
OSMR	0.008602	0
OSR1	0	0
OSR2	0.008593	0
OST4	0.003294	0.005296
OSTC	0	0.008577
OSTF1	0.008555	0
OSTM1	0.008555	0
OSTN	0.002059	0.006494
OTC	0.00464	0.003902
OTOA	0.00416	0.004374
OTOF	0.005592	0.002939
OTOG	0.004233	0.00089
OTOGL	0	0.008523
OTOL1	0.005582	0.002934
OTOP1	0	0.008503
OTOP2	0.001016	0.007479
OTOP3	0.000902	0.00759
OTOR	0.004759	0.003723
OTOS	0.002734	0.005747
OTP	0.001161	0.00732
OTUB1	0	0.008466
OTUB2	0.004975	0.003487
OTUD1	0	0.008435
OTUD3	0.004581	0.003853
OTUD4	0.002718	0.005714
OTUD5	0.005507	0.002895
OTUD6A	0	0.008392
OTUD6B	0.00202	0.006371
OTUD7A	0.00164	0.003447
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OTULIN	0.004551	0.003828
OTULINL	0.00837	0
OTX1	0.00837	0
OTX2	0.008348	0
OVCA2	0.005119	0.003229
OVCH2	0.008343	0
OVGP1	0.008343	0
OVOL1	0.008321	0
OVOL2	0.008316	0

OVOL3	0.008307	0
OVOS2	0.002182	0.006118
OXA1L	0.00829	0
OXCT1	0.008281	0
OXCT2	0.006129	0.002148
OXGR1	0.008276	0
OXLD1	0.00266	0.005593
OXNAD1	0.00461	0.003634
OXR1	0	0.008239
OXSM	0.002899	0.005333
OXSR1	0	0.008231
OXT	0	0.008223
OXTR	0.008211	0
P2RX1	0.008211	0
P2RX2	0.008211	0
P2RX3	0.008211	0
P2RX4	0.008211	0
P2RX5	0.000736	0.001547
P2RX6	0.001973	0.006222
P2RX7	0	0.00819
P2RY1	0.003992	0.004197
P2RY10	0.00112	0.007067
P2RY11	0.008185	0
P2RY12	0.008185	0
P2RY13	0.008185	0
P2RY14	0.00197	0.006213
P2RY2	0.002149	0.006024
P2RY4	0.002363	0.005797
P2RY6	0.008159	0
P2RY8	0.00815	0
P3H1	0.008148	0
P3H2	0.008145	0
P3H4	0.00174	0.0064
P4HA1	0.008133	0
P4HA2	0.003964	0.004167
P4HA3	0.004693	0.003416
P4HB	0	0.008092
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PA2G4	0.004214	0.003876
PAAF1	0	0.008084
PABPC1	0	0.008062
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PACSIN1	0.005872	0.002058
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PACSIN3	0.003295	0.004618
PADI1	0.00255	0.005362
PADI2	0.002868	0.005025
PADI3	0.007888	0
PADI4	0.003613	0.004273
PADI6	0	0.007851
PAEP	0.001157	0.006691
PAF1	0.007843	0
PAFAH1B1	0	0.007806
PAFAH1B2	0.00779	0
PAFAH1B3	0.005105	0.002683
PAFAH2	0.007786	0
PAG1_1	0	0.007776
PAG1_2	0.00336	0.004415
PAG10	0.007775	0
PAG11	0.003235	0.004534
PAG12	0	0.007768
PAG14	0.007767	0
PAG15	0	0.007765
PAG16	0	0.007746
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PAG18	0.003774	0.003967
PAG19	0.00774	0
PAG2	0.007728	0
PAG20	0.005709	0.002001
PAG21	0.005926	0.00178
PAG3	0.003755	0.003947
PAG4	0.003293	0.004406
PAG5	0	0
PAG6	0.004525	0.003172
PAG7	0.002984	0.004705
PAG8	0.005035	0.002647
PAG9	0.001188	0.001561
PAGE4	0.003734	0.003925
PAGR1	0.002173	0.005483
PAH	0.0045	0.003154
PAICS	0.005014	0.002636
PAICSP	0.002689	0.004947
PAIP1	0.005004	0.00263
PAIP2	0.006834	0.000798
PAIP2B	0.006042	0.001588
PAK1	0	0
PAK1IP1	0	0.007614
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PAK4	0	0
PAK5	0.00561	0.001966
PAK6	0.007564	0
PALB2	0.007548	0
PALD1	0.007548	0
PALLD	0.004435	0.003108
PALM	0.002078	0.005461
PALM2	0.002606	0.004931
PALM3	0.004212	0.003321
PALMD	0.00753	0
PAM	0.003669	0.003857
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PAMR1	0.007511	0
PAN2	0	0.007493
PAN3	0.001804	0.005688
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PANK3	0	0.007463
PANK4	0.002213	0.005235
PANX1	0.005231	0.0022
PANX2	0.007418	0
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PAOX	0.007411	0
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PAPPA2	0.007287	0
PAPSS1	0.002648	0.004639
PAPSS2	0.003551	0.003733
PAQR3	0.003416	0.003868
PAQR4	0.00633	0.000951
PAQR5	0.007279	0
PAQR6	0.003139	0.004125
PAQR7	0.007245	0
PAQR8	0	0.007244
PAQR9	0.002332	0.004903
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PARD6A	0	0.007231
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PARD6G	0.003938	0.003252
PARG	0.005201	0.001988
PARK7	0	0.007185
PARL	0.001794	0.002156
PARM1	0.005913	0.001243

PARN	0.005298	0.001856
PARP1	0.007151	0
PARP10	0.003328	0.003817
PARP11	0	0.007136
PARP12	0.003475	0.003653
PARP14	0.003475	0.003653
PARP16	0.003473	0.003651
PARP2	0.003056	0.001607
PARP3	0.00606	0.001062
PARP4	0	0.007118
PARP6	0.003469	0.003646
PARP8	0.007112	0
PARP9	0	0.007112
PARPBP	0.001134	0.005963
PARS2	0.007092	0
PARVA	0.007092	0
PARVB	0.003064	0.004027
PARVG	0	0.007078
PASD1	0.00706	0
PASK	0.004614	0.002425
PATE1	0.007031	0
PATE2	0.003428	0.003604
PATE3	0.003424	0.0036
PATJ	0.001727	0.001815
PATL1	0.007003	0
PATL2	0.007003	0
PATZ1	0.001222	0.00578
PAWR	0.006994	0
PAX1	0.006975	0
PAX2	0.003894	0.00307
PAX3	0.005032	0.001923
PAX4	0.005134	0.001799
PAX5	0	0.006924
PAX6	0	0.006919
PAX8	0.006911	0
PAX9	0.002024	0.003074
PAXBP1	0.005285	0.001587
PAXIP1	0	0.006855
PAXX	0.006848	0
PBDC1	0.003829	0.003019
PBK	0	0.006839
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PBRM1	0.006833	0
PBX1	0.006833	0
PBX2	0.001311	0.005512
PBX3	0.004009	0.00281
PBX4	0	0.006814
PBXIP1	0.004459	0.002344
PC	0.004876	0.001922
PCBD1	0.006794	0

PCBD2	0	0.006792
PCBP1	0.006791	0
PCBP2	0.006788	0
PCBP3	0.001634	0.005153
PCBP4	0.002187	0.004598
PCCA	0.00361	0.003163
PCCB	0.001629	0.005139
PCDH1	0.003833	0.001612
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PCDH9	0.001282	0.00539
PCDHA13	0.003917	0.002746
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PCDHB1	0.006655	0
PCDHB11	0	0.006653
PCDHB14	0	0
PCDHB8	0.000734	0
PCDHGA2	0.00526	0.001383
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PCED1A	0.003221	0.003386
PCED1B	0.001707	0.002542
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PCGF1	0	0.006583
PCGF2	0.003869	0.002712
PCGF3	0.006576	0
PCGF5	0.0032	0.003364
PCGF6	0.003419	0.003145
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PCIF1	0	0.006552
PCK1	0	0.006552
PCK2	0.002111	0.004439
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PCM1	0.003172	0.003335
PCMT1	0.003166	0.003328
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PCNA	0.002071	0.004354
PCNP	0	0.006424
PCNT	0.006407	0

PCNX1	0.004738	0.00166
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PCOLCE	0	0
PCOLCE2	0.00636	0
PCP2	0.006355	0
PCP4	0.003093	0.003251
PCP4L1	0.006329	0
PCSK1	0.002632	0.003689
PCSK1N	0.006319	0
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PCSK5	0.00279	0.003519
PCSK6	0.006283	0
PCSK7	0	0
PCTP	0.006275	0
PCYOX1	0	0.00627
PCYOX1L	0.000954	0.001337
PCYT1A	0.002275	0.003986
PCYT1B	0.006227	0
PCYT2	0.006222	0
PDAP1	0	0.006212
PDC	0.00388	0.002331
PDCD1	0.002401	0.003786
PDCD10	0.006163	0
PDCD11	0.004564	0.001599
PDCD1LG2	0.006139	0
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PDCD2L	0.002379	0.003752
PDCD4	0.006124	0
PDCD5	0.006119	0
PDCD6	0.006119	0
PDCD6IP	0.006105	0
PDCD7	0.003588	0.002515
PDCL	0.003315	0.002788
PDCL2	0.00325	0.002847
PDCL3	0	0.006096
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PDE11A	0.002351	0.003707
PDE12	0.001753	0.004301
PDE1A	0.001668	0.004384
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PDE3A	0.005987	0
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PDE4C	0.002912	0.003061

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PDE4DIP	0.004418	0.001548
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PDE9A	0.005896	0
PDF	0.005887	0
PDGFA	0	0.005877
PDGFB	0.003841	0.002019
PDGFC	0	0
PDGFD	0	0.005851
PDGFRA	0.003437	0.002409
PDGFRB	0.005843	0
PDGFRL	0.001534	0.0043
PDHA1	0	0.005814
PDHA2	0	0.005797
PDHB	0.003554	0.002242
PDHX	0.001867	0.003926
PDIA2	0.001113	0.004679
PDIA3	0.00282	0.002965
PDIA4	0.005784	0
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PDILT	0	0.005748
PDK1	0	0.005734
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PDK4	0	0.005701
PDLIM1	0	0.005685
PDLIM2	0.005684	0
PDLIM3	0.00568	0
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PDLIM5	0.002202	0.003472
PDLIM7	0	0.005661
PDP1	0	0.005661
PDP2	0.002759	0.0029
PDPK1	0	0.005633
PDPN	0	0
PDPR	0.002734	0.002874
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PDS5A	0.005598	0

PDS5B	0.005596	0
PDSS1	0.005586	0
PDSS2	0.004129	0.001447
PDX1	0.001071	0.004505
PDXDC1	0.005567	0
PDXK	0.005566	0
PDXP	0	0.005564
PDYN	0	0.00556
PDZD11	0.005548	0
PDZD2	0.00553	0
PDZD3	0.003624	0.001905
PDZD4	0.00269	0.002828
PDZD7	0.005515	0
PDZD8	0.005515	0
PDZD9	0.002682	0.00282
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PDZK1IP1	0.001322	0.00417
PDZRN3	0.005491	0
PDZRN4	0.002674	0.002811
PEA15	0.005478	0
PEAK1	0.005453	0
PEAK3	0	0.005442
PEAR1	0.003362	0.002062
PEBP1	0.005411	0
PEBP4	0.0054	0
PECAM1	0.005396	0
PECR	0.001736	0.003649
PEF1	0.002623	0.002758
PEG10	0.000736	0.004643
PEG11AS	0.005366	0
PEG3	0	0.005359
PELI1	0.001727	0.003632
PELI2	0	0.005358
PELI3	0	0.005349
PELO	0	0.005349
PELP1	0.003961	0.001388
PEMT	0.003502	0.001841
PENK	0.002599	0.002732
PEPD	0.004523	0.000793
PER1	0	0.0053
PER2	0.004378	0.00092
PER3	0	0.005297
PERM1	0.005296	0
PERP	0.001016	0.004271
PES1	0.004731	0.000553
PET100	0.005246	0
PET117	0.005244	0
PEX1	0.002554	0.002685
PEX10	0.001115	0.004101
PEX11A	0.005208	0

PEX11B	0.002199	0.003005
PEX11G	0.005201	0
PEX12	0.005201	0
PEX13	0.005197	0
PEX14	0.00519	0
PEX16	0.005173	0
PEX19	0	0.005159
PEX2	0	0.005159
PEX26	0.003631	0.001527
PEX3	0.005137	0
PEX5	0.005125	0
PEX5L	0.005118	0
PEX6	0	0.005117
PEX7	0	0.005106
PF4	0.002489	0.002616
PFAS	0.005087	0
PFDN1	0.00247	0.002596
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PFKFB1	0	0.005024
PFKFB2	0.005022	0
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PFKM	0.004999	0
PFKP	0.001068	0.003931
PFN1	0.00148	0.003502
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PFN3	0.004955	0
PFN4	0.004942	0
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PGAM1	0.00322	0.001693
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PGAP1	0	0.004882
PGAP2	0.0032	0.001682
PGAP3	0.004853	0
PGBD1	0.002363	0.002484
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PGC	0	0.004812
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PGGT1B	0.00474	0
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PGK2	0.004725	0
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PGM1	0.00465	0
PGM2	0.004645	0
PGM2L1	0.001118	0.003525
PGM3	0.001495	0.003143
PGM5	0.00284	0.001792
PGP	0.002	0.002629
PGPEP1	0.001492	0.003136
PGPEP1L	0	0.004601
PGR	0.003011	0.001583
PGRMC1	0.002229	0.002343
PGRMC2	0.004571	0
PGS1	0.004562	0
PHACTR1	0	0.004537
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PHACTR3	0.004505	0
PHACTR4	0	0.004499
PHAX	0.004493	0
PHB	0.00449	0
PHB2	0	0.004489
PHC1	0.001079	0.003402
PHC2	0.004465	0
PHC3	0.004461	0
PHETA1	0	0.004444
PHETA2	0.004444	0
PHEX	0.004436	0
PHF1	0.002898	0.001523
PHF10	0.003647	0.000767
PHF11	0	0.004404
PHF12	0.004404	0
PHF13	0.003475	0.000913
PHF14	0	0.004388
PHF19	0.00087	0
PHF2	0.001051	0.003314
PHF20	0.004342	0
PHF20L1	0.004337	0
PHF21A	0.004335	0
PHF21B	0	0.004327
PHF23	0.00432	0
PHF24	0	0.004311
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PHF5A	0	0.004287
PHF6	0	0.00428
PHF7	0	0.00428
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PHKB	0.001641	0.002588
PHKG1	0.004219	0
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PHLDA1	0.00421	0
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PHLDB1	0.004169	0
PHLDB2	0.004159	0
PHLDB3	0.002027	0.002131
PHLPP1	0.002022	0.002126
PHLPP2	0.002717	0.001428
PHOSPHO1	0	0.004126
PHOSPHO2	0.003047	0.001068
PHOX2A	0.002002	0.002104
PHOX2B	0	0.004101
PHPT1	0.0041	0
PHRF1	0	0.004099
PHTF1	0.004098	0
PHTF2	0.004092	0
PHYH	0.004073	0
PHYHD1	0	0
PHYHIP	0	0.004072
PHYHIPL	0.000556	0.003506
PHYKPL	0	0.004058
PI15	0.002385	0.001671
PI16	0.004056	0
PI3	0	0.004054
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PI4K2B	0.004024	0
PI4KA	0	0.00402
PI4KB	0.001194	0.002823
PIANP	0	0.004008
PIAS1	0.001553	0.002449
PIAS2	0.003979	0
PIAS3	0.003979	0
PIAS4	0.001275	0.002681
PIBF1	0.003941	0
PICALM	0.003893	0
PICK1	0	0.003879
PID1	0.003878	0
PIDD1	0.003878	0
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PIEZO2	0.001882	0.001978
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PIGK	0.003794	0
PIGL	0.001848	0.001943
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PIGN	0.003781	0
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PIH1D3	0	0.003711
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PIK3C3	0.003676	0
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PIK3CB	0.002407	0.001265
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PIK3R3	0	0.003625
PIK3R4	0.002374	0.001248
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PIK3R6	0.001761	0.001851
PIKFYVE	0.002852	0.00075
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PKIG	0.002005	0.001054
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PKM	0	0.003046
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PLA2G1B	0	0.002911
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PLA2G2F	0	0.002813
PLA2G3	0.001365	0.001435
PLA2G4A	0.0028	0
PLA2G4B	0	0.002795
PLA2G4D	0	0.002775
PLA2G4E	0.00275	0
PLA2G4F	0.002734	0
PLA2G5	0.00272	0
PLA2G6	0	0.002713
PLA2G7	0.001319	0.001387
PLA2R1	0.002705	0
PLAA	0.002701	0
PLAC1	0.0027	0
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PLAC8_2	0.002688	0
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PLCXD1	0.002391	0
PLCXD2	0.001503	0.000878
PLCXD3	0.002375	0
PLCZ1	0.001154	0.001213
PLD1	0	0.00235
PLD2	0	0.002325
PLD3	0.001832	0.000481
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PLEC	0.001105	0.001161
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PLEK2	0.002218	0
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PLEKHB2	0.002049	0
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PLEKHO2	0.000911	0.000957
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PLXNA3	0	0.000906
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ZNF883	0	0
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ZNHIT6	0	0
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ZPLD1	0	0
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ZRSR2	0	0
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ZSCAN32	0	0
ZSCAN4_1	0	0
ZSCAN4_2	0	0
ZSCAN5B	0	0
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ZSWIM2	0	0
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ZSWIM4	0	0
ZSWIM5	0	0
ZSWIM6	0	0
ZSWIM7	0	0
ZSWIM8	0	0
ZSWIM9	0	0
ZUP1	0	0
ZW10	0	0
ZWILCH	0	0
ZWINT	0	0
ZXDB	0	0
ZXDC	0	0
ZYG11A	0	0
ZYG11B	0	0
ZYX	0	0
ZZEF1	0	0
ZZZ3	0	0

Additional File I_3: Transcripts used for PANTHER analysis with renamed Ids.

Enriched in the visual cortex of the long-finned pilot whale compared to the cerebellum of the long-finned pilot whale	
Original ID	ID used for PANTHER GO analysis
ABCD2	ABCD2
ABHD11	ABHD11
ABHD3	Q0VC00
ABHD8	ABHD8
ABLIM2	ABLIM2
ABR	ABR
ABRACL	ABRACL
ACAT2	ACAT2
ACER3	ACER3
ACLY	ACLY
ACOT7	ACOT7
ACSL3	ACSL3
ACTC1	ACTC1
ACTN1	ACTN1
ACTN2	Q3ZC55
ACTN4	ACTN4
ADA	P56658
ADAM23	ADAM23
ADAMTS4	Q9TT93
ADARB1	ADARB1
ADCY1	P19754
ADCY2	ADCY2
ADCY5	ADCY5
ADCYAP1	ADCYAP1
ADCYAP1R1	ADCYAP1R1
ADGRB1	ADGRB1
ADGRB2	ADGRB2
ADGRG1	GPR56
ADHFE1	A6QP15
ADRA1B	ADRA1B
AGAP2	AGAP2
AIF1L	AIF1L
AIFM3	AIFM3
AJAP1	AJAP1
AK5	AK5
AKAP2	AKAP2
AKAP5	P24275
AKAP6	AKAP6
AKAP7	AKAP7
AKIP1	AKIP1
ALCAM	Q9BH13

ALDH1L1	ALDH1L1
AMDHD2	A7MBC0
AMOTL1	AMOTL1
ANGPTL7	ANGPTL7
ANKRD50	ANKRD50
ANKS1B	ANKS1B
ANO3	ANO3
ANXA3	Q3SWX7
ANXA6	ANXA6
AP1S1	AP1S1
AP2S1	AP2S1
AP3S1	Q2YDH6
APC	APC
APLP1	APLP1
APOD	Q32KY0
ARAP2	ARAP2
ARC	ARC
ARHGAP11A	ARHGAP11A
ARHGAP32	ARHGAP32
ARHGDIB	ARHGDIB
ARHGDIG	Q0II80
ARHGEF10	ARHGEF10
ARHGEF17	ARHGEF17
ARHGEF28	ARHGEF28
ARHGEF3	ARHGEF3
ARHGEF7	ARHGEF7
ARL4C	ARL4C
ARL4D	ARL4D
ARL6IP5	ARL6IP5
ARL8B	Q2KI07
ARPC5L	ARPC5L
ARPP19	ARPP19
ARPP21	ARPP21
ARRB1	ARRB1
ARRDC2	ARRDC2
ASAP1	O97902
ASIC2	ASIC2
ASPA	P46446
ATCAY	ATCAY
ATL1	ATL1
ATP13A2	ATP13A2
ATP1B1	ATP1B1
ATP2B3	ATP2B3
ATP6V0D1	ATP6V0D1
ATP6V1E2	ATP6V1E2
ATRNL1	ATRNL1
ATXN7L3	ATXN7L3
B3GALT1	B3GALT1
B3GALT2	B3GALT2
B3GAT1	B3GAT1

B3GAT2	B3GAT2
B3GNT2	B3GNT2
B4GALT2	B4GALT2
B4GAT1	B4GAT1
B9D1	B9D1
BAALC	BAALC
BAIAP2	BAIAP2
BAMBI	BAMBI
BCAP29	BCAP29
BCAS1	BCAS1
BCAT1	BCAT1
BCL11A	BCL11A
BCL2L1	BCL2L1
BEND5	BEND5
BHLHE40	BHLHE40
BHMT	BHMT
BLOC1S3	BLOC1S3
BLVRA	BLVRA
BMPER	BMPER
BORCS6	Q3SX20
BRD3OS	BRD3OS
BRINP1	BRINP1
BRINP2	BRINP2
BRINP3	BRINP3
BTBD10	BTBD10
BTBD9	BTBD9
BTG3	BTG3
BZW2	BZW2
C10H15orf48	ENSBTAG00000004558
C11H9orf16	ENSBTAG00000014150
C14H8orf88	C8orf88
C15H11orf87	C15H11orf87
C15H11orf96	C11orf96
C1QB	C1QB
C1QC	C1QC
C1QL3	C1QL3
C22H3orf14	ENSBTAG00000001889
C25H16orf45	ENSBTAG00000011692
C2H2orf72	ENSBTAG00000026710
C2H2orf80	ENSBTAG00000015919
C3H1orf216	ENSBTAG00000038292
C7H19orf70	ENSBTAG00000001792
CA2	P00921
CA4	CA4
CA7	CA7
CAB39L	CAB39L
CABP1	CABP1
CACNA1E	CACNA1E
CACNA2D3	CACNA2D3
CACNB1	CACNB1

CACNB3	CACNB3
CACNG3	CACNG3
CALCR	CALCR
CALM	P62157
CALM2	ENSBTAG00000001575
CALY	CALY
CAMK1	CAMK1
CAMK1D	CAMK1D
CAMK1G	CAMK1G
CAMK2A	CAMK2A
CAMK2G	CAMK2G
CAMK2N1	CAMK2N1
CAMKV	CAMKV
CAP1	A6QLB7
CAP2	CAP2
CAPZA2	CAPZA2
CARNS1	CARNS1
CARTPT	CARTPT
CAVIN3	CAVIN3
CBLN2	CBLN2
CBR1	Q3SZD7
CCDC124	CCDC124
CCDC136	CCDC136
CCDC181	CCDC181
CCDC184	CCDC184
CCDC65	CCDC65
CCDC71	CCDC71
CCDC80	CCDC80
CCDC88A	CCDC88A
CCKBR	P79266
CCNY	CCNY
CCNYL1	CCNYL1
CCSER2	CCSER2
CD24	CD24
CDC42EP3	CDC42EP3
CDC42SE2	CDC42SE2
CDH10	CDH10
CDH12	CDH12
CDH20	CDH20
CDH3	P19535
CDH8	CDH8
CDK14	PFTK1
CDK17	CDK17
CDK18	ENSBTAG00000012673
CDK5R1	CDK5R1
CDK5R2	CDK5R2
CDKL1	CDKL1
CDKL5	CDKL5
CDKN2D	CDKN2D
CFAP20	CFAP20

CHD5	CHD5
CHGA	P05059
CHML	CHML
CHN1	Q17QN0
CHRM1	CHRM1
CHRM3	CHRM3
CHRNA7	CHRNA7
CHST1	CHST1
CHST15	CHST15
CHST8	CHST8
CISD3	CISD3
CIT	CIT
CLCN4	CLCN4
CLEC2L	CLEC2L
CLIP2	CLIP2
CLIP4	CLIP4
CLSTN1	CLSTN1
CMIP	CMIP
CMSS1	ENSBTAG00000013663
CMTM5	CMTM5
CNDP1	CNDP1
CNIH2	ENSBTAG00000004828
CNKSR3	CNKSR3
CNP	CNP
CNTNAP1	CNTNAP1
CNTNAP5	CNTNAP5
COA7	COA7
COL11A1	Q28083
COL11A2	Q32S24
COL16A1	COL16A1
COL21A1	COL21A1
COL23A1	COL23A1
COL24A1	COL24A1
COPRS	COPRS
COPS9	COPS9
CORO1A	CORO1A
COX5A	COX5A
COX6A1	COX6A1
COX7ALP1	COX7A1
COX7B2	COX7B2
CPE	CPE
CPLX1	CPLX1
CPLX3	Q0IIE0
CPNE4	ENSBTAG00000010448
CPNE5	CPNE5
CPNE6	CPNE6
CPNE8	CPNE8
CPXM2	CPXM2
CRHBP	CRHBP
CRIM1	CRIM1

CRTAC1	CRTAC1
CRYGB	CRYGB
CRYM	CRYM
CSMD2	CSMD2
CSPG5	CSPG5
CSRNP3	CSRNP3
CTHRC1	CTHRC1
CTPS1	ENSBTAG00000001626
CTSB	CTSB
CTTNBP2	CTTNBP2
CTXN1	CTXN1
CUX2	CUX2
CX3CL1	CX3CL1
CXADR	CXADR
CXCL14	CXCL14
CYP46A1	CYP46A1
CYR61	CYR61
CYTL1	CYTL1
DAAM2	DAAM2
DACT3	DACT3
DAPK1	DAPK1
DBNL	DBNL
DBX2	DBX2
DCAF6	DCAF6
DCLK1	DCLK1
DCTPP1	Q32KY6
DCX	DCX
DDIT4L	DDIT4L
DDN	DDN
DGKB	DGKB
DGKG	DGKG
DIO2	DIO2
DIRAS3	DIRAS3
DKK2	DKK2
DLG4	DLG4
DLGAP1	DLGAP1
DMTN	DMTN
DNAJA1	DNAJA1
DNAJB1	Q3MI00
DNAJB5	DNAJB5
DNAJC15	DNAJC15
DNAJC19	Q3ZBN8
DOC2A	DOC2A
DOCK10	DOCK10
DOCK3	DOCK3
DOCK4	DOCK4
DOK6	DOK6
DPCD	DPCD
DPF1	DPF1
DPP10	DPP10

DPYSL3	DPYSL3
DPYSL4	DPYSL4
DRAXIN	DRAXIN
DRD1	DRD1
DRP2	DRP2
DSCAM	DSCAM
DUSP14	DUSP14
DUSP22	DUSP22
DUSP3	DUSP3
DUSP6	DUSP6
DUSP7	DUSP7
DYNC1I1	DYNC1I1
DYNLT3	DYNLT3
DYRK2	DYRK2
E2F3	E2F3
EDIL3	EDIL3
EFHD1	EFHD1
EFHD2	EFHD2
EFNA5	EFNA5
EFNB2	EFNB2
EGLN3	EGLN3
EGR1	Q29W20
EGR2	EGR2
EGR3	EGR3
EGR4	Q9GL32
EIF4E3	EIF4E3
EIF5A2	EIF5A2
ELFN2	ELFN2
ELL2	ELL2
ELOVL7	A0JNC4
EMC9	EMC9
EML1	EML1
EMX2	EMX2
ENC1	ENC1
ENDOD1	ENDOD1
ENPP4	ENPP4
ENTPD6	ENTPD6
EPB41L2	EPB41L2
EPDR1	EPDR1
EPHA3	EPHA3
EPHA4	EPHA4
EPHA5	EPHA5
EPHB1	EPHB1
EPHB2	EPHB2
EPHB3	EPHB3
EPHB6	EPHB6
EPOP	ENSBTAG00000048067
EPS15	EPS15
ERC2	ERC2
ERI3	ERI3

ERICH3	C3H1orf173
ERMN	Q3ZBR9
ETS2	A1A4L6
ETV5	ETV5
EVI2A	EVI2A
EVL	EVL
EXOC4	EXOC4
EXTL1	EXTL1
FA2H	FA2H
FABP3	FABP3
FADS6	FADS6
FAM131A	FAM131A
FAM13C	FAM13C
FAM171A1	FAM171A1
FAM172A	FAM172A
FAM19A1	FAM19A1
FAM19A2	FAM19A2
FAM19A5	Q3ZBS2
FAM212B	FAM212B
FAM214B	FAM214B
FAM219A	FAM219A
FAM49A	FAM49A
FAM69C	FAM69C
FAM81A	FAM81A
FAM92A	Q3SZG6
FANCL	FANCL
FAR2	FAR2
FAT3	FAT3
FBXL16	FBXL16
FBXL17	ENSBTAG00000019285
FBXL2	FBXL2
FBXO32	FBXO32
FBXO34	FBXO34
FBXW7	FBXW7
FCER1G	FCER1G
FDPS	FDPS
FDX2	FDX2
FGF10	BT11000
FHOD3	FHOD3
FKBP1A	FKBP1A
FKBP1B	FKBP1B
FKBP3	FKBP3
FKBP5	FKBP5
FLRT2	FLRT2
FNDC9	FNDC9
FOLH1B	ENSBTAG00000007397
FOSL2	FOSL2
FRMD4A	FRMD4A
FRMD4B	FRMD4B
FRMPD3	FRMPD3

FRZB	FRZB
FSCN1	FSCN1
FXYD7	FXYD7
FYN	FYN
G6PC3	G6PC3
GABBR2	GABBR2
GABRA2	GABRA2
GABRA3	P10064
GABRA4	GABRA4
GABRA5	GABRA5
GABRB1	GABRB1
GABRB3	GABRB3
GADD45B	GADD45B
GALK2	GALK2
GALNT14	GALNT14
GALNT18	ENSBTAG00000002914
GALT	P08037
GARS	Q59A32
GAS2L1	GAS2L1
GAS7	GAS7
GATB	ENSBTAG00000013914
GCA	GCA
GCAT	GCAT
GDA	Q01888
GDE1	GDE1
GDPD1	GDPD1
GFOD1	GFOD1
GFRA2	Q5E9X0
GJB6	GJB6
GJD2	GJD2
GLIPR2	GLIPR2
GLS2	GLS2
GLUD1	P00366
GLUL	GLUL
GLULP	GLULP
GMPR	GMPR
GNB4	GNB4
GNB5	GNB5
GNG2	GNG2
GNG7	GNG7
GPR22	GPR22
GPR26	GPR26
GPR27	GPR27
GPR3	GPR3
GPR37	GPR37
GPR52	A6QLE7
GPR61	GPR61
GRASP	GRASP
GRIA3	GRIA3
GRID1	GRID1

GRIK3	GRIK3
GRIN2A	F1MLZ9
GRIP1	GRIP1
GRM2	GRM2
GRM3	GRM3
GRM5	ENSBTAG00000034845
GRM7	GRM7
GRM8	GRM8
GSG1L	GSG1L
GSN	GSN
GUCY1B1	GUCY1B1
GUCY2D	P55203
HABP4	HABP4
HAPLN1	HAPLN1
HAPLN2	HAPLN2
HAPLN4	HAPLN4
HCN1	HCN1
HMGB3	HMGB3
HMGCS1	HMGCS1
HOMER1	HOMER1
HOMER2	HOMER2
HOPX	HOPX
HPCA	HPCA
HPCAL4	HPCAL4
HPSE	Q9MYY0
HS3ST1	HS3ST1
HS3ST2	HS3ST2
HS3ST4	HS3ST4
HS6ST3	HS6ST3
HSD11B1	HSD11B1
HSD17B6	Q3T001
HSPA12A	HSPA12A
HSPA4L	HSPA4L
HSPB1	HSPB1
HSPB3	HSPB3
HSPBP1	HSPBP1
HSPH1	HSPH1
IDI1	Q1LZ95
IFI27L2	IFI27L2
IFI35	IFI35
IL13RA1	IL13RA1
IL18	Q9TU73
IL1RAP	IL1RAP
IL34	IL34
ILDR2	ILDR2
IMMP2L	IMMP2L
INF2	INF2
IRF8	IRF8
ITGA4	ITGA4
ITGB8	ITGB8

ITM2C	ITM2C
ITPKA	ITPKA
JAG1	JAG1
JAKMIP1	JAKMIP1
JAM3	JAM3
JAZF1	JAZF1
JUNB	JUNB
KALRN	KALRN
KCNAB2	KCNAB2
KCNB1	KCNB1
KCNC2	KCNC2
KCNF1	KCNF1
KCNH3	KCNH3
KCNH4	KCNH4
KCNIP2	KCNIP2
KCNIP3	KCNIP3
KCNJ4	KCNJ4
KCNMA1	KCNMA1
KCNMB4	KCNMB4
KCNQ3	KCNQ3
KCNQ5	KCNQ5
KCNS2	KCNS2
KCNS3	KCNS3
KCNV1	Q0P583
KCTD1	KCTD1
KCTD13	Q2T9W0
KCTD17	KCTD17
KCTD4	KCTD4
KHDRBS3	KHDRBS3
KIAA0319	KIAA0319
KIAA0930	KIAA0930
KIAA1211	ENSBTAG00000040398
KIAA1211L	ENSBTAG00000040398
KIAA1217	KIAA1217
KIAA1324	KIAA1324
KIAA1841	ENSBTAG00000032124
KIF21B	KIF21B
KIF2A	KIF2A
KIF5A	KIF5A
KIF5C	KIF5C
KLF10	KLF10
KLF16	KLF16
KLHDC9	KLHDC9
KLHL23	KLHL23
KLHL29	KLHL29
KLHL32	KLHL32
KLK6	KLK6
KRT222	KRT222
L3MBTL3	L3MBTL3
LAMB1	LAMB1

LAMB3	LAMB3
LAMP5	LAMP5
LBH	LBH
LCN2	LCN2
LDB2	LDB2
LGALS3	Q0VBW6
LGI2	LGI2
LGI4	LGI4
LHFPL3	LHFPL3
LHX2	LHX2
LIMK1	LIMK1
LIN7B	LIN7B
LINGO1	LINGO1
LITAF	LITAF
LMBRD2	LMBRD2
LMO3	LMO3
LMO4	LMO4
LMO7	LMO7
LMTK2	LMTK2
LOC100139276	DNAJA1
LOC100141107	TMEM126A
LOC100297240	LOC100297240
LOC100297586	P13183
LOC100299139	GLUL
LOC100300510	TCRB
LOC100337022	TMEM155
LOC101902002	COX6A1
LOC101902290	HIGD1A
LOC101902340	GLRX
LOC101902807	SDCBP
LOC101905979	TMSB4X
LOC101906065	RAMMET
LOC101907965	ENSBTAG00000034496
LOC104969340	TPM3
LOC104975593	ARPP19
LOC107131447	LOC107131447
LOC107132260	DYNLL2
LOC107133457	NRXN3
LOC112442950	LOC112442950
LOC112445029	SLC9A6
LOC112445031	FGF13
LOC112445150	ARPP19
LOC112445968	FKBP1A
LOC112447300	TAGLN3
LOC112448889	LOC112448889
LOC509184	LOC509184
LOC510369	LOC510369
LOC513164	P00366
LOC516421	SLC15A2
LOC521656	LOC521656

LOC522140	A6QLB7
LOC525947	LOC525947
LOC527981	LRP1
LOC530929	LOC530929
LOC574091	LOC574091
LOC613512	HPRT1
LOC613988	SEPW1
LOC614424	LMO4
LOC781280	OSBPL1A
LOC782779	DNAJA1
LOC783688	DYNLL1
LOC784697	MDH1
LOC786332	TMEFF1
LOC786733	LXN
LOC787045	PNP
LOC788205	LOC788205
LOC789808	OSBPL1A
LPCAT2	LPCAT2
LPIN2	LPIN2
LPL	LPL
LRMP	LRMP
LRP11	LRP11
LRRC1	LRRC1
LRRC34	LRRC34
LRRC4	LRRC4
LRRC4C	LRRC4C
LRRC7	F1MCA7
LRRC73	LRRC73
LRRC8B	LRRC8B
LRRC8D	LRRC8D
LRRTM1	LRRTM1
LRRTM2	LRRTM2
LRRTM4	LRRTM4
LSP1	LSP1
LTBP1	LTBP1
LUZP1	LUZP1
LUZP2	ENSBTAG00000001043
LUZP6	LUZP6
LXN	LXN
LY6E	LY6E
LYNX1	LYNX1
LZTS1	LZTS1
MAFB	MAFB
MAG	MAG
MAGEE2	MAGEE2
MAGEL2	MAGEL2
MAGI3	MAGI3
MAL	Q3ZBY0
MAN1A1	MAN1A1
MAN1A2	MAN1A2

MAN2A1	MAN2A1
MANF	MANF
MAP1LC3A	MAP1LC3A
MAP2K1	MAP2K1
MAP2K4	MAP2K4
MAP3K5	MAP3K5
MAPK10	MAPK10
MAPK4	MAPK4
MARC1	MARC1
MARCH2	MARCH2
MAST3	MAST3
MAST4	MAST4
MATK	MATK
MATN2	MATN2
MBOAT7	MBOAT7
MBP	MBP
MCAT	MCAT
MDH1	MDH1
ME3	ME3
MED10	MED10
MEF2A	MEF2A
MEF2C	Q2KIA0
MEIS2	MEIS2
MFSD6	MFSD6
MGAT5B	MGAT5B
MGC157368	MGC157368
MIDN	MIDN
MINDY3	MINDY3
MKKS	MKKS
MKL2	MKL2
MLLT11	MLLT11
MMACHC	MMACHC
MMD	MMD
MMP2	Q9GLE5
MOBP	MOBP
MOG	MOG
MORN4	MORN4
MPPED1	MPPED1
MPPED2	MPPED2
MRPL55	MRPL55
MRPS30	MRPS30
MSMO1	ENSBTAG00000003068
MT1A	MT1A
MT1E	Q2NKV6
MT2A	MT2A
MT3	MT3
MTHFD1L	Q0VCR7
MTPN	MTPN
MXRA7	MXRA7
MYL12B	MYL12B

MYO16	MYO16
MYO9B	MYO9B
MYRF	MYRF
MYRIP	MYRIP
MYT1L	ENSBTAG00000003540
NAT14	NAT14
NAT8L	ENSBTAG00000031364
NCALD	NCALD
NCAN	NCAN
NCEH1	NCEH1
NCKAP1	NCKAP1
NCS1	Q2V8Y7
NDFIP2	NDFIP2
NDUFA12	NDUFA12
NDUFA7	NDUFA7
NDUFAF4	NDUFAF4
NDUFC1	NDUFC1
NECAB3	F1MHI9
NECTIN1	ENSBTAG00000015939
NECTIN3	NECTIN3
NEFH	NEFH
NEFL	NEFL
NEFM	O77788
NET1	NET1
NETO1	NETO1
NFE2L1	NFE2L1
NFKBIE	NFKBIE
NGEF	NGEF
NHP2	NHP2
NIM1K	NIM1K
NLGN1	NLGN1
NLK	Q3ZBD7
NME1	ENSBTAG00000004651
NME7	NME7
NMRK2	ENSBTAG00000031573
NNT	NNT
NOCT	ENSBTAG00000005998
NOTCH2	NOTCH2
NOV	NOV
NPAS2	NPAS2
NPM3	NPM3
NPNT	NPNT
NPTX2	NPTX2
NPTXR	NPTXR
NPY	NPY
NR2E1	NR2E1
NR3C2	NR3C2
NR4A1	NR4A1
NRCAM	NRCAM
NRG3	NRG3

NRGN	NRGN
NRP1	NRP1
NRSN1	NRSN1
NRSN2	NRSN2
NSMF	NSMF
NT5DC1	NT5DC1
NT5E	NT5E
NTAN1	NTAN1
NTN4	NTN4
NTSR2	NTSR2
NUDT1	NUDT1
NUDT6	NUDT6
NUFIP1	NUFIP1
NXPH2	NXPH2
OLA1	OLA1
OLFM1	OLFM1
OLFM2	OLFM2
OLFM3	OLFM3
OLIG1	OLIG1
OLIG2	OLIG2
OMG	OMG
OPALIN	Q0VCK7
OPCML	OPCML
OSBPL1A	OSBPL1A
P2RY12	P2RY12
PAK1	PAK1
PAK3	PAK3
PAK6	PAK6
PALM2	PALM2
PAM	PAM
PAMR1	Q5E9P5
PANX2	PANX2
PAPPA2	PAPPA2
PARM1	ENSBTAG00000015919
PBX1	PBX1
PCDH10	PCDH10
PCDH17	PCDH17
PCDH19	PCDH19
PCDH7	PCDH7
PCDH8	PCDH8
PCDH9	PCDH9
PCMT1	PCMT1
PCSK1	Q9GLR1
PDE10A	PDE10A
PDE1A	PDE1A
PDE2A	P14099
PDE4A	PDE4A
PDE4B	PDE4B
PDE8A	PDE8A
PDE8B	PDE8B

PDGFB	PDGFB
PDGFD	PDGFD
PDGFRA	PDGFRA
PDK3	PDK3
PDLIM3	PDLIM3
PDP1	PDP1
PDP2	PDP2
PDZD2	PDZD2
PENK	PENK
PEPD	PEPD
PEX5L	PEX5L
PFN2	PFN2
PGM2L1	PGM2L1
PHACTR1	PHACTR1
PHF24	PHF24
PHKB	PHKB
PHLDA1	PHLDA1
PHPT1	PHPT1
PHYHD1	Q0IIB1
PHYKPL	PHYKPL
PID1	PID1
PIN1	PIN1
PIP4P2	ENSBTAG00000039968
PLA2G7	Q28017
PLCB1	PLCB1
PLCB2	PLCB2
PLCL1	PLCL1
PLD3	PLD3
PLEKHA5	PLEKHA5
PLEKHG3	PLEKHG3
PLEKHH1	PLEKHH1
PLK2	PLK2
PLLP	PLLP
PLP1	PLP1
PLPPR3	PLPPR3
PLPPR4	PLPPR4
PLPPR5	PLPPR5
PLS3	PLS3
PLXNA2	PLXNA2
PLXNA4	PLXNA4
PLXND1	PLXND1
PMEPA1	PMEPA1
PMM1	PMM1
PMP22	PMP22
PNO1	PNO1
POLR1C	POLR1C
POLR2L	POLR2L
POU3F3	POU3F3
PPARD	PPARD
PPARGC1A	PPARGC1A

PPFIBP1	PPFIBP1
PPIC	PPIC
PPM1E	PPM1E
PPP1R9A	PPP1R9A
PPP2R2B	PPP2R2B
PPP3R1	PPP3R1
PRDM8	PRDM8
PRICKLE1	PRICKLE1
PRICKLE2	PRICKLE2
PRKAR2B	P31322
PRKCA	P04409
PRKCD	PRKCD
PRKCG	P05128
PRKCQ	PRKCQ
PRMT8	PRMT8
PRPS2	PRPS2
PRR13	PRR13
PRRG1	A7Z070
PRRX1	PRRX1
PSD	PSD
PTH	PTH
PTN	PTN
PTPN5	PTPN5
PTPRE	PTPRE
PTPRJ	ENSBTAG00000024715
PTPRK	PTPRK
PTPRS	PTPRS
PTPRT	PTPRT
PXYLP1	PXYLP1
PYCR2	PYCR2
QPCT	Q28120
R3HDM1	R3HDM1
R3HDM4	R3HDM4
RAB11FIP4	RAB11FIP4
RAB11FIP5	RAB11FIP5
RAB27B	RAB27B
RAB3A	RAB3A
RAB6B	RAB6B
RAI14	RAI14
RAMP3	RAMP3
RAP1GAP	RAP1GAP
RAP2A	RAP2A
RAP2B	RAP2B
RAPGEF3	RAPGEF3
RAPGEF5	RAPGEF5
RAPGEFL1	RAPGEFL1
RARB	RARB
RASA1	P09851
RASAL2	RASAL2
RASD2	RASD2

RASGEF1A	RASGEF1A
RASGEF1B	RASGEF1B
RASGRF2	RASGRF2
RASGRP1	RASGRP1
RASL10A	RASL10A
RASL11B	RASL11B
RASSF3	ENSBTAG00000015646
RASSF5	RASSF5
RAVER2	RAVER2
RBFOX1	Q17QD3
RBP4	P18902
RCAN2	RCAN2
RETREG1	RETREG1
REXO2	A2VE52
RFC2	RFC2
RGCC	ENSBTAG00000034885
RGL1	RGL1
RGS17	RGS17
RGS4	Q29RM9
RGS7BP	RGS7BP
RHBDD2	RHBDD2
RHOBTB2	ENSBTAG00000035958
RHOQ	RHOQ
RHOU	RHOU
RIIAD1	RIIAD1
RIMBP2	RIMBP2
RIPOR2	ENSBTAG00000018165
RND1	RND1
RNF157	RNF157
ROBO2	ROBO2
RORB	RORB
RPF2	Q2YDN6
RPH3A	Q06846
RPP40	A7YWU3
RPRM	RPRM
RPS19BP1	RPS19BP1
RPS6KC1	RPS6KC1
RSPO3	RSPO3
RTN2	RTN2
RTN3	RTN3
RTN4IP1	RTN4IP1
RTN4RL1	RTN4RL1
RTN4RL2	RTN4RL2
RTP5	RTP5
S100A10	S100A10
SARS	SARS
SATB2	SATB2
SCAND1	SCAND1
SCARA3	SCARA3
SCARB1	SCARB1

SCD5	SCD5
SCG2	SCG2
SCN1A	SCN1A
SCN4B	Q08E08
SCN8A	SCN8A
SCRG1	SCRG1
SDC3	SDC3
SDCBP	SDCBP
SEC14L2	P58875
SELENOH	SELH
SELENOW	SELENOW
SEMA3D	SEMA3D
SEMA3E	SEMA3E
SEMA4A	Q5EA85
SEMA5A	SEMA5A
SEMA6B	SEMA6B
SEMA6D	SEMA6D
SEMA7A	SEMA7A
SEPT9	SEPT9
SERHL2	SERHL2
SERPINI1	SERPINI1
SERTAD1	SERTAD1
SERTM1	SERTM1
SETD7	SETD7
SFRP1	O19116
SGK3	SGK3
SGSM2	SGSM2
SGTB	SGTB
SH3GL3	SH3GL3
SH3KBP1	SH3KBP1
SH3PXD2A	SH3PXD2A
SH3RF1	A5D7F8
SHC3	SHC3
SHISA4	SHISA4
SHISA7	SHISA7
SIL1	SIL1
SLC10A4	SLC10A4
SLC15A2	SLC15A2
SLC16A2	SLC16A2
SLC17A7	SLC17A7
SLC1A1	Q95135
SLC1A2	SLC1A2
SLC24A2	SLC24A2
SLC25A13	SLC25A13
SLC2A12	Q5J316
SLC2A13	SLC2A13
SLC30A3	SLC30A3
SLC30A4	Q9TTF3
SLC35F1	SLC35F1
SLC38A3	SLC38A3

SLC39A10	SLC39A10
SLC41A2	SLC41A2
SLC44A1	SLC44A1
SLC6A11	SLC6A11
SLC8A1	SLC8A1
SLCO1C1	SLCO1C1
SLIT1	SLIT1
SLIT2	SLIT2
SLITRK1	SLITRK1
SLITRK3	SLITRK3
SLITRK5	SLITRK5
SMAD3	SMAD3
SMAP2	SMAP2
SMIM10L1	SMIM10L1
SMIM13	SMIM13
SMIM4	SMIM4
SMOC2	SMOC2
SMOX	SMOX
SMPD3	SMPD3
SMYD2	SMYD2
SMYD5	SMYD5
SNCB	P33567
SNN	Q17Q87
SNTA1	SNTA1
SNX10	SNX10
SNX7	SNX7
SORBS2	SORBS2
SORBS3	SORBS3
SORCS1	SORCS1
SORCS2	SORCS2
SORT1	SORT1
SOX10	SOX10
SOX5	SOX5
SOX8	F1MBL5
SPARCL1	SPARCL1
SPATS2L	SPATS2L
SPP1	SPP1
SPRED2	SPRED2
SPRED3	SPRED3
SPRY2	SPRY2
SPTSSB	SPTSSB
SSNA1	Q5E9C3
SSSCA1	SSSCA1
SST	P26917
SSX2IP	SSX2IP
ST3GAL4	SIAT4C
ST3GAL6	ST3GAL6
ST6GAL1	ST6GAL1
ST6GAL2	ST6GAL2
ST8SIA4	Q6ZXC9

ST8SIA5	ST8SIA5
STARD3NL	STARD3NL
STAU2	STAU2
STBD1	STBD1
STK32C	STK32C
STK40	STK40
STMN1	STMN1
STUM	ENSBTAG00000024560
STX1A	P32850
STXBP6	Q2YDL1
SULF1	SULF1
SULF2	SULF2
SULT4A1	SULT4A1
SYNDIG1	SYNDIG1
SYNGAP1	SYNGAP1
SYNJ2	SYNJ2
SYNPO	SYNPO
SYT13	SYT13
SYT17	SYT17
TAC1	TAC1
TANC2	TANC2
TANK	TANK
TAPBP	TAPBP
TBC1D30	TBC1D30
TCEAL7	TCEAL7
TDRD3	Q2HJG4
TENM2	TENM2
TENM3	TENM3
TENM4	TENM4
TESC	TESC
TF	Q29443
TFRC	TFRC
THBS1	Q28178
THOC6	THOC6
THRB	P00735
THY1	THY1
TIAM2	TIAM2
TIMM13	TIMM13
TIMM17A	TIMM17A
TLE4	TLE4
TLN2	TLN2
TM4SF18	TM4SF18
TMEFF1	TMEFF1
TMEFF2	TMEFF2
TMEM108	A6QLF8
TMEM126A	TMEM126A
TMEM132B	TMEM132B
TMEM132D	TMEM132D
TMEM144	A6QQU6
TMEM150C	TMEM150C

TMEM151A	TMEM151A
TMEM160	TMEM160
TMEM178B	TMEM178B
TMEM179	TMEM179
TMEM181	TMEM181
TMEM184B	TMEM184B
TMEM196	TMEM196
TMEM200A	TMEM200A
TMEM229A	TMEM229A
TMEM262	TMEM262
TMEM268	TMEM268
TMEM38A	TMEM38A
TMEM65	TMEM65
TMOD1	A0JNC0
TMSB10	TMSB10
TMTC1	TMTC1
TNFAIP6	ENSBTAG00000007239
TNFRSF21	TNFRSF21
TNNT1	TNNT1
TOMM40L	TOMM40L
TP53BP2	TP53BP2
TPBG	TPBG
TPM1	Q5KR49
TPM3	TPM3
TPPP	TPPP
TPPP3	TPPP3
TRAP1	Q2TBI4
TRIB1	TRIB1
TRIB2	TRIB2
TRIM36	TRIM36
TRPM2	TRPM2
TRPV2	TRPV2
TRUB1	TRUB1
TSC22D4	Q0IIB5
TSHZ3	TSHZ3
TSPAN17	TSPAN17
TSPAN2	TSPAN2
TSR1	TSR1
TTC9B	TTC9B
TTL	P38584
TTLL7	TTLL7
TUBB2A	TUBB2A
TUBB2B	TUBB2B
TUBB3	TUBB3
TUBB4B	TUBB4B
TUSC3	Q32L57
TWF2	TWF2
UBE2E1	UBE2E1
UBXN2B	UBXN2B
UFM1	UFM1

UGT8	UGT8
UHMK1	UHMK1
UNC13B	UNC13B
UNC5A	UNC5A
UNC5D	UNC5D
UQCRQ	UQCRQ
USP2	USP2
VCPKMT	VCPKMT
VIP	VIP
VLDLR	VLDLR
VPS37B	ENSBTAG00000006888
VSIR	ENSBTAG00000010888
VSTM2A	VSTM2A
VSTM2B	VSTM2B
VSTM5	VSTM5
VXN	ENSBTAG00000002192
WARS	WARS
WDR17	WDR17
WDR74	WDR74
WFS1	WFS1
WIF1	WIF1
WSB2	WSB2
YJEFN3	YJEFN3
YWHAZ	YWHAZ
ZBTB16	ZBTB16
ZC4H2	ZC4H2
ZCCHC12	ZCCHC12
ZCCHC17	ZCCHC17
ZCCHC18	ZCCHC18
ZDHHC22	ZDHHC22
ZEB2	ZEB2
ZMAT3	ZMAT3
ZMAT4	ZMAT4
ZNF285	ZNF285
ZNF365	ZNF365
ZNF593	ZNF593
ZNF697	ZNF697
ZNF804A	ZNF804A
ZNRF1	ZNRF1

Enriched in the cerebellum of the long-finned pilot whale compared to the visual cortex of the long-finned pilot whale	
Original ID	ID used for PANTHER GO analysis
ABCA1	ABCA1
ABCC1	Q8HXQ5,
ABCC5	Q1LZD6
ABCC8	ABCC8

ABHD18	ABHD18
ABHD4	ABHD4
ABI3BP	ABI3BP
ABLIM1	ABLIM1
ABLIM3	ABLIM3
ABTB1	ABTB1
ACAD11	ACAD11
ACKR1	Q9GLX0
ACSS3	A7MB45,
ACTA2	ACTA2
ACTR10	ACTR10
ADAM15	ADAM15
ADAMTS13	ADAMTS13
ADAMTS17	ADAMTS17
ADCK2	ADCK2
ADCY4	ADCY4
ADGRA3	ADGRA3
ADORA1	ADORA1
ADSSL1	ADSSL1
AFF1	AFF1
AFF3	AFF3
AGO4	AGO4
AKAP8	AKAP8
AKAP8L	AKAP8L
AKAP9	AKAP9
ALDOC	ALDOC
ALMS1	ALMS1
ALS2	ALS2
AMER3	AMER3
AMMECR1L	AMMECR1L
AMY2B	AMY2B
ANGPT1	O18920,
ANK1	ANK1
ANKRD13A	ANKRD13A
ANKRD37	ANKRD37
ANKRD39	ANKRD39
ANKRD6	ANKRD6
ANKS1A	ANKS1A
ANKS6	ANKS6
ANKZF1	ANKZF1
AP1G2	AP1G2
AP1S2	AP1S2
APPL2	APPL2
ARHGAP26	ARHGAP26
ARHGAP29	ARHGAP29
ARHGAP31	ARHGAP31
ARHGAP42	ARHGAP42
ARHGEF33	ARHGEF33
ARHGEF40	ARHGEF40
ARID2	ARID2

ARMC8	ARMC8
ARRDC3	ARRDC3
ARVCF	ARVCF
ASGR1	ASGR1
ASPHD1	A1L515,
ATF7	ATF7
ATP11A	ATP11A
ATP11C	ATP11C
ATP2A3	ATP2A3
ATXN7L2	ATXN7L2
B4GALT4	B4GALT4
BARHL1	BARHL1
BARHL2	BARHL2
BAZ2B	BAZ2B
BCAT2	BCAT2
BCL6	BCL6
BFAR	BFAR
BGLAP	P02820,
BHLHE22	BHLHE22
BHLHE41	BHLHE41
BICD1	BICD1
BICRAL	ENSBTAG00000014814
BMI1	BMI1
BMP1	BMP1
BMP5	BMP5
BOLA-DRA	BOLA-DRA
BPTF	BPTF
BRWD3	BRWD3
BTBD3	BTBD3
BTG1	BTG1
BTG2	BTG2
BUB1B	BUB1B
BUD13	BUD13
C11H2orf68	ENSBTAG00000018291
C19H17orf58	C17orf58
C1H3orf58	ENSBTAG00000007933
C1R	C1R
C25H7orf26	C25H7orf26
C29H11orf80	C11orf80
C5H12orf75	ENSBTAG00000045742
C7H19orf71	C19orf71
CA10	CA10
CA8	CA8
CABIN1	CABIN1
CABP7	CABP7
CACNA1A	CACNA1A
CACNA1I	CACNA1I
CACNA2D2	CACNA2D2
CADM1	CADM1
CADM3	CADM3

CADPS2	CADPS2
CALB1	CALB1
CALB2	Q3ZBY3
CALD1	Q27976,
CALN1	CALN1
CAMK2D	CAMK2D
CAPN7	CAPN7
CARMIL3	CARMIL3
CATIP	CATIP
CAVIN1	ENSBTAG00000039684
CBLN1	CBLN1
CBLN3	Q17QF9,
CCDC112	CCDC112
CCDC142	CCDC142
CCDC159	CCDC159
CCDC28B	CCDC28B
CCDC3	CCDC3
CCDC62	CCDC62
CCDC82	CCDC82
CCM2	CCM2
CCNA2	P30274
CCNG2	CCNG2
CCNI	CCNI
CCNL1	CCNL1
CCNL2	CCNL2
CDAN1	CDAN1
CDC25A	CDC25A
CDC42BPG	CDC42BPG
CDH15	CDH15
CDK3	CDK3
CDKN1B	CDKN1B
CDON	CDON
CDR2L	CDR2L
CEBPD	CEBPD
CECR2	CECR2
CELSR3	CELSR3
CEMIP	CEMIP
CENPC	CENPC
CEP131	CEP131
CEP250	CEP250
CEP68	CEP68
CEP70	CEP70
CEP76	CEP76
CEP95	CEP95
CER1	CER1
CERS6	CERS6
CHCHD8	CHCHD8
CHD1	CHD1
CHD7	CHD7
CHD9	CHD9

CHL1	CHL1
CHN2	CHN2
CIPC	ENSBTAG00000009923
CLIP1	CLIP1
CLK1	CLK1
CLK2	CLK2
CLN5	CLN5
CLVS1	RLBP1L1
CMTM8	CMTM8
CNNM4	CNNM4
CNOT2	CNOT2
CNOT6	CNOT6
CNOT6L	CNOT6L
CNPY1	CNPY1
CNR1	CNR1
CNTN6	CNTN6
COG1	COG1
COL13A1	COL13A1
COL1A2	COL1A2
COL5A2	COL5A2
COL7A1	COL7A1
CORO2A	CORO2A
CORO6	CORO6
CP	CP
CPM	CPM
CPT1B	CPT1B
CRABP2	Q5PXY7
CREBBP	CREBBP
CREBZF	CREBZF
CRHR1	CRHR1
CRTC2	CRTC2
CRY1	CRY1
CSPP1	CSPP1
CST6	CST6
CTBP2	CTBP2
CTC1	CTC1
CTSK	Q5E968
CXXC5	CXXC5
CYB5D2	CYB5D2
CYBRD1	CYBRD1
CYGB	CYGB
CYP26B1	CYP26B1
DAB2	DAB2
DAB2IP	DAB2IP
DACT1	DACT1
DAP	DAP
DBP	Q3MHN5,
DBR1	DBR1
DDAH2	DDAH2
DDIT4	DDIT4

DDX17	DDX17
DDX39B	DDX39B
DENND4C	DENND4C
DESI2	DESI2
DGCR8	DGCR8
DGKD	DGKD
DHRS13	DHRS13
DIP2B	DIP2B
DISP2	DISP2
DLC1	A7E300,
DLEC1	DLEC1
DLG5	DLG5
DNAH2	DNAH2
DNAJC24	Q0VBY7,
DNASE1L2	DNASE1L2
DNMT1	DNMT1
DNMT3A	DNMT3A
DOC2B	DOC2B
DOCK6	DOCK6
DOLPP1	DOLPP1
DRAP1	DRAP1
DSEL	DSEL
DSP	DSP
DTNB	DTNB
DUS3L	DUS3L
DUSP15	DUSP15
DUSP26	DUSP26
DUSP5	DUSP5
DVL2	DVL2
DVL3	DVL3
DZIP1L	DZIP1L
E4F1	E4F1
EBF1	EBF1
EBF4	EBF4
ECE2	ECE2
ECM2	Q3MHH9,
ECT2	ECT2
EDNRB	EDNRB
EDRF1	EDRF1
EEF1A1	P68103,
EEF1G	Q3SZV3,
EEF2K	EEF2K
EFCAB7	EFCAB7
EFNA1	EFNA1
EFNB3	EFNB3
EGFL8	EGFL8
EIF3L	EIF3L
ELL3	ELL3
ELP4	Q2TBH6,
EML5	EML5

EN2	EN2
EOMES	EOMES
EP300	EP300
EP400	EP400
EPB41	EPB41
EPB41L4A	EPB41L4A
EPB41L4B	EPB41L4B
EPC1	EPC1
EPHX2	EPHX2
EPS8	EPS8
ERBB4	ERBB4
ERC1	ERC1
ERCC6	ERCC6
ESRRG	ESRRG
ESYT1	ENSBTAG00000009543
ETNPPL	ETNPPL
ETV1	ETV1
EVA1C	EVA1C
EVPL	EVPL
EYA1	EYA1
FAM110B	Q2KJ38,
FAM117B	ALS2CR13
FAM126B	FAM126B
FAM131B	FAM131B
FAM131C	FAM131C
FAM13A	FAM13A
FAM160B2	FAM160B2
FAM193A	FAM193A
FAM196B	FAM196B
FAM210B	ENSBTAG00000013007
FAM214A	FAM214A
FAM46A	FAM46A
FAM57A	ENSBTAG00000046273
FANCG	ENSBTAG00000015005
FANCI	FANCI
FARP1	FARP1
FAT1	FAT1
FAT2	FAT2
FBXL6	FBXL6
FBXO10	FBXO10
FBXW4	FBXW4
FGFR1	FGFR1
FHDC1	FHDC1
FITM2	FITM2
FLAD1	FLAD1
FLCN	FLCN
FLT3LG	FLT3LG
FLVCR1	FLVCR1
FNBP1	FNBP1
FNBP1L	FNBP1L

FNBP4	FNBP4
FNTB	FNTB
FOXJ2	FOXJ2
FOXN3	FOXN3
FOXO3	FOXO3
FOXS1	FOXS1
FPGS	FPGS
FRAS1	FRAS1
FRG1	FRG1
FRMD3	FRMD3
FRMD6	FRMD6
FSTL4	FSTL4
FSTL5	FSTL5
FUBP1	FUBP1
FUT10	Q6A198
FXYD6	Q3MHZ5
FZD7	FZD7
FZR1	FZR1
GABPA	GABPA
GABPB2	Q1RMI3,
GABRA6	GABRA6
GABRD	GABRD
GABRE	GABRE
GADD45A	GADD45A
GALNT15	GALNT15
GALNT16	ENSBTAG00000009998
GALNT7	GALNT7
GART	GART
GCK	GCK
GDAP1L1	GDAP1L1
GDF10	GDF10
GDPD3	GDPD3
GFRA1	GFRA1
GGA2	GGA2
GGT1	GGT1
GGT5	GGT5
GIGYF1	GIGYF1
GKAP1	GKAP1
GLB1L	GLB1L
GLCCI1	GLCCI1
GLCE	GLCE
GLDC	GLDC
GLG1	GLG1
GMEB1	Q2HJ87
GNB3	GNB3
GNG13	GNG13
GNG4	GNG4
GPATCH8	GPATCH8
GPD1	GPD1
GPLD1	P80109,

GPNMB	GPNMB
GPR137C	GPR137C
GPR37L1	GPR37L1
GPRC5C	Q2YDG0,
GPRIN3	GPRIN3
GPSM1	GPSM1
GPX3	P37141
GRIA4	GRIA4
GRID2	ENSBTAG00000013728
GRIK2	GRIK2
GRIN2C	GRIN2C
GRK3	P26818
GRK5	GRK5
GRM1	GRM1
GRM4	GRM4
GTF3C2	GTF3C2
GTPBP2	GTPBP2
GULO	GULO
H1F0	H1F0
H2AFJ	H2AFJ
HAUS4	HAUS4
HCK	HCK
HDAC6	HDAC6
HEATR5A	HEATR5A
HECTD2	HECTD2
HEMGN	Q32L62,
HEXDC	A6QNR0
HID1	HID1
HINFP	Q2TBP2,
HIPK1	HIPK1
HMGN3	HMGN3
HOMER3	HOMER3
HPCAL1	HPCAL1
HPN	HPN
HPS1	HPS1
HS6ST2	HS6ST2
HTR2C	5HT2C
HTRA4	HTRA4
ICK	ICK
ID2	ID2
IFFO2	IFFO2
IFITM10	IFITM10
IFT81	IFT81
IGFBP5	IGFBP5
IL16	Q0V8R5
INSM1	A6H7J1,
INTS2	INTS2
IQGAP2	IQGAP2
IRF2BP2	IRF2BP2
ITFG2	Q27969

ITGA10	ITGA10
ITGA2B	ITGA2B
ITGB4	ITGB4
ITPR1	Q9TU34,
JADE3	JADE3
JAML	ENSBTAG00000023283
JARID2	JARID2
JMJD1C	JMJD1C
JMJD7	JMJD7
KANSL1L	KANSL1L
KARS	KARS
KAT6A	KAT6A
KCNA3	KCNA3
KCNC1	KCNC1
KCND2	KCND2
KCND3	KCND3
KCNH2	KCNH2
KCNIP4	KCNIP4
KCNT1	KCNT1
KCTD11	Q58DF7
KCTD2	KCTD2
KDM3B	KDM3B
KDM4A	KDM4A
KDM6A	KDM6A
KHK	KHK
KHNYN	ENSBTAG00000010666
KIF13A	KIF13A
KIT	KIT
KLC4	Q2HJJ0,
KLHDC1	KLHDC1
KMT2A	KMT2A
KMT2B	KMT2B
KMT2C	KMT2C
KMT2E	KMT2E
KNTC1	KNTC1
KREMEN1	KREMEN1
KRT7	KRT7
KRTCAP3	Q3SZ72,
L1CAM	L1CAM
LATS1	LATS1
LATS2	LATS2
LCAT	LCAT
LDLRAP1	LDLRAP1
LEAP2	LEAP2
LENG8	LENG8
LGR4	A0A0A0MP87,
LHFPL2	LHFPL2
LHX1	LHX1
LIFR	LIFR
LIG1	LIG1

LIMA1	LIMA1
LIMD1	LIMD1
LIMS2	LIMS2
LIN7A	LIN7A
LIN7C	LIN7C
LNX1	LNX1
LOC100139419	P68103
LOC100196901	LOC100196901
LOC100848138	ENSBTAG00000015453
LOC101901896	LOC101901896
LOC101902346	H3F3A
LOC101902800	RPL13A
LOC101903637	Q8MJG1
LOC101903649	TIGD1
LOC101906460	LOC101906460
LOC101906923	RPL35
LOC101907648	ZNF605
LOC104968656	ENSBTAG00000036101
LOC104970537	LOC104970537
LOC104975663	LOC104975663
LOC107131598	RPL30
LOC112441540	ANKS1B
LOC112441544	CACNA1I
LOC514651	RPL21
LOC515736	LOC515736
LOC519274	RPS23
LOC521224	LOC521224
LOC522610	LOC522610
LOC527796	SgK494
LOC531747	ENSBTAG00000021359
LOC534742	ENSBTAG00000003752
LOC539383	LOC539383
LOC614067	LOC614067
LOC619156	RPL17
LOC781692	FAM133B
LOC782021	RPL21
LOC782402	RPL17
LOC782639	RPL21
LOC782776	LOC782776
LOC782924	LOC782924
LOC782954	LOC782954
LOC783497	PPP1R14C
LOC784446	RPL5
LOC784738	ENSBTAG00000046100
LOC784970	C11orf48
LOC785968	LOC785968
LOC786055	LOC786055
LOC787196	OR7D4
LOC788609	LOC788609
LOC789587	RPL17

LOC789867	LOC789867
LPXN	LPXN
LRCH4	LRCH4
LRP3	LRP3
LRRC3B	LRRC3B
LRRC45	LRRC45
LRRN4CL	LRRN4CL
LTBP2	Q28019,
LTBP3	LTBP3
LUC7L3	LUC7L3
LURAP1	LURAP1
LURAP1L	ENSBTAG00000010431
LYST	Q9TTK4
MAB21L1	MAB21L1
MACROD1	MACROD1
MAML1	MAML1
MAML3	MAML3
MAN1C1	MAN1C1
MAN2C1	MAN2C1
MANSC4	MANSC4
MAOB	P56560
MAP3K3	MAP3K3
MAP6D1	MAP6D1
MAPKBP1	MAPKBP1
MAST2	MAST2
MAX	MAX
MB21D2	MB21D2
MBD6	MBD6
MBTD1	MBTD1
MCM3	A4FUD9,
MCUB	ENSBTAG00000012995
MDC1	MDC1
MDK	ENSBTAG00000007740
MDM1	MDM1
MED12	MED12
MED24	MED24
MEGF11	MEGF11
MEIOB	MEIOB
MEIS1	MEIS1
MEIS3	MEIS3
METTL17	Q2TBP8
MGA	MGA
MIA	MIA
MINDY1	MINDY1
MINDY2	MINDY2
MMP14	Q9GLE4
MMP24	MMP24
MOB1A	ENSBTAG00000006259
MOXD1	MOXD1
MPZL3	F1MI37,

MRLN	ENSG00000227877
MRPL58	MRPL58
MRPS27	Q32PI8,
MSH5	MSH5
MSH6	MSH6
MSI2	MSI2
MSS51	MSS51
MSX2	MSX2
MTCH2	Q9N285,
MTCL1	MTCL1
MTERF4	MTERF4
MTSS1	MTSS1
MTUS1	MTUS1
MUS81	MUS81
MXD4	MXD4
MXI1	MXI1
MYH9	MYH9
MYL7	MYL7
MYOM1	P80473,
MYT1	MYT1
NACA	NACA
NASP	NASP
NAV2	NAV2
NCAPD2	NCAPD2
NCAPG	NCAPG
NCKAP1L	NCKAP1L
NDRG3	NDRG3
NDST2	O97583,
NDUFA4L2	NDUFA4L2
NEK2	NEK2
NELFA	NELFA
NEUROD1	NEUROD1
NEUROD2	NEUROD2
NFE2L3	NFE2L3
NFIA	NFIA
NFIB	NFIB
NFKBIZ	NFKBIZ
NFXL1	NFXL1
NGFR	NGFR
NHEJ1	NHEJ1
NHLH2	NHLH2
NHSL2	NHSL2
NKAP	NKAP
NKTR	NKTR
NONO	NONO
NOP2	NOP2
NOP53	ENSBTAG00000021192
NPFF	Q9TUX7,
NPR1	NPR1
NPR2	NPR2

NPY2R	P79113,
NR1D1	NR1D1
NR1D2	NR1D2
NR2C1	A0JNE3,
NR4A2	NR4A2
NRBP1	NRBP1
NRBP2	NRBP2
NREP	ENSBTAG00000011338
NRG2	NRG2
NRK	ENSBTAG00000004836
NRP2	NRP2
NTS	NTS
NUMA1	NUMA1
NUP210	NUP210
NUP85	NUP85
NXF1	NXF1
NXPH3	NXPH3
NXT1	Q2KIW0,
NYNRIN	NYNRIN
ODF2	Q2T9U2,
OGFRL1	OGFRL1
OGN	OGN
OLFML1	OLFML1
OSBPL7	OSBPL7
OSGEP	OSGEP
OTOGL	OTOGL
OTX2	OTX2
OVGP1	Q28042,
P2RX4	P2RX4
PAFAH1B3	PAFAH1B3
PAGR1	PAGR1
PAK5	PAK5
PAN2	PAN2
PATJ	PATJ
PATZ1	PATZ1
PAX3	PAX3
PAX6	PAX6
PAXBP1	PAXBP1
PAXIP1	PAXIP1
PBX3	PBX3
PCBP2	PCBP2
PCBP3	PCBP3
PCF11	PCF11
PCGF1	Q2YDF9,
PCGF2	PCGF2
PCIF1	PCIF1
PCMTD2	PCMTD2
PCOLCE	PCOLCE
PCOLCE2	PCOLCE2
PCP2	PCP2

PDE1C	PDE1C
PDE9A	PDE9A
PDGFC	PDGFC
PDK2	PDK2
PELI2	PELI2
PER3	PER3
PGAP1	PGAP1
PHF21A	PHF21A
PHF8	PHF8
PHIP	PHIP
PHKA2	PHKA2
PHKG1	PHKG1
PHLDB3	PHLDB3
PIGO	PIGO
PIK3IP1	PIK3IP1
PIK3R3	O46404
PIM2	PIM2
PKIB	PKIB
PKN2	PKN2
PKNOX1	PKNOX1
PLA2G4B	PLA2G4B
PLA2R1	PLA2R1
PLCB4	Q07722,
PLCD1	PLCD1
PLD5	PLD5
PLEKHD1	PLEKHD1
PLTP	PLTP
PLXDC1	PLXDC1
PLXNB2	PLXNB2
PLXNC1	PLXNC1
PMF1	PMF1
PMS2	PMS2
PNISR	PNISR
PNN	P79122,
PNPLA2	Q2KI18
PNRC1	PNRC1
POGZ	POGZ
POLA2	POLA2
POLB	POLB
POLE3	POLE3
POR	Q3SYT8
PPARGC1B	PPARGC1B
PPFIA1	PPFIA1
PPFIA4	PPFIA4
PPIP5K1	PPIP5K1
PPL	M5FKH8,
PPM1D	PPM1D
PPOX	P56717,
PPP1R14C	PPP1R14C
PPP1R17	PPP1R17

PPP1R3E	PPP1R3E
PPP4R3A	PPP4R3A
PPT2	PPT2
PQLC2	PQLC2
PROSER2	ENSBTAG00000039571
PROX1	PROX1
PRPF3	Q2KIA6
PRPF38B	PRPF38B
PRPF39	PRPF39
PRPF6	PRPF6
PRR14	PRR14
PRSS55	PRSS55
PRUNE2	PRUNE2
PSD2	PSD2
PTCH1	PTCH1
PTCH2	PTCH2
PTPN2	PTPN2
PUS10	PUS10
PVALB	PVALB
PWWP2A	PWWP2A
PXN	PXN
QSER1	QSER1
RAB27A	RAB27A
RAB34	RAB34
RAB3B	RAB3B
RAB3IP	RAB3IP
RAD52	RAD52
RASAL1	RASAL1
RASGEF1C	RASGEF1C
RASSF9	RASSF9
RBM33	RBM33
RC3H1	RC3H1
RCE1	RCE1
RCN1	RCN1
RCOR1	RCOR1
RCOR3	RCOR3
RELL1	RELL1
RELN	RELN
RETSAT	RETSAT
REV1	REV1
REXO5	REXO5
RFC3	RFC3
RFLNB	RFLNB
RFX7	RFX7
RGMB	RGMB
RGS10	RGS10
RGS8	RGS8
RHCG	RHCG
RHO	RHO
RHOF	RHOF

RHPN2	A4FUC9,
RIC3	RIC3
RIC8A	RIC8A
RICTOR	RICTOR
RIPK1	RIPK1
RIPK3	RIPK3
RIPPLY2	RIPPLY2
RITA1	RITA1
RMND5A	RMND5A
RNF103	RNF103
RNF122	RNF122
RNF152	RNF152
RNF43	RNF43
RNFT1	RNFT1
RORA	RORA
RPL13A	RPL13A
RPL14	Q3T0U2
RPL30	RPL30
RPRD1B	RPRD1B
RPS6KA1	RPS6KA1
RPS6KA5	RPS6KA5
RPS6KL1	RPS6KL1
RPS8	Q5E958
RRAGD	RRAGD
RSBN1L	RSBN1L
RSPH10B	Q1JPG1,
RSRP1	ENSBTAG00000015222
RTL5	ENSBTAG00000047545
RUNX1T1	RUNX1T1
RYR1	RYR1
S100B	S100B
SALL2	SALL2
SAMD14	SAMD14
SAP25	SAP25
SBK1	SBK1
SCML2	SCML2
SCNN1B	SCNN1B
SCRN2	SCRN2
SEC31B	SEC31B
SEL1L3	SEL1L3
SELENOM	SELENOM
SELENON	SELENON
SEMA3F	SEMA3F
SEMA4C	SEMA4C
SEMA4G	SEMA4G
SEMA6C	SEMA6C
SEPT3	SEPT3
SEPT4	SEPT4
SERGEF	SERGEF
SERPINF1	SERPINF1

SERPING1	SERPING1
SESN1	SESN1
SESN2	SESN2
SF1	SF1
SFI1	SFI1
SFRS18	PNISR
SHD	SHD
SHF	SHF
SHISA6	SHISA6
SHPRH	SHPRH
SIDT1	SIDT1
SIDT2	SIDT2
SIN3A	SIN3A
SIPA1L3	SIPA1L3
SIRT1	SIRT1
SIRT7	SIRT7
SKI	SKI
SLA	SLA
SLC12A6	SLC12A6
SLC13A3	SLC13A3
SLC16A9	SLC16A9
SLC17A6	SLC17A6
SLC1A6	SLC1A6
SLC22A6	Q864Z3
SLC25A1	P79110
SLC25A10	ENSBTAG00000000417
SLC27A3	SLC27A3
SLC35G2	ENSBTAG00000003833
SLC38A4	SLC38A4
SLC39A2	SLC39A2
SLC44A5	SLC44A5
SLC7A3	SLC7A3
SLC7A8	SLC7A8
SLF1	A6QR20,
SMAD1	SMAD1
SMARCC2	SMARCC2
SMARCD1	Q2TBN1,
SMARCD2	SMARCD2
SMC3	SMC3
SMC5	SMC5
SMG1	SMG1
SMOC1	SMOC1
SMPX	SMPX
SNRNP70	SNRNP70
SOGA1	SOGA1
SOX12	SOX12
SOX9	SOX9
SP4	SP4
SPAG1	SPAG1
SPATA20	SPATA20

SPEN	SPEN
SPHKAP	SPHKAP
SPICE1	Q2T9X8,
SPINT2	SPINT2
SPOCK2	SPOCK2
SPON1	SPON1
SPRY4	SPRY4
SPSB3	Q3MHZ2
SPTB	SPTB
SRGAP2	SRGAP2
SRRM1	SRRM1
SRRM3	SRRM3
SRRM4	SRRM4
SRRT	A4IFB1,
SSTR2	P34993,
SSTR3	SSTR3
ST18	ST18
ST6GALNAC4	ENSBTAG00000046548
ST7	ST7
STAB1	STAB1
STAG1	STAG1
STAG2	STAG2
STAT5A	Q95115
STK17B	STK17B
STRC	STRC
STRIP2	STRIP2
SULT1A1	SULT1A1
SUPT20H	SUPT20H
SVEP1	SVEP1
SYBU	SYBU
SYNE1	SYNE1
SYNE4	SYNE4
SYT4	SYT4
SYT9	SYT9
TADA1	TADA1
TAF1	TAF1
TAF4	ENSBTAG00000047991
TANC1	TANC1
TARBP1	TARBP1
TARBP2	TARBP2
TBC1D8	TBC1D8
TBKBP1	TBKBP1
TEN1	TEN1
TENM1	TENM1
TFAP2B	TFAP2B
TIA1	TIA1
TIAM1	TIAM1
TIMP1	TIMP1
TIMP4	O97563,
TINF2	TINF2

TIPARP	TIPARP
TLE2	TLE2
TLE3	TLE3
TLL1	TLL1
TMEM100	TMEM100
TMEM131L	ENSBTAG00000016625
TMEM132A	TMEM132A
TMEM141	TMEM141
TMEM219	TMEM219
TMEM243	TMEM243
TMEM265	TMEM265
TMEM266	TMEM266
TMEM39A	TMEM39A
TMEM41A	TMEM41A
TMEM63C	TMEM63C
TMEM71	TMEM71
TMEM79	TMEM79
TMPO	TMPO
TNFSF12	TNFSF12
TNPO3	TNPO3
TNRC18	TNRC18
TNRC6C	TNRC6C
TP53I11	TP53I11
TP53INP1	TP53INP1
TPC3	TPC3
TPRN	TPRN
TRAFD1	Q58D05,
TRH_2	TRH
TRIM3	TRIM3
TRIM62	TRIM62
TRMT112	TRMT112
TRMT9B	NSBTAG00000008950
TSPAN4	TSPAN4
TSPAN9	TSPAN9
TSPYL2	TSPYL2
TTC31	TTC31
TTC4	Q58DN8,
TUFT1	TUFT1
UBASH3B	UBASH3B
UBOX5	UBOX5
UCKL1	UCKL1
UHRF2	UHRF2
UIMC1	UIMC1
UNC13C	UNC13C
UNC5C	UNC5C
UNG	UNG
UNK	UNK
USP1	Q29RP1,
USP28	USP28
USP3	USP3

USP42	USP42
VAT1L	VAT1L
VAV3	VAV3
VTN	VTN
VWA5B2	VWA5B2
VWCE	VWCE
WDR60	WDR60
WNT9A	WNT9A
WSCD1	WSCD1
YES1	YES1
YIPF7	YIPF7
YPEL4	YPEL4
ZBED5	ZBED5
ZBTB10	ZBTB10
ZBTB12	ZBTB12
ZBTB18	A0A140T829,
ZBTB7B	ZBTB7B
ZC3H4	ZC3H4
ZCCHC11	ZCCHC11
ZCCHC3	ZCCHC3
ZCCHC8	ZCCHC8
ZDHHC18	ZDHHC18
ZDHHC2	ZDHHC2
ZEB1	ZEB1
ZFP30	ENSBTAG00000019022
ZFPM2	ZFPM2
ZFYVE26	ZFYVE26
ZIC1	ZIC1
ZIC2	ZIC2
ZIC4	ZIC4
ZIC5	ZIC5
ZNF143	ZNF143
ZNF175	ZNF175
ZNF182	ZNF182
ZNF185	ZNF185
ZNF219	ZNF219
ZNF22	ZNF22
ZNF266	ZNF266
ZNF268	F1MHJ3,
ZNF286A	ZNF286A
ZNF292	ZNF292
ZNF3	ZNF3
ZNF385B	ENSBTAG00000003120
ZNF385D	ZNF385D
ZNF395	ZNF395
ZNF423	ZNF423
ZNF462	ZNF462
ZNF484	ZNF484
ZNF502	ZNF502
ZNF521	ZNF521

ZNF536	ZNF536
ZNF568	ZNF568
ZNF576	ZNF576
ZNF608	ZNF608
ZNF609	ZNF609
ZNF653	ZNF653
ZNF692	ZNF692
ZNF704	ZNF704
ZNF821	ZNF821
ZNF827	ZNF827
ZNF829	ZNF829
ZNF839	ZNF839
ZRANB1	ZRANB1
ZSCAN31	ENSBTAG00000037988
ZYX	ZYX

Enriched in the visual cortex of the long-finned pilot whale and the killer whale compared to the visual cortex of cattle	
Original ID	ID used for PANTHER GO analysis
A0A140T854	A0A140T854
A0JNC2	A0JNC2
A6H7B1	A6H7B1
A7YWH4	A7YWH4
ACE2	ACE2
ACOT2	ACOT2
ADIPOR1	ADIPOR1
AFG3L2	AFG3L2
AGBL3	AGBL3
AIDA	AIDA
ALKBH8	ALKBH8
ANGPTL7	ANGPTL7
ANKAR	ANKAR
ANTXR1	ANTXR1
AOX2	AOX2
AP2M1	AP2M1
ARHGAP11A	ARHGAP11A
ARHGAP36	ARHGAP36
ARHGEF7	ARHGEF7
ARL14EP	ARL14EP
ARMC12	ARMC12
ARPC1A	ARPC1A
ARPP19	ARPP19
ARPP19	ARPP19
ASCL3	ASCL3
ASGR1	ASGR1

ATP13A5	ATP13A5
ATP1A4	ATP1A4
ATP1B3	ATP1B3
ATP5F1	ATP5F1
ATP6V1E2	ATP6V1E2
ATP8B4	ATP8B4
AURKC	AURKC
B3GNT2	B3GNT2
BCL6B	BCL6B
BEX3	BEX3
BHMT	BHMT
BUB1B	BUB1B
C11orf65	C11orf65
C19H17orf78	ENSBTAG00000025242
C19orf53	C19orf53
C1orf21	C1orf21
C1QC	C1QC
C1QL4	C1QL4
C2H2orf80	C2H2orf80
CALCR	CALCR
CALM1	CALM1
CALM1	CALM1
CAPN11	CAPN11
CBX1	CBX1
CCDC115	CCDC115
CCDC151	CCDC151
CCDC159	CCDC159
CCDC68	CCDC68
CCNG1	CCNG1
CCNG1	CCNG1
CCT8	CCT8
CD24	CD24
CD53	CD53
CDC25A	CDC25A
CDKL3	CDKL3
CDRT1	CDRT1
CEP78	CEP78
CFHR2	CFHR2
CLEC4E	CLEC4E
CNDP1	CNDP1
Col6a4	Col6a4
COL9A1	COL9A1
COL9A3	COL9A3
COX14	COX14
COX4	COX4
COX6A1	COX6A1
COX7A1	COX7A1
CPS1	CPS1
CRYGB	CRYGB
CS	CS

CSNK1A1	CSNK1A1
CTBP2	CTBP2
CYTL1	CYTL1
DCDC2	DCDC2
DDX43	DDX43
DEUP1	DEUP1
DHRS7	DHRS7
DLEU7	DLEU7
DLL3	DLL3
DNAH2	DNAH2
DNAJA1	DNAJA1
DNAJA2	DNAJA2
DNAJC8	DNAJC8
DNASE1L2	DNASE1L2
ECM1	ECM1
EFCAB14	EFCAB14
EID1	EID1
EIF3F	EIF3F
EIF4A2	EIF4A2
EIF5B	EIF5B
ELOC	ELOC
ENSBTAG00000003258	ENSBTAG00000003258
ENSBTAG00000004624	ENSBTAG00000004624
ENSBTAG00000004920	ENSBTAG00000004920
ENSBTAG00000005735	ENSBTAG00000005735
ENSBTAG00000007601	ENSBTAG00000007601
ENSBTAG00000010797	ENSBTAG00000010797
ENSBTAG00000014793	ENSBTAG00000014793
ENSBTAG00000015077	ENSBTAG00000015077
ENSBTAG00000015647	ENSBTAG00000015647
ENSBTAG00000016483	ENSBTAG00000016483
ENSBTAG00000018080	ENSBTAG00000018080
ENSBTAG00000018800	ENSBTAG00000018800
ENSBTAG00000018800	ENSBTAG00000018800
ENSBTAG00000018800	ENSBTAG00000018800
ENSBTAG00000019221	ENSBTAG00000019221
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ENSBTAG00000020790	ENSBTAG00000020790
ENSBTAG00000020908	ENSBTAG00000020908
ENSBTAG00000021620	ENSBTAG00000021620
ENSBTAG00000021823	ENSBTAG00000021823
ENSBTAG00000021979	ENSBTAG00000021979
ENSBTAG00000021979	ENSBTAG00000021979
ENSBTAG00000030517	ENSBTAG00000030517
ENSBTAG00000031558	ENSBTAG00000031558
ENSBTAG00000031598	ENSBTAG00000031598
ENSBTAG00000031795	ENSBTAG00000031795
ENSBTAG00000032136	ENSBTAG00000032136
ENSBTAG00000032281	ENSBTAG00000032281
ENSBTAG00000035654	ENSBTAG00000035654

ENSBTAG00000037925	ENSBTAG00000037925
ENSBTAG00000038146	ENSBTAG00000038146
ENSBTAG00000040368	ENSBTAG00000040368
ENSBTAG00000047136	ENSBTAG00000047136
F1MYD0	F1MYD0
FAF1	FAF1
FAM136A	FAM136A
FAM175	FAM175
FAM204A	FAM204A
FANCI	FANCI
FAXDC2	FAXDC2
FBXO24	FBXO24
FBXO39	FBXO39
FBXW7	FBXW7
FKBP1A	FKBP1A
FKBP8	FKBP8
FRRS1	FRRS1
FTL	FTL
FUNDC1	FUNDC1
G5E528	G5E528
GCV3	GCV3
GDI2	GDI2
GGCT	GGCT
GHITM	GHITM
GHRH	GHRH
GLO1	GLO1
GLUL	GLUL
GOLPH3	GOLPH3
GOLPH3	GOLPH3
GPBP1L1	GPBP1L1
GPR139	GPR139
GPX2	GPX2
GRXCR1	GRXCR1
GRXCR2	GRXCR2
GSTP1	GSTP1
GTF2F2	GTF2F2
H3F3A	H3F3A
HBB	HBB
HKDC1	HKDC1
HMGB1	HMGB1
HMGB1	HMGB1
HMGB1P1	HMGB1
HMGN1	HMGN1
HNF1B	HNF1B
HNRNPA1	HNRNPA1
HNRNPA1	HNRNPA1
HNRNPA1L2	HNRNPA1L2
HNRNPA2B1	HNRNPA2B1
HSD11B1	HSD11B1
HSP90AA1	HSP90AA1

HSPA8	HSPA8
HSPA8	HSPA8
HTATSF1	HTATSF1
HTATSF1	HTATSF1
IFITM3	IFITM3
IFT27	IFT27
IGFBPL1	IGFBPL1
IGSF22	IGSF22
IL1A	IL1A
INPP5F	INPP5F
INSC	INSC
IRF2BP1	IRF2BP1
ITCH	ITCH
ITGAM	ITGAM
ITGB1BP1	ITGB1BP1
ITM2A	ITM2A
ITM2C	ITM2C
IZUMO1	IZUMO1
KCNU1	KCNU1
KLHDC9	KLHDC9
KLHL4	KLHL4
KPNA2	KPNA2
LCT	LCT
LIPM	LIPM
LOC100139276	DNAJA1
LOC100140533	PHOCN
LOC100141025	DUT
LOC100141266	LOC100141266
LOC100295495	LOC100295495
LOC100296162	DNAJA1
LOC100296277	LOC100296277
LOC100297725	LOC100297725
LOC100298410	NDUFB8
LOC100300115	LOC100300115
LOC100337355	ENSBTAG00000034676
LOC100337384	Q3SZD7
LOC100847304	CYCS
LOC101901896	LOC101901896
LOC101901940	LOC101901940
LOC101902290	HIGD1A
LOC101902451	TCEAL3
LOC101902681	LOC101902681
LOC101902786	HNRNPDL
LOC101902800	RPL13A
LOC101903064	LOC101903064
LOC101903125	HIGD1A
LOC101903806	ARF4
LOC101903811	SEPHS2
LOC101904405	LOC101904405
LOC101905203	HNRNPA1

LOC101905566	GCSH
LOC101905651	LOC101905651
LOC101905919	LOC101905919
LOC101905979	LOC101905979
LOC101906065	Fam103a1
LOC101906273	ELOB
LOC101906280	MEA1
LOC101906916	ATP5MC2
LOC101906966	HNRNPDL
LOC101907658	LOC101907658
LOC101909144	LOC101909144
LOC104969340	TPM3
LOC104969619	LOC104969619
LOC104970072	Q3T054
LOC104970908	RPL23A
LOC104970966	PPIA
LOC104971032	RPL15
LOC104972373	CBX3
LOC104973164	LOC104973164
LOC104974514	CISD1
LOC104975864	LOC104975864
LOC107132058	LOC107132058
LOC107132076	NDUFAF4
LOC107132247	LOC107132247
LOC107132260	DYNLL2
LOC107132303	ZNHIT3
LOC107132338	NDUFA1
LOC107132475	LOC107132475
LOC107132694	LOC107132694
LOC107133151	C14orf119
LOC112441584	LOC112441584
LOC112442982	ERH
LOC112443122	LOC112443122
LOC112443155	LOC112443155
LOC112443463	P48305
LOC112445084	LOC112445084
LOC112445101	LOC112445101
LOC112445967	LOC112445967
LOC112445971	UPF0729
LOC112446328	LOC112446328
LOC112447050	LOC112447050
LOC112447567	LOC112447567
LOC112448017	LOC112448017
LOC112448081	LOC112448081
LOC112448808	LOC112448808
LOC112448889	LOC112448889
LOC506839	HNRNPA3
LOC508628	LOC508628
LOC509580	Q2TBN4
LOC510369	LOC510369

LOC510795	Q3T171
LOC512165	LOC512165
LOC512594	LOC512594
LOC512859	KYAT3
LOC512978	HNRNPA1L2
LOC513322	P23196
LOC513659	LOC513659
LOC513842	LOC513842
LOC518557	LOC518557
LOC522610	LOC522610
LOC530211	SPATS2
LOC539009	LOC539009
LOC539383	LOC539383
LOC540098	STIP1
LOC548613	LOC548613
LOC613460	LOC613460
LOC613512	HPRT1
LOC613519	LOC613519
LOC613595	LDHB
LOC613882	LOC613882
LOC613970	LOC613970
LOC614366	RPS4X
LOC615291	FTL
LOC617130	RPL12
LOC617694	P48305
LOC619156	RPL17
LOC780968	LOC780968
LOC781220	CBX1
LOC782443	STIP1
LOC782776	LOC782776
LOC782835	RPL23
LOC782924	LOC782924
LOC782950	YPEL5
LOC782954	LOC782954
LOC783022	PNRC2
LOC783060	TATDN1
LOC783224	LOC783224
LOC783294	VDAC3
LOC783750	LOC783750
LOC783823	CCT5
LOC784127	LOC784127
LOC784385	LOC784385
LOC784697	MDH1
LOC785087	LOC785087
LOC785386	RPL10
LOC785421	ARF1
LOC785629	NDUFA2
LOC785968	LOC785968
LOC786055	LOC786055
LOC786256	LOC786256

LOC786258	Q3T054
LOC786930	RBBP4
LOC787497	P52505
LOC787530	CNN3
LOC787550	SKP1
LOC787679	TMEM59L
LOC788609	LOC788609
LOC788801	LOC788801
LOC789867	LOC789867
LOXL4	LOXL4
LRRC2	LRRC2
LRRC36	LRRC36
LRRC39	LRRC39
LXN	LXN
LYPLA1	LYPLA1
LYVE1	LYVE1
MANSC4	MANSC4
Mark1	Mark1
MAT2B	MAT2B
MAVS	MAVS
MEDAG	MEDAG
MFF	MFF
MGAM	MGAM
MICAL1	MICAL1
MORF4L1	MORF4L1
MORF4L1	MORF4L1
MPHOSPH6	MPHOSPH6
MPZ	MPZ
MRPL53	MRPL53
MRPS17	MRPS17
MSANTD4	MSANTD4
MSH5	MSH5
MSL3	MSL3
MYCBPAP	MYCBPAP
MYO7B	MYO7B
NAALADL1	NAALADL1
NCF2	NCF2
NCL	NCL
NCOA4	NCOA4
NDUFA4L2	NDUFA4L2
NDUFB2	NDUFB2
NDUFV2	NDUFV2
NDUFV2	NDUFV2
NFU1	NFU1
NGRN	NGRN
NONO	NONO
NPPA	NPPA
NSA2	NSA2
NUDT4	NUDT4
NXF2	NXF2

O18789	O18789
O18789	O18789
O46414	O46414
O46414	O46414
OR7D4	OR7D4
OSBPL1A	OSBPL1A
OSBPL1A	OSBPL1A
OTUD6B	OTUD6B
P00366	P00366
P00376	P00376
P00429	P00429
P00429	P00429
P02313	P02313
P12820	P12820
P13183	P13183
P16116	P16116
P23956	P23956
P25417	P25417
P29702	P29702
P42899	P42899
P45478	P45478
P52476	P52476
P55203	P55203
P55859	P55859
P58352	P58352
P61157	P61157
P62157	P62157
P62276	P62276
P63009	P63009
P68103	P68103
P81134	P81134
PABPN1	PABPN1
PAIP1	PAIP1
PAPPA2	PAPPA2
PAPSS1	PAPSS1
PASD1	PASD1
PDCD10	PDCD10
PDCL2	PDCL2
PDIA6	PDIA6
PDXK	PDXK
PEBP1	PEBP1
PEBP1	PEBP1
PERM1	PERM1
PEX19	PEX19
Pgam1	Pgam1
PHLDB2	PHLDB2
PHLDB2	PHLDB2
PIGP	PIGP
PKD1L3	PKD1L3
PLA2G12A	PLA2G12A

PLCB2	PLCB2
PLCD3	PLCD3
PLEK	PLEK
POPDC3	POPDC3
PPIA	PPIA
PPP2CB	PPP2CB
PRDX6	PRDX6
PRELID1	PRELID1
PRKCQ	PRKCQ
PRR32	PRR32
PRSS55	PRSS55
PSMG3	PSMG3
PTGER3	PTGER3
PTH	PTH
Q0V7M7	Q0V7M7
Q0VBW6	Q0VBW6
Q17QI8	Q17QI8
Q1JP75	Q1JP75
Q28107	Q28107
Q28852	Q28852
Q2HJ28	Q2HJ28
Q2HJ81	Q2HJ81
Q2KHT7	Q2KHT7
Q2T9M7	Q2T9M7
Q2TBN1	Q2TBN1
Q2TBV0	Q2TBV0
Q2YDH6	Q2YDH6
Q32KN2	Q32KN2
Q32L48	Q32L48
Q32PB0	Q32PB0
Q32PI5	Q32PI5
Q32PI5	Q32PI5
Q3MHL7	Q3MHL7
Q3MHN5	Q3MHN5
Q3MHV9	Q3MHV9
Q3SYV4	Q3SYV4
Q3SZA5	Q3SZA5
Q3SZD7	Q3SZD7
Q3SZH6	Q3SZH6
Q3SZV2	Q3SZV2
Q3SZV3	Q3SZV3
Q3T001	Q3T001
Q3T0U7	Q3T0U7
Q3T0W9	Q3T0W9
Q3T171	Q3T171
Q3ZC24	Q3ZC24
Q3ZRW9	Q3ZRW9
Q56JV9	Q56JV9
Q56JV9	Q56JV9
Q56JX3	Q56JX3

Q56JZ1	Q56JZ1
Q58DA7	Q58DA7
Q58DT1	Q58DT1
Q58DT1	Q58DT1
Q58DT1	Q58DT1
Q58DT1	Q58DT1
Q5E995	Q5E995
Q5E995	Q5E995
Q5E9B3	Q5E9B3
Q5E9D1	Q5E9D1
Q5E9E2	Q5E9E2
Q5E9E2	Q5E9E2
Q5E9J1	Q5E9J1
Q5EA97	Q5EA97
Q76LV1	Q76LV1
Q8MJG1	Q8MJG1
RAD23B	RAD23B
RBBP4	RBBP4
RGS18	RGS18
RHCG	RHCG
RHO	RHO
RNF38	RNF38
RPA2	RPA2
RPC17	RPC17
RPL10	RPL10
RPL10	RPL10
RPL10A	RPL10A
RPL10A	RPL10A
RPL10L	RPL10L
RPL12	RPL12
RPL12	RPL12
RPL12	RPL12
RPL15	RPL15
RPL15	RPL15
RPL17	RPL17
RPL17	RPL17
RPL17	RPL17
RPL21	RPL21
RPL21	RPL21
RPL21	RPL21
RPL22	RPL22
RPL23A	RPL23A
RPL23A	RPL23A
RPL3	RPL3
RPL30	RPL30
RPL30	RPL30
RPL32	RPL32
RPL34	RPL34
RPL4	RPL4
RPL4	RPL4

RPL4	RPL4
RPL5	RPL5
RPL5	RPL5
RPL6	RPL6
RPL6	RPL6
RPL6	RPL6
RPL6	RPL6
RPL6	RPL6
RPL7A	RPL7A
RPL8	RPL8
RPL9	RPL9
RPL9	RPL9
RPS12	RPS12
RPS14	RPS14
RPS16	RPS16
RPS21	RPS21
RPS23	RPS23
RPS25	RPS25
RPS4Y1	RPS4Y1
RPSA	RPSA
RTBDN	RTBDN
SCNN1B	SCNN1B
SDCBP	SDCBP
SEPW1	SEPW1
SERHL2	SERHL2
SERTM2	SERTM2
SETSIP	SETSIP
SKP1	SKP1
SLC16A1	SLC16A1
SLC16A4	SLC16A4
SLC22A10	SLC22A10
SLC36A2	SLC36A2
SLC36A3	SLC36A3
SLC45A2	SLC45A2
SLC5A10	SLC5A10
SNRPB2	SNRPB2
SNRPD1	SNRPD1
SNRPD1	SNRPD1
SOD1	SOD1
SOX7	SOX7
SPIN3	SPIN3
SPTAN1	SPTAN1
SRRM1	SRRM1
SRSF3	SRSF3
SRSF3	SRSF3
SSRP1	SSRP1
ST13	ST13
STAB1	STAB1
STARD6	STARD6
STRC	STRC

TAS1R1	TAS1R1
TBCB	TBCB
TBX1	TBX1
TCEAL7	TCEAL7
TLR10	TLR10
TMED1	TMED1
TMEM126A	TMEM126A
TMEM262	TMEM262
TMEM40	TMEM40
TMIE	TMIE
TMSB4X	TMSB4X
TOM6	TOM6
Trmt112	Trmt112
TRPM1	TRPM1
TSG101	TSG101
TUBA1A	TUBA1A
TUBA1D	TUBA1D
TXN2	TXN2
UBB	UBB
UBE2V1	UBE2V1
UQCC1	UQCC1
UQCRB	UQCRB
UQCRC2	UQCRC2
USP11	USP11
VDAC3	VDAC3
VILL	VILL
VPS35	VPS35
WBP11	WBP11
WIF1	WIF1
ZC3H14	ZC3H14
ZCCHC17	ZCCHC17
ZDBF2	ZDBF2
ZFR	ZFR
ZNF232	ZNF232
ZNF300	ZNF300
ZNF605	ZNF605
ZNF789	ZNF789

Enriched in the visual cortex of cattle compared to the visual cortex of the long-finned pilot whale and the killer whale	
Original ID	ID used for PANTHER GO analysis
A3GALT2	A3GALT2
ABCA7	ABCA7
ABCA9	ABCA9
ACBD7	ACBD7
ACSM5	ACSM5

ADGRA1	ADGRA1
ADH6_2	F1N2Z0,
ADM2	ADM2
ADORA2B	ADORA2B
AFMID	AFMID
AGT	P01017,
ALDH3A2	ALDH3A2
ALDOB	Q3T0S5
ALOX5	ALOX5
ALPK3	ALPK3
ANKEF1	ANKEF1
ANKRD9	ANKRD9
APOA1	P15497,
ASB2	Q3SX45
B3GNT6	F1MGN7
BCAS4	BCAS4
BCNT2	ENSBTAG00000030600
BICDL2	BICDL2
BSG	Q865R3,
C14H8orf89	C8orf89
C16H1orf105	C16H1orf105
C18H19orf18	C19orf18
C19H17orf100	C19H17orf100
C19H17orf80	ENSBTAG00000006089
C23H6orf226	C23H6orf226
C23H6orf52	C6orf52
C23H6orf89	ENSBTAG00000002393
C8G	C8G
CABLES1	ENSBTAG00000008705
CABLES2	CABLES2
CAPS2	CAPS2
CASQ2	CASQ2
CATSPERD	CATSPERD
CCDC158	CCDC158
CCDC17	CCDC17
CCDC183	CCDC183
CCDC188	CCDC188
CCDC190	CCDC190
CCDC3	CCDC3
CCDC78	M5FI71,
CCL25	CCL25
CCL27	CCL27
CD46	CD46
CD58	CD58
CD8A	P31783
CD99	CD99
CD99L2	CD99L2
CDKL4	CDKL4
CELA1	CELA1
CETN4	CETN4

CFAP126	CFAP126
CFAP46	CFAP46
CFDP2	O02751
CHI3L1	P30922,
CHRDL1	CHRDL1
CLDN10	CLDN10
CMTM6	CMTM6
CNN1	CNN1
COX7B	P13183
COX7C	COX7C
CPNE7	CPNE7
CRACR2A	ENSBTAG00000018940
CSF2RA	CSF2RA
CSNK1B	CSNK1B
CYB5D2	CYB5D2
CYS1	CYS1
DANCR	DANCR
DCUN1D2	DCUN1D2
DDC	P27718
DDX31	DDX31
DHDH	DHDH
DHRS11	DHRS11
DNPH1	DNPH1
DUSP28	DUSP28
DZANK1	ENSBTAG00000004622
ECHDC3	ECHDC3
EEF1A1	P68103
EFCAB6	EFCAB6
EMC10	EMC10
EME2	EME2
EPB41L5	EPB41L5
EPPK1	EPPK1
ERAS	ERAS
ESPN	ESPN
ESPNL	ESPNL
EXOSC6	MTR3
FAAP20	FAAP20
FAM163B	FAM163B
FAM227A	FAM227A
FAM43B	FAM43B
FAM71F2	FAM71F2
FBXO15	FBXO15
FCGR1A	FCGR1A
FREM1	FREM1
FSD2	FSD2
FUOM	Q0P563
GALNT9	GALNT9
GATD1	ENSBTAG00000010348
GDPD2	GDPD2
GFRA4	GFRA4

GNA13	GNA13
GNAL	GNAL
GNB1L	GNB1L
GPC1	GPC1
GPC5	GPC5
GRK4	GRK4
GSTM1_1	Q9N0V4,
GSTM2	GSTM2
HMMR	HMMR
HOXD3	HOXD3
HSD17B11	HSD17B11
IFITM1	ENSBTAG00000003251
IL17D	IL17D
IL32	IL32
ITGA2	P53710,
ITGB7	ITGB7
JRK	JRK
KBTBD11	KBTBD11
KCNJ16	KCNJ16
KCNK13	KCNK13
KIF17	KIF17
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LY6L	LY6L
LYPD1	LYPD1
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MAS1	MAS1
MED9	Q2KHX9
MEG8	PERK10
MFSD9	MFSD9
MGARP	MGARP
MOK	MOK
MRO	Q58DE2,
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MYH4	MYH4
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OTOF	OTOF
OTOS	OTOS
OVOL2	OVOL2
OXTR	OXTR
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PAPLN	PAPLN
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PAX5	PAX5
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PIR	PIR
PODN	PODN
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PTS	PTS
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REG4	REG4
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RNASE10	RNASE10
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SH3RF3	SH3RF3
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SLC22A18	SLC22A18
SLC39A12	SLC39A12
SLC49A3	ENSBTAG00000031553
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SPACA9	ENSBTAG00000005189
SPAG11B	ENSBTAG00000034952
SRD5A1	SRD5A1
SSLP1	P83107
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SULT1C4_2	SULT1C4
SUMO3	SUMO3
SYCE1L	SYCE1L
TCAP	TCAP
TCFL5	TCFL5
TEX22	TEX22
TIGD5	G3MY25,
TLE6	TLE6
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TMEM273	C10orf128
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TNFSF9	TNFSF9
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TPMT	TPMT
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TRIM5	Q9C035
TRIM52	TRIM52
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UVSSA	UVSSA
VOPP1	VOPP1
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VWA5A	VWA5A
WDR27	WDR27
XDH	P80457
XRCC3	XRCC3
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ZNF446	ZNF446
ZNF575	ZNF575

ZNF70	ZNF70
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ZNF845	ZNF845
ZWILCH	ZWILCH
ZWINT	Q2TBH8,

Enriched in the brain of whale (2 × long-finned pilot whale, killer whale, bowhead whale, minke whale) compared to the brain of cattle (n=5)	
Original ID	ID used for PANTHER GO analysis
ACACB	ACACB
ACE2	ACE2
ACOT2_2	ACOT2
ACY1	ACY1
ADAM18	ADAM18
ALB	P02769
ALDH1B1	P52476
ALG5	ALG5
AOAH	AOAH
AOX2	AOX2
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ASCL3	ASCL3
ASGR1	ASGR1
ATP13A5	ATP13A5
ATP1A4	ATP1A4
ATP4A	ENSBTAG00000008777
ATP6V1E2	ATP6V1E2
AXDND1	AXDND1
BCL6B	BCL6B
BCO2	F1N2Z9
BHMT	BHMT
BOLA_1	A7YWH4
BTN1A1	BTN1A1
BUB1B	BUB1B
C11H2orf78	C2orf78
C15H11orf1	ENSBTAG00000045821
C15H11orf65	C11orf65
C1H3orf30	C1H3orf30
C25H7orf61	ENSBTAG00000016765
C26H10orf120	ENSBTAG00000010797
C2CD6	ENSBTAG00000017436
CALM	P62157
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CCDC159	CCDC159
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CCNA2	P30274
CD177	CD177
CDC25A	CDC25A
CDRT1	CDRT1
CENPH	CENPH
CEP78	CEP78
CFAP47	CFAP47
CLEC17A	CLEC17A
CNDP1	CNDP1
CNTD2	CNTD2
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COXP1	COX4
CPS1	CPS1
CPT1B	CPT1B
CXHXorf57	ENSBTAG00000003668
DDX43	DDX43
DHRS7	DHRS7
DLL3	DLL3
DNAH2	DNAH2
DNASE1L2	DNASE1L2
DUSP27	DUSP27
ECT2	ECT2
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EIF3L	EIF3L
F5	Q28107
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FAM228A	FAM228A
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GCK	GCK
GGCT	GGCT
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MYO1H	MYO1H
MYO7B	MYO7B
NAP1L3	ENSBTAG00000019407.4
NDUFA4L2	NDUFA4L2
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NRIP1	NRIP1
NXF2	NXF2
PASD1	PASD1
PBLD	PBLD
PDLIM1	Q5E9E1
PGPEP1L	PGPEP1L
PHKA2	PHKA2
PKD1L3	PKD1L3
PLBD1	PLBD1
PLEKHG7	PLEKHG7
PM20D1	Q2T9M7
PNMA5	PNMA5
POPDC3	POPDC3
PPL	M5FKH8
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PRSS55	PRSS55
PRTFDC1	PRTFDC1

PSKH2	PSKH2
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PTH	PTH
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RHO	RHO
RHOV	Q17QI8
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RPL17	RPL17
RPS27P	Q2KHT7
RPS4Y1	RPS4Y1
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SCNN1B	SCNN1B
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SLC45A2	SLC45A2
SLC5A1	SLC5A1
SLC5A10	SLC5A10
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SRSF3	SRSF3
STAB1	STAB1
STARD6	STARD6
STRC	STRC
SYNE4	SYNE4
TBX1	TBX1
TCEAL7	TCEAL7
TDRD5	E1BPH3
TECTA	TECTA
TIMP4	O97563
TMEM102	TMEM102
TMEM262	TMEM262
TPRKB	TPRKB
TRO	TRO
TSNAX	TSNAX
TUBA1D	TUBA1D
TUBB6	Q2HJ81
TXK	TXK

UHRF2	UHRF2
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VTN	VTN
VWCE	VWCE
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WDR75	WDR75
WIF1	WIF1
ZDBF2	ZDBF2
ZFP92	ZFP92
ZNF232	ZNF232
ZNF300	ZNF300
ZNF594	ZNF594
ZNF699	ZNF699
ZNF789	ZNF789

Enriched in the brain cattle (n=5) compared to the whale brain (2 × long-finned pilot whale, killer whale, bowhead whale, minke whale)	
Original ID	ID used for PANTHER GO analysis
A3GALT2	A3GALT2
ABHD14B	ABHD14B
ACBD7	ACBD7
ACSM5	ACSM5
ADAMTSL5	ADAMTSL5
ADGRA1	ADGRA1
ADH6	F1N2Z0
AFMID	AFMID
ALDH3A2	ALDH3A2
ALDOB	Q3T0S5
AMZ1	AMZ1
ANKEF1	ANKEF1
ANKRD9	ANKRD9
ANO7	ANO7
ANOS1	ANOS1
ANXA9	Q3ZC08
ARHGAP19	ARHGAP19
ARMC10	ARMC10
ARSB	ARSB
ATP2C2	ATP2C2
B3GNT6	F1MGN7
BCAS4	BCAS4
BCNT2	ENSBTAG00000030600
BRB	BRB
C11H9orf116	ENSBTAG00000023776
C13H20orf27	ENSBTAG00000018735

C14H8orf89	C8orf89
C16H1orf105	C16H1orf105
C18H19orf18	C19orf18
C19H17orf100	C19H17orf100
C19H17orf80	ENSBTAG00000006089
C1QL2	C1QL2
C23H6orf52	C6orf52
C23H6orf89	ENSBTAG00000002393
C26H10orf143	C26H10orf143
C3H1orf162	C1orf162
CABLES1	ENSBTAG00000008705
CAPS2	CAPS2
CARD6	CARD6
CATSPERD	CATSPERD
CCDC17	CCDC17
CCDC188	CCDC188
CCDC190	CCDC190
CCL25	CCL25
CD46	CD46
CD58	CD58
CD8A	P31783
CD99	CD99
CD99L2	CD99L2
CDC42EP1	CDC42EP1
CDKL4	CDKL4
CDRT4	Q2YDL7
CELA1	CELA1
CERK	CERK
CETN4	CETN4
CFAP46	CFAP46
CFDP2	O02751
CHRDL1	CHRDL1
CLDN10	CLDN10
CMTM6	CMTM6
COX10	COX10
COX19	COX19
COX7B	P13183
CPLANE2	ENSBTAG00000014221
CPNE7	CPNE7
CROCC2	CROCC2
CSF2RA	CSF2RA
CSNK1B	CSNK1B
CTSZ	P05689
CYB5A	CYB5A
CYB5D2	CYB5D2
CYS1	CYS1
DDC	P27718
DDX31	DDX31
DEPTOR	DEPTOR
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DNPH1	DNPH1
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DZANK1	ENSBTAG00000004622
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EEF1AKMT1	ENSBTAG00000008296
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EMC10	EMC10
EME2	EME2
EPB41L5	EPB41L5
ERBB3	ERBB3
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FBXO15	FBXO15
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FEM1A	FEM1A
FIBCD1	FIBCD1
FMO5	FMO5
FOXK1	FOXK1
FTL	FTL
FUOM	Q0P563
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GLB1L3	GLB1L3
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GNAL	GNAL
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GPC5	GPC5
GRK4	GRK4
GSTM1	Q9N0V4
GSTM2	GSTM2
GUCD1	GUCD1
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IRGQ	IRGQ
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LYNX1	LYNX1
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MARK4	MARK4
MATN4	E1BDF3
MAVS	MAVS
MBP	MBP

MED9	Q2KHX9
MEG3	Gtl2
MEG8	PERK10
MFSD9	MFSD9
MGARP	MGARP
MGMT	MGMT
MOK	MOK
MPPE1	MPPE1
MROH5	MROH5
MS4A1	MS4A1
MS4A7	MS4A7
MSANTD1	MSANTD1
MSH4	MSH4
MSLN	MSLN
MTHFS	MTHFS
MUSK	MUSK
MYMK	ENSBTAG00000013242
MZF1	MZF1
NADSYN1	NADSYN1
NAT8L	ENSBTAG00000031364
NAV1	NAV1
NBDY	NBDY
NCAPD3	NCAPD3
NCR3	NCR3
NEU4	NEU4
NKD2	NKD2
NOBOX	NOBOX
NQO1	NQO1
NT5DC3	NT5DC3
NWD1	NWD1
ODF3L2	ODF3L2
OOSP2	ENSBTAG00000027348
OTOF	OTOF
OTOS	OTOS
OXTR	OXTR
P3H2	ENSBTAG00000021025
PAICS	PAICS
PANX1	PANX1
PAQR4	PAQR4
PDXK	PDXK
PEG3	PEG3
PNLDC1	PNLDC1
PODN	PODN
POMK	POMK
PPP6R1	PPP6R1
PRELID3A	PRELID3A
PRKAR1B	PRKAR1B
PRR18	PRR18
PRR19	PRR19
PTPN18	PTPN18

PTPRCAP	PTPRCAP
PTS	PTS
PTTG1IP	PTTG1IP
PVR	ENSBTAG00000015292
PWWP2B	PWWP2B
RABL2B	RABL2B
RAMP1	RAMP1
RASA3	Q28013
REG4	REG4
RGS11	RGS11
RGS9	RGS9
RNASE10	RNASE10
RNF135	RNF135
RNF175	RNF175
RNF207	A0JNG4
RPL15	RPL15
RPL39	RPL39
RTL6	ENSBTAG00000012425
RXRA	RXRA
S1PR5	S1PR5
SAPCD2	SAPCD2
SCNN1D	SCNN1D
SDSL	SDSL
SERPINB6	O02739
SH3RF3	SH3RF3
SHROOM2	SHROOM2
SIRT5	SIRT5
SLC22A16	SLC22A16
SLC22A18	SLC22A18
SLC25A15	SLC25A15
SLC25A37	Q3ZBJ8
SLC27A6	SLC27A6
SLC29A3	SLC29A3
SLC41A3	SLC41A3
SLC47A1	SLC47A1
SLC49A3	ENSBTAG00000031553
SLC6A20	SLC6A20
SLC9A3R1	SLC9A3R1
SLX4IP	SLX4IP
SMIM10L1	SMIM10L1
SNHG3	SNHG3
SNX29	Q08DX0
SORCS3	SORCS3
SPACA9	ENSBTAG00000005189
SRD5A1	SRD5A1
SSLP1	P83107
SSTR1	SSTR1
STXBP4	STXBP4
SULT1C4	SULT1C4
TCFL5	TCFL5

TEX22	TEX22
TLE6	TLE6
TMEM179	TMEM179
TMEM231	TMEM231
TMEM254	TMEM254
TMEM273	C10orf128
TNFRSF19	TNFRSF19
TNFSF9	TNFSF9
TNKS1BP1	TNKS1BP1
TOLLIP	TOLLIP
TPK1	TPK1
TPMT	TPMT
TPPP	TPPP
TRIM34	ENSBTAG00000037465
TRIM5	Q9C035
TRIM52	TRIM52
TSLP	TSLP
TSPAN11	TSPAN11
TSPYL5	ENSBTAG00000011572
TUNAR	TUNAR
TYMS	Q2TA32
UROC1	UROC1
UTP6	UTP6
UVSSA	UVSSA
VWA5A	VWA5A
WDR27	WDR27
WDR73	WDR73
WIPF3	WIPF3
WNT4	WNT4
WWOX	WWOX
XDH	P80457
XRCC3	XRCC3
ZDHHC22	ZDHHC22
ZFP28	ZFP28
ZNF446	ZNF446
ZNF543	ZNF543
ZNF550	ZNF550
ZNF70	ZNF70
ZNF75D	ZNF75D
ZNF845	ZNF845
ZWILCH	ZWILCH

Additional File 4 Table S1: Most highly expressed genes in the brain of whale (A) and cattle (B).

Gene	Gene symbol	Function	Whale (RPKM)	Cattle (RPKM)	Fold difference
A. Whale					
RNA, 18S Ribosomal 5	RN18S1	Translation	24383.2	950.4	25.7
28S ribosomal RNA	LOC112444681	Unknown	12721.9	1240.5	10.3
Synaptosome associated protein 25	SNAP25	SNAP receptor activity	1390.3	962.3	1.4
Glyceraldehyde-3-phosphate dehydrogenase	GAPDH	Metabolic enzyme	1136.4	1023.5	1.1
Ubiquitin B	UBB	Binding	946.8	682.5	1.4
Proteolipid protein 1	PLP1	Myelin protein	835.5	1062.2	-0.8
S100 calcium binding protein B	S100B	Ca^{2+}-binding regulator	814.9	1031.3	-0.8
5.8S ribosomal RNA	LOC112444653	Translation	799.9	103.5	7.7
Ferritin heavy chain 1	FTH1	Storage protein	780.0	1511.1	-0.5
Aldolase C, fructose-bisphosphate	ALDOC	Metabolic enzyme	724.8	529.2	1.4
B. Cattle					
Myelin basic protein	MBP	Myelin protein	399.6	2260.3	-0.2
Ferritin heavy chain 1	FTH1	Storage protein	780.0	1511.1	-0.5
28S ribosomal RNA pseudogene	LOC112444681	Unknown	12721.9	1240.5	10.3
Proteolipid protein 1	PLP1	Myelin protein	835.5	1062.2	-0.8
S100 calcium binding protein B	S100B	Ca^{2+}-binding regulator	814.9	1031.3	-0.8
Glyceraldehyde-3-phosphate dehydrogenase	GAPDH	Metabolic enzyme	1136.4	1023.5	1.1
SPARC-like 1	SPARCL1	Ca^{2+}-binding regulator	451.0	996.9	-0.5
Synaptosome associated protein 25	SNAP25	SNAP receptor activity	1390.3	962.3	1.4
RNA, 18S ribosomal 5	RN18S1	Translation	24383.2	950.4	25.7
Calmodulin 2	CALM2	Ca^{2+}-binding regulator	659.2	839.3	-0.8

Additional File I_5: Gene expression (RPKM values) of differentially expressed genes in visual cortex and cerebellum samples of the long-finned pilot whale. The cutoff was set to RPKM Fold change > 2 and RPKM > 5 in the respective brain region.

Feature ID	RPKM visual cortex long-finned pilot whale	RPKM cerebellum long-finned pilot whale	RPKM fold difference
ABCA1	6.563007653	18.57374737	-2.830066389
ABCC1	1.88493596	10.48677361	-5.563464136
ABCC5	19.69329056	40.53232592	-2.058179449
ABCC8	19.10274845	44.32866737	-2.320538717
ABCD2	7.047845392	2.321543485	3.03584466
ABHD11	18.05464097	8.478273688	2.129518536
ABHD18	3.918685357	8.924532753	-2.277430296
ABHD3	26.64033141	8.714567954	3.0569882
ABHD4	5.645505932	12.7841699	-2.264486133
ABHD8	25.95092318	12.42677442	2.088307255
ABI3BP	2.722092976	6.64582562	-2.441439613
ABLIM1	10.31246116	65.16781724	-6.319327292
ABLIM2	13.78544974	6.612997403	2.084599298
ABLIM3	17.93136257	61.89235391	-3.451625813
ABR	71.4664721	12.79806527	5.584162183
ABRACL	18.86407715	0.518815976	36.35986174
ABTB1	3.27619138	14.94751025	-4.562465534
ACAD11	3.433105397	6.866638424	-2.000124561
ACAT2	50.86885122	9.421761867	5.399080548
ACER3	5.72848199	2.587814843	2.213636731
ACKR1	7.202407978	61.22312768	-8.500369303
ACLY	71.8190069	26.19049536	2.742178257
ACOT7	27.7590684	12.81124475	2.166773717
ACSL3	89.70058351	36.92708137	2.429127355
ACSS3	8.377355183	24.27438176	-2.897618787
ACTA2	4.283517155	8.816539925	-2.058247839
ACTC1	6.971780849	1.640037018	4.25098993
ACTN1	35.92068941	5.555491704	6.465798406
ACTN2	7.094831028	1.062030591	6.680439421
ACTN4	42.80033935	19.95910884	2.144401321
ACTR10	60.85199568	143.1452513	-2.352350973
ADA	10.70823567	5.225919008	2.049062692
ADAM15	8.122215915	19.29357555	-2.375407863
ADAM23	41.43417268	11.99106864	3.455419524
ADAMTS13	0.77215038	5.655124446	-7.323864098
ADAMTS17	2.93820027	6.859660242	-2.334646931
ADAMTS4	8.776183161	1.273518349	6.891289135
ADARB1	7.200674968	3.303038642	2.180015358
ADCK2	4.053625884	15.32171062	-3.779754487
ADCY1	41.33265079	19.90806904	2.076175781
ADCY2	64.7557392	8.749569908	7.401019694

ADCY4	3.342541042	9.6257025	-2.879755964
ADCY5	22.6907646	9.051673716	2.506803197
ADCYAP1	5.346149637	2.377312892	2.248820362
ADCYAP1R1	37.10602728	15.49074036	2.395368227
ADGRA3	2.663554393	7.061413327	-2.651124131
ADGRB1	19.09237934	4.877480569	3.914393727
ADGRB2	27.32576091	0.588944856	46.39782589
ADGRG1	25.63780193	11.59032569	2.212000129
ADHFE1	24.67032082	12.20308588	2.021646087
ADORA1	3.805790266	13.53235337	-3.55572757
ADRA1B	9.925291964	1.37239915	7.232073823
ADSSL1	6.794413655	19.93491768	-2.934015897
AFF1	1.643110179	5.032810551	-3.062978135
AFF3	5.003611226	12.70488872	-2.539143859
AGAP2	62.83670411	24.038906	2.61395856
AGO4	3.066659944	12.14907029	-3.961662041
AIF1L	39.09569978	18.63332571	2.098160059
AIFM3	13.70988025	5.702948488	2.403998612
AJAP1	5.519837418	1.409820822	3.915275851
AK5	44.25488661	10.1910257	4.34253508
AKAP2	14.24655457	6.117634352	2.328768565
AKAP5	16.74792211	0.922657948	18.1518212
AKAP6	26.36707366	11.51343736	2.290113093
AKAP7	12.23120293	5.644870353	2.166781904
AKAP8	11.52536826	23.63073496	-2.050323636
AKAP8L	8.072623042	19.0199793	-2.356108938
AKAP9	7.592602161	19.13265166	-2.519907043
AKIP1	21.08369598	8.001318172	2.63502782
ALCAM	64.48433966	8.977920169	7.182547678
ALDH1L1	25.99367938	12.92738008	2.010746123
ALDOC	541.3073017	1326.716521	-2.450948873
ALMS1	3.370905762	8.776010524	-2.603457689
ALS2	16.38935861	118.3798314	-7.222969132
AMDHD2	5.460615633	1.893110696	2.88446716
AMER3	2.104034921	8.105824019	-3.852514013
AMMECR1L	9.392071479	21.52351638	-2.291668715
AMOTL1	11.38779875	1.209778361	9.413128157
AMY2B	3.442236078	10.29199962	-2.989916841
ANGPT1	1.440934889	6.721686202	-4.664809112
ANGPTL7	46.11338774	0.742299153	62.12237684
ANK1	5.085105707	20.2421562	-3.980675597
ANKRD13A	7.612589651	16.27289467	-2.137629298
ANKRD37	2.814797093	7.78485739	-2.765690433
ANKRD39	1.122567625	5.182600308	-4.616737731
ANKRD50	5.009271561	2.195078658	2.282046496
ANKRD6	3.218951115	23.67980969	-7.356374435
ANKS1A	3.649278853	12.75360333	-3.494828387
ANKS1B	48.65716763	21.39120555	2.274634195
ANKS6	0.995625534	5.858048587	-5.883787015
ANKZF1	1.402070692	7.278080544	-5.190951203

ANO3	7.870602394	0.80732102	9.74903687
ANXA3	17.20270443	8.492764364	2.025571851
ANXA6	140.8373843	53.20358199	2.647141019
AP1G2	1.620485391	8.437491121	-5.206767779
AP1S1	49.20333537	22.50592171	2.186239516
AP1S2	5.985492354	14.15616899	-2.365080122
AP2S1	84.72062933	40.16291238	2.109424449
AP3S1	69.66543989	23.94682775	2.909171963
APC	36.99836625	14.8850225	2.485610367
APLP1	248.7887254	95.98034028	2.592080051
APOD	435.2581941	209.5461949	2.077146732
APPL2	16.07561226	34.50756746	-2.146578737
ARAP2	10.61009474	3.800441678	2.7918057
ARC	14.75879194	0.03299668	447.2811133
ARHGAP11A	5.714757939	2.201436171	2.595922614
ARHGAP26	13.00863948	27.08656777	-2.082198359
ARHGAP29	7.704847136	16.79207547	-2.179417083
ARHGAP31	4.934084471	10.10697746	-2.048399763
ARHGAP32	16.37068854	2.670688607	6.129763123
ARHGAP42	2.998058227	6.625059214	-2.209783371
ARHGDIB	7.489445718	2.993398454	2.501987568
ARHGDIG	21.7313843	1.630577363	13.32741689
ARHGEF10	6.399160119	2.475158021	2.585354173
ARHGEF17	14.7763718	6.249015977	2.364591779
ARHGEF28	6.89861924	0.800606722	8.616739094
ARHGEF3	35.48256134	3.059511632	11.59745921
ARHGEF33	0.011302301	16.88730574	-1494.147596
ARHGEF40	3.800057665	7.626874946	-2.007041897
ARHGEF7	18.80820154	9.191524873	2.046254762
ARID2	4.705996934	11.631411	-2.471614657
ARL4C	13.1794913	0.984260771	13.39024341
ARL4D	14.53386183	1.568243903	9.267602951
ARL6IP5	120.1726775	59.02205989	2.036063765
ARL8B	111.7867329	48.38069594	2.310564798
ARMC8	12.81956031	30.86104129	-2.407340077
ARPC5L	65.86638713	28.16817687	2.33832624
ARPP19	61.41159392	19.97487572	3.074441853
ARPP21	60.27979803	9.809096787	6.145295468
ARRB1	53.58343563	23.56208413	2.274138202
ARRDC2	9.252300571	4.047398247	2.285987196
ARRDC3	6.449555121	19.07856617	-2.958121267
ARVCF	0.930436412	8.675841688	-9.32448642
ASAP1	15.72721042	7.791765691	2.018439857
ASGR1	5.336101802	12.46756696	-2.336455979
ASIC2	19.34415472	8.961326414	2.158626283
ASPA	23.68144737	8.856169671	2.674005608
ASPHD1	11.25412109	23.28899379	-2.06937473
ATCAY	14.74642441	3.265189434	4.516253867
ATF7	3.827751431	11.07547594	-2.893467911
ATL1	106.1062937	36.05491902	2.942907558

ATP11A	5.121563235	10.64099842	-2.077685646
ATP11C	3.349193381	8.146828225	-2.432474718
ATP13A2	24.04248553	7.272585245	3.305906321
ATP1B1	422.1966782	148.4079113	2.844839434
ATP2A3	0.475033761	5.281349503	-11.11784033
ATP2B3	14.59036745	6.057151376	2.408783692
ATP6V0D1	175.1089233	49.23287195	3.55674809
ATP6V1E2	5.112719102	2.06091565	2.480799785
ATRNL1	18.15816129	0.992920134	18.2876353
ATXN7L2	1.585676968	6.223251043	-3.924665092
ATXN7L3	41.54734275	15.94650855	2.605419401
B3GALT1	9.068613716	3.658014038	2.479108505
B3GALT2	15.71178395	4.019844042	3.908555602
B3GAT1	9.784847939	2.86681342	3.41314432
B3GAT2	11.98285741	3.224706642	3.715952717
B3GNT2	17.51507579	7.35330379	2.381932841
B4GALT2	19.42080684	7.755482828	2.504138977
B4GALT4	8.4164172	19.88053588	-2.362113879
B4GAT1	163.4449527	78.14636815	2.091523337
B9D1	6.748001244	2.517537182	2.680397848
BAALC	48.50788691	4.387965983	11.05475455
BAIAP2	21.93601024	7.140349022	3.072120168
BAMBI	5.878219289	1.029206567	5.711408648
BARHL1	0	6.560538153	#DIV/0!
BARHL2	0	29.98067411	#DIV/0!
BAZ2B	4.849578823	11.90747981	-2.455363702
BCAP29	44.8697772	21.17257006	2.119240936
BCAS1	70.63614165	33.4708522	2.110377747
BCAT1	17.32143981	1.907060983	9.082792822
BCAT2	5.658157505	11.68661035	-2.065444509
BCL11A	12.15005497	0.60746929	20.00110157
BCL2L1	34.77073885	16.47132433	2.11098623
BCL6	2.716224869	10.43775183	-3.842742162
BEND5	5.12641482	1.937550212	2.64582295
BFAR	10.33180726	23.15552825	-2.241188561
BGLAP	1.454521167	6.081085256	-4.180815922
BHLHE22	18.17942185	41.30903563	-2.272296444
BHLHE40	51.39702684	5.87070096	8.754836466
BHLHE41	7.477749607	16.25469087	-2.173740994
BHMT	68.88559141	5.85282906	11.76962298
BICD1	6.059738796	14.08851519	-2.324937703
BICRAL	6.408969734	18.5457945	-2.893724774
BLOC1S3_2	34.68973244	16.62507023	2.086591633
BLVRA	13.3905431	2.841060426	4.713220099
BMI1	18.28811349	36.9249932	-2.019070651
BMP1	5.00365464	34.76279358	-6.947480609
BMP5	0.747054252	52.42754232	-70.17902937
BMPER	18.55956302	2.885031438	6.433053996
BOLA-DRA	3.622311619	8.887800404	-2.453626672
BORCS6	6.124668101	2.70392568	2.265102235

BPTF	6.007347613	12.03310514	-2.003064566
BRD3OS	6.516896423	2.797444551	2.329589132
BRINP1	149.8114759	36.71754701	4.080105784
BRINP2	25.70729454	2.103783322	12.2195543
BRINP3	19.56524127	1.998767483	9.788652975
BRWD3	2.512268036	5.319868546	-2.117556116
BTBD10	62.07660755	16.48529691	3.765574128
BTBD3	28.5654373	72.51471351	-2.538547292
BTBD9	12.83917143	5.512737621	2.329001
BTG1	23.22724482	159.8628136	-6.882556018
BTG2	4.884051955	9.918115757	-2.03071463
BTG3	20.37166441	3.080173385	6.613804438
BUB1B	3.041446485	9.761568885	-3.209515253
BUD13	4.039174455	8.565550034	-2.120618985
BZW2	38.28172245	14.13936448	2.707457079
C10H15orf48	5.019537868	1.055176454	4.757060159
C11H2orf68	2.282551744	6.907262658	-3.026114382
C11H9orf16	8.593657485	4.038244633	2.12806758
C14H8orf88	6.145149679	2.046103287	3.003342851
C15H11orf87	44.95883667	4.369832162	10.28845846
C15H11orf96	9.716833799	2.356560746	4.123311404
C19H17orf58	2.11140986	11.8262032	-5.601093101
C1H3orf58	7.050371847	22.38831266	-3.175479697
C1QB	18.94599944	8.941232053	2.118947291
C1QC	21.09808431	10.29061076	2.050226638
C1QL3	33.62308132	1.051469745	31.97722188
C1R	1.958157776	20.03019323	-10.22910077
C22H3orf14	8.03836569	2.036783471	3.946598058
C25H16orf45	36.90083312	16.82252746	2.193536804
C25H7orf26	2.545279267	5.754153581	-2.260716007
C29H11orf80	6.760802182	34.66723231	-5.127680322
C2H2orf72	12.51697342	5.593133996	2.237917673
C2H2orf80	12.54467842	0.172887326	72.55984972
C3H1orf216	5.038102937	2.410576134	2.089999509
C5H12orf75	1.797599295	9.759927378	-5.429423235
C7H19orf70	29.43067508	12.39548683	2.374305703
C7H19orf71	2.162221143	11.42073338	-5.281945103
CA10	32.38309495	68.33196459	-2.110112226
CA2	41.90249841	10.1926768	4.111039644
CA4	9.2415866	1.894375767	4.878433711
CA7	9.467929682	3.514829152	2.693709786
CA8	5.969576856	19.59462959	-3.282415163
CAB39L	12.53306586	5.791943357	2.163879217
CABIN1	3.288964638	9.813447755	-2.983749853
CABP1	87.02387503	14.13253716	6.157696528
CABP7	1.43585866	7.807189167	-5.437296429
CACNA1A	18.56694771	53.46920261	-2.879805741
CACNA1E	7.940390894	1.57326066	5.047091748
CACNA1I	3.78809912	10.91087921	-2.880304571
CACNA2D2	5.079513455	11.83517901	-2.329982806

CACNA2D3	29.41954696	1.636116299	17.98132992
CACNB1	14.63498308	3.478526647	4.207236157
CACNB3	35.7651343	7.254944397	4.929759946
CACNG3	84.09423484	1.616253631	52.03034549
CADM1	26.11119919	81.50626159	-3.121505872
CADM3	77.68467869	224.1578488	-2.885483374
CADPS2	24.20123718	145.1275089	-5.996697929
CALB1	0.188025557	112.5886119	-598.7941932
CALB2	17.13875492	58.87740066	-3.435337102
CALCR	8.5990528	4.290662264	2.004131826
CALD1	5.720746427	32.68646636	-5.713671594
CALM	361.5778756	145.9064975	2.478147868
CALM1	383.2918579	129.297865	2.964409799
CALM2	1311.034937	493.1976965	2.658234104
CALM3	566.5035465	224.2666748	2.526026423
CALN1	12.73581371	26.98180827	-2.118577492
CALY	103.9885131	14.34196723	7.250645009
CAMK1	51.24744571	14.51046854	3.531756785
CAMK1D	45.20528736	20.72477128	2.181220085
CAMK1G	7.934681154	2.53171333	3.134115169
CAMK2A	592.1729141	57.92248951	10.22354044
CAMK2D	37.41638904	83.07736983	-2.220347072
CAMK2G	87.83012754	23.13376603	3.796620379
CAMK2N1	505.6605004	120.8620932	4.183780763
CAMKV	99.63177548	12.49175208	7.975804743
CAP1	76.40666036	36.88000103	2.071764052
CAP2	132.0211528	44.52777139	2.964917145
CAPN7	8.01346636	16.31742154	-2.036250083
CAPZA2	135.8846672	66.41897225	2.045871271
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CARNS1	5.324821063	1.787713825	2.978564572
CARTPT	39.02235827	0.60349346	64.66078069
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CAVIN1	1.865490197	5.561843147	-2.981437884
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CBLN1	3.250308295	496.6292965	-152.7945202
CBLN2	9.899044613	0.687683195	14.39477463
CBLN3	4.809260462	275.5795197	-57.30184961
CBR1	7.715367648	3.524848526	2.188850837
CCDC112	4.859199379	12.02052575	-2.473766727
CCDC124	34.29106226	14.17394589	2.419302467
CCDC136	54.4316167	26.51251223	2.053053903
CCDC142	3.02570014	8.859185949	-2.927978828
CCDC159	6.282467253	14.17938649	-2.256977381
CCDC181	6.651404089	1.261039311	5.27454143
CCDC184	11.35986071	5.278132111	2.152250167
CCDC28B	8.595660669	21.70525021	-2.525140422
CCDC3	0.783120297	16.9762017	-21.67764234
CCDC62	3.713320598	8.034223065	-2.163622249
CCDC65	7.356913201	2.174992191	3.382500973

CCDC71	6.515661148	3.198138312	2.037329381
CCDC80	20.92510151	9.155490161	2.285524985
CCDC82	29.36970939	69.26719516	-2.358456948
CCDC88A	26.33962697	11.72743926	2.245982808
CCKBR	13.24641645	4.814717824	2.751234223
CCM2	5.736526946	13.87376161	-2.418494979
CCNA2	3.061407842	7.178926776	-2.344975628
CCNG2	10.39419816	48.39317889	-4.655787598
CCNI	93.56603054	247.6250241	-2.646526978
CCNL1	4.735297126	10.93826807	-2.309943343
CCNL2	7.928909282	16.78049506	-2.116368653
CCNY	46.61950305	18.02174387	2.586847498
CCNYL1	8.003856254	3.545979093	2.257163972
CCSER2	38.67453627	16.10211612	2.401829423
CD24	102.2701438	17.65234982	5.793571101
CDAN1	3.222419372	6.806116518	-2.112113829
CDC25A	3.669162457	7.360187998	-2.005958603
CDC42BPG	0.067026045	12.39776953	-184.9694317
CDC42EP3	8.747992577	3.29043669	2.658611425
CDC42SE2	28.99050715	8.551040351	3.390290065
CDH10	15.67232495	2.660210604	5.891385038
CDH12	10.63816593	1.548455262	6.870179713
CDH15	0.026438175	17.50844957	-662.2412421
CDH20	20.04402471	6.823865516	2.937341697
CDH3	20.96326873	1.503237106	13.94541729
CDH8	31.25564984	2.179439594	14.34114069
CDK14	19.11005157	4.549342098	4.200618718
CDK17	67.84255428	32.27634299	2.101928162
CDK18	6.091696895	2.627960665	2.318031992
CDK3	1.5641069	15.42036373	-9.858893745
CDK5R1	57.97056408	17.86821513	3.244339944
CDK5R2	30.14744319	8.468840398	3.559807692
CDKL1	19.09715919	5.199636571	3.672787305
CDKL5	9.629501802	3.396130837	2.835433104
CDKN1B	22.52321611	62.70653073	-2.784084227
CDKN2D	39.85587888	13.54849345	2.941720349
CDON	3.127271135	26.27699962	-8.402533227
CDR2L	3.432982756	14.85718703	-4.327777936
CEBPD	1.551299261	5.20377303	-3.354461103
CECR2	1.300726887	10.05372462	-7.729312523
CELSR3	3.668629491	13.53977193	-3.690689389
CEMIP	1.587087728	11.40268639	-7.184660426
CENPC	8.406662602	35.03726155	-4.167796807
CEP131	4.047594439	9.598227026	-2.371341094
CEP250	3.354032882	9.164539547	-2.732394067
CEP68	4.090829833	9.272639526	-2.266689132
CEP70	4.020382901	9.104730713	-2.264642681
CEP76	4.553023259	20.73334129	-4.553752554
CEP95	2.777687457	6.950908331	-2.502408366
CER1	0.093080874	15.73597258	-169.0569929

CERS6	9.522064806	24.7560841	-2.599865114
CFAP20	47.09709874	22.62236949	2.081881775
CHCHD8	5.860339039	15.96338552	-2.723969623
CHD1	3.225347527	9.650853645	-2.992190319
CHD5	23.08523054	11.16147133	2.068296362
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CHGA	104.3391432	38.91635696	2.681112811
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CHN2	5.731104922	147.5781805	-25.75038889
CHRM1	12.57067625	2.629104002	4.781353739
CHRM3	14.49935706	0.085605144	169.3748333
CHRNA7	9.809748224	0.782872853	12.53044883
CHST1	12.42999696	2.943438401	4.222951279
CHST15	5.246827114	0.544149292	9.64225662
CHST8	6.404378077	0.111274913	57.55455502
CIPC	33.81358044	84.71745243	-2.505426853
CISD3	23.82937813	8.019341047	2.971488304
CIT	18.65996487	8.124780539	2.296673096
CLCN4	46.56523012	16.831067	2.766623775
CLEC2L	14.67569585	5.604242833	2.618675938
CLIP1	16.42020491	37.20107445	-2.265567004
CLIP2	15.99350562	6.990117153	2.288016821
CLIP4	25.67221909	7.632824234	3.363397126
CLK1	93.31872334	200.9105397	-2.152949938
CLK2	16.1240498	32.90411667	-2.040685627
CLN5	4.70600735	16.1343044	-3.428448619
CLSTN1	342.5333832	153.9376159	2.225144135
CLVS1	4.822458877	18.97500435	-3.934715637
CMIP	29.90859151	14.34030469	2.085631523
CMSS1	21.78844348	6.253169651	3.484383871
CMTM5	8.481226397	4.005896852	2.117185417
CMTM8	4.982386746	14.279446	-2.865985064
CNDP1	6.804869237	2.44466036	2.783564273
CNIH2	17.93392598	8.392104317	2.136999887
CNKSR3	8.941171182	3.867417973	2.311922643
CNNM4	2.230176665	6.566921693	-2.944574659
CNOT2	17.99234922	37.00011043	-2.056435764
CNOT6	5.456866212	12.31359448	-2.25653223
CNOT6L	6.720341166	14.00607333	-2.084131294
CNP	68.77709257	29.06183846	2.366577485
CNPY1	0	7.790794045	#DIV/0!
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CNTNAP1	65.25187358	24.82089863	2.628908589
CNTNAP5	7.364982787	2.909700611	2.531182335
COA7	7.562671999	2.641318779	2.863218199
COG1	22.99472878	61.37702508	-2.66917804

COL11A1	8.133757798	3.204179994	2.538483422
COL11A2	15.4691739	3.210038159	4.819000002
COL13A1	4.738504726	13.33806055	-2.814824786
COL16A1	11.16101497	1.111357937	10.04268256
COL1A2	4.194527319	15.66152041	-3.733798642
COL21A1	6.63453403	1.040821966	6.374321685
COL23A1	5.451373293	1.345973114	4.050135353
COL24A1	6.920938111	0.472338973	14.6524816
COL5A2	4.869298616	12.72599804	-2.613517684
COL7A1	3.233033209	8.120147576	-2.511618982
COPRS	21.48915167	9.636505252	2.229973534
COPS9	86.82432404	30.14144302	2.880562951
CORO1A	36.28882324	10.32845975	3.51347869
CORO2A	2.703776571	12.5728142	-4.650093626
CORO6	5.685057361	22.72260186	-3.996899313
COX5A	182.8654139	86.46584827	2.114886022
COX6A1	355.5609273	169.0920267	2.102765779
COX7ALP1	18.37054463	9.135291836	2.010942284
COX7B2	28.25058726	0.34794349	81.19303297
CP	3.539083477	19.57540918	-5.531208662
CPE	466.7049942	203.254382	2.296162029
CPLX1	14.52934887	2.279472097	6.373997246
CPLX3	7.208218739	0.123130687	58.54120453
CPM	5.242746853	11.00609529	-2.099299393
CPNE4	62.68372217	0.328613296	190.7522395
CPNE5	32.3571526	1.702482266	19.00586763
CPNE6	34.60618963	3.544365531	9.763719154
CPNE8	7.025964485	3.289581917	2.135822929
CPT1B	9.437959782	26.84967301	-2.844859867
CPXM2	19.17763376	1.044982919	18.35210262
CRABP2	5.290186508	20.09252279	-3.79807456
CREBBP	8.479087519	17.6342908	-2.079739212
CREBZF	11.18171526	27.70251508	-2.477483502
CRHBP	13.15994795	0.858539022	15.32830496
CRHR1	8.506122537	63.78406382	-7.498606275
CRIM1	17.18409809	6.316544077	2.72049049
CRTAC1	25.98954368	0.397853417	65.32441994
CRTC2	4.235024018	11.67822761	-2.757535154
CRY1	5.373171082	18.26463086	-3.399227491
CRYGB	7.250244328	0.936426692	7.742457996
CRYM	109.9147049	9.022639326	12.18210115
CSMD2	5.655415861	1.941816129	2.912436341
CSPG5	33.78298004	5.060202784	6.676210713
CSPP1	5.672263385	12.87122449	-2.269151416
CSRNP3	7.615316081	1.817719624	4.189488841
CST6	5.450906765	11.60179379	-2.128415379
CTBP2	10.5529344	53.00697764	-5.022960972
CTC1	4.160522759	11.56613306	-2.779971107
CTHRC1	6.459491656	1.366308708	4.727695591
CTPS1	7.723667203	2.420239928	3.191281622

CTSB	54.43985333	26.48074622	2.055827765
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CTTNBP2	17.26865297	7.304957828	2.363963404
CTXN1	19.73858071	0.242085371	81.53561961
CUX2	26.59463591	1.722772617	15.43711321
CX3CL1	42.53582826	3.221847367	13.20231017
CXADR	9.969677164	1.752865724	5.687644538
CXCL14	103.3781222	9.069508142	11.39842653
CXXC5	8.082212783	17.99946483	-2.227046641
CYB5D2	1.703487655	5.96248617	-3.500164003
CYBRD1	5.164619645	14.23199083	-2.75567066
CYGB	1.756849104	5.633238175	-3.206443947
CYP26B1	0.60301905	17.26052612	-28.62351716
CYP46A1	53.64858531	11.28123355	4.755560201
CYR61	12.89226855	4.590464014	2.808489188
CYTL1	31.81106303	0.937934625	33.91607706
DAAM2	53.79215198	24.75239981	2.173209563
DAB2	6.652798806	13.41439254	-2.016353257
DAB2IP	7.705921172	17.65782316	-2.291461691
DACT1	3.504257325	8.742252733	-2.494751932
DACT3	30.15271446	3.196497317	9.433048574
DAP	4.228024305	9.406611795	-2.224824437
DAPK1	7.068892811	1.778508061	3.974619494
DBNL	34.86514842	15.27065809	2.283146424
DBP	9.959774739	28.69566724	-2.88115625
DBR1	3.53365329	8.019533685	-2.269473835
DBX2	11.01008934	1.440209276	7.644784359
DCAF6	50.75367186	24.26271689	2.091837945
DCLK1	106.643235	10.71347857	9.954118482
DCTPP1	10.34064441	3.668197766	2.818998613
DCX	6.681775797	2.836931031	2.355283129
DDAH2	3.115214573	8.115286416	-2.605048938
DDIT4	6.801741261	22.00078357	-3.234581077
DDIT4L	5.306819176	0.556709584	9.532473175
DDN	42.56852071	0.331173296	128.5385062
DDX17	102.7753662	219.1362099	-2.132186126
DDX39B	45.12259055	98.88523389	-2.191479538
DENND4C	3.492781924	9.099285848	-2.605168615
DESI2	5.631079628	22.56250826	-4.006781958
DGCR8	5.942794343	16.33870362	-2.749330143
DGKB	12.56054704	3.077953323	4.080811411
DGKD	5.835735806	13.59103347	-2.328932275
DGKG	11.13231627	1.496598432	7.438412356
DHRS13	1.670346165	5.125725155	-3.068660414
DIO2	29.64121291	0.122725959	241.5235791
DIP2B	15.30319599	32.3791895	-2.11584492
DIRAS3	59.01086928	1.617094992	36.49190034
DISP2	3.704699428	18.21907948	-4.917829322
DKK2	6.663989527	0.02296032	290.2393989
DLC1	10.8110342	24.93773589	-2.306692906

DLEC1	5.98018335	12.98061845	-2.17060543
DLG4	113.0646647	48.05448215	2.352843265
DLG5	3.922622924	8.699398308	-2.217750336
DLGAP1	42.45243589	16.07183567	2.64141799
DMTN	68.23185163	13.54291808	5.038194223
DNAH2	1.982368007	6.908595456	-3.485021666
DNAJA1	90.06249015	41.16863052	2.187648435
DNAJB1	42.8406749	15.95773705	2.684633464
DNAJB5	75.70760465	12.4804233	6.066108724
DNAJC15	8.882638211	2.70084911	3.288831715
DNAJC19	20.21432304	9.129143022	2.214262937
DNAJC24	2.222940095	5.326367977	-2.396091549
DNASE1L2	3.02001736	8.188231601	-2.711319381
DNMT1	9.891384674	21.55835975	-2.179508781
DNMT3A	5.172274503	11.42451414	-2.208798882
DOC2A	10.9171982	0.903635154	12.08142263
DOC2B	4.377247774	54.74306524	-12.50627519
DOCK10	10.08186259	3.684107542	2.736582056
DOCK3	41.25924914	16.10064888	2.562583003
DOCK4	21.37798512	5.041719822	4.240216807
DOCK6	3.34248157	8.76722797	-2.622969726
DOK6	8.635559543	0.755000089	11.43782585
DOLPP1	5.902331444	15.12562755	-2.562653029
DPCD	32.04425028	8.30040277	3.860565705
DPF1	9.174070761	2.930044859	3.131034234
DPP10	31.50314553	4.487669683	7.019934121
DPYSL3	72.10403543	10.10381012	7.136321307
DPYSL4	12.69218747	2.645725222	4.797243254
DRAP1	42.14134757	105.7666799	-2.50980773
DRAXIN	6.906111274	0.023527929	293.5282306
DRD1	7.452695089	0.78746686	9.464138074
DRP2	8.593802013	2.919144062	2.943945839
DSCAM	8.771607608	0.770330946	11.38680415
DSEL	1.571647433	6.415748907	-4.082180756
DSP	0.369134051	31.42682361	-85.13661514
DTNB	5.954667485	15.60787193	-2.621115615
DUS3L	2.764626959	7.914320657	-2.862708342
DUSP14	21.77246993	10.20661336	2.133172793
DUSP15	2.185428201	5.806966893	-2.657130027
DUSP22	5.779576827	1.792248241	3.224763565
DUSP26	2.906981237	11.73063027	-4.035330576
DUSP3	28.55053209	8.157587081	3.499874633
DUSP5	6.212394853	17.2271025	-2.773021179
DUSP6	52.77552149	5.69672883	9.264180035
DUSP7	13.58039487	5.516049236	2.461978544
DVL2	4.245300853	10.87923309	-2.562653029
DVL3	9.178052041	19.92638043	-2.171090374
DYNC1I1	88.76753111	37.3790063	2.37479644
DYNLT3	26.62330626	8.907260807	2.988944282
DYRK2	16.63984968	4.72850627	3.519049935

DZIP1L	0.982554192	9.704233247	-9.87653742
E2F3	7.156209826	2.777151397	2.576816602
E4F1	5.272700511	13.34920909	-2.531759401
EBF1	1.151287166	14.00238463	-12.16237359
EBF4	2.094180894	5.325589447	-2.543041751
ECE2	9.899236037	49.5088792	-5.001282828
ECM2	3.130221848	11.08781028	-3.542180338
ECT2	6.286613384	22.08197005	-3.512538263
EDIL3	25.90156801	4.616239526	5.610967079
EDNRB	4.122640421	17.18390399	-4.168179185
EDRF1	6.18299535	16.78587963	-2.714845909
EEF1A1	9.585604653	20.21920316	-2.109329969
EEF1G	139.4123047	291.2971129	-2.089464868
EEF2K	20.67334353	42.45654749	-2.05368558
EFCAB7	4.092713488	8.390377568	-2.050076946
EFHD1	7.022694588	2.244984671	3.128170396
EFHD2	8.499933265	3.854143274	2.205401476
EFNA1	5.476107444	12.00101012	-2.191522034
EFNA5	8.924761605	1.837348782	4.857412861
EFNB2	18.65093627	1.531542522	12.17787688
EFNB3	5.50031919	16.72423422	-3.040593398
EGFL8	2.576905571	5.941218122	-2.305562994
EGLN3	12.14946126	3.347456335	3.629460714
EGR1	113.0337078	4.914681596	22.99919243
EGR2	9.594911261	0.602078064	15.93632427
EGR3	54.57933363	0.191992551	284.2783914
EGR4	6.448569192	2.095308807	3.077622339
EIF3L	65.59185967	166.8576237	-2.543877007
EIF4E3	43.15714674	15.79224556	2.732806209
EIF5A2	10.85827505	4.425127463	2.453776788
ELFN2	7.952479168	0.366311448	21.70961137
ELL2	11.68891419	4.369251805	2.675266776
ELL3	0.510676522	5.451911704	-10.67586126
ELOVL7	8.03999449	3.450447757	2.330130771
ELP4	6.031176698	12.17354699	-2.018436468
EMC9	14.2806398	6.273100725	2.276488203
EML1	15.02800141	4.80688731	3.126347767
EML5	2.465251238	5.806626269	-2.355389252
EMX2	6.972847409	0.020048788	347.7939539
EN2	0	15.18632698	#DIV/0!
ENC1	440.52142	8.742080187	50.39091504
ENDOD1	17.59789835	2.908451691	6.050607066
ENPP4	11.00746601	3.527419457	3.120543543
ENTPD6	11.28153344	5.419803862	2.08153906
EOMES	0	30.42334209	#DIV/0!
EP300	8.774742783	18.38077327	-2.094736419
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EPB41	1.747377412	21.84178868	-12.4997545
EPB41L2	28.80347162	11.79834509	2.441314557
EPB41L4A	0.94441843	6.673033871	-7.065759896

EPB41L4B	8.317722996	25.34459022	-3.0470587
EPC1	9.061720166	22.3347448	-2.464735656
EPDR1	45.26590596	18.47491827	2.450127534
EPHA3	6.453496852	0.094187808	68.5173274
EPHA4	26.28489112	1.622369933	16.20153984
EPHA5	14.77900396	0.99928978	14.78950776
EPHB1	6.134729742	2.941359913	2.085678028
EPHB2	10.35895809	2.465012314	4.202396081
EPHB3	10.55306571	1.678626015	6.286728317
EPHB6	13.01288947	0.067809607	191.9033306
EPHX2	12.53216274	28.47569523	-2.272209181
EPOP	8.55090573	0.520762377	16.41997599
EPS15	69.75214271	21.59869127	3.229461537
EPS8	6.398335592	42.7307327	-6.678413798
ERBB4	3.253546773	7.198430217	-2.212487085
ERC1	4.516823619	12.54640619	-2.777705584
ERC2	16.11473387	2.245056284	7.177875218
ERCC6	2.708765429	8.72189796	-3.219879383
ERI3	50.28502998	22.4138574	2.243479517
ERICH3	7.966442988	1.334720973	5.96862052
ERMN	57.13471917	22.05719488	2.590298517
ESRRG	4.666074042	13.71938198	-2.94024095
ESYT1	5.351003519	12.19293515	-2.27862589
ETNPPL	11.27590101	27.81128787	-2.466435971
ETS2	11.28805147	2.920752962	3.864774467
ETV1	13.75776058	76.55875341	-5.564768552
ETV5	58.78137407	17.34699694	3.388561967
EVA1C	2.656178503	15.16116467	-5.70788622
EVI2A	20.22935242	7.075155577	2.859209554
EVL	33.814486	7.523129479	4.494736677
EVPL	0.471062613	5.78271238	-12.27588908
EXOC4	17.55014569	8.408353808	2.087227309
EXTL1	11.25742703	3.26863702	3.444073772
EYA1	0.223710888	5.393124096	-24.10756194
FA2H	7.848162297	3.193772002	2.457333301
FABP3	92.71123769	11.6377941	7.966392676
FADS6	14.45267833	5.02742045	2.874770168
FAM110B	2.739632325	6.003772931	-2.191452071
FAM117B	3.410976456	7.935218596	-2.326377417
FAM126B	9.570391735	20.79068672	-2.172396627
FAM131A	60.48809745	9.406611795	6.430380967
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FAM131C	1.979372262	5.302756735	-2.679009318
FAM13A	2.278945724	7.164683647	-3.143858834
FAM13C	22.59583003	8.921695003	2.532683534
FAM160B2	2.754962447	5.717258274	-2.075258151
FAM171A1	26.39135115	10.65470858	2.476966024
FAM172A	26.93588238	10.13546128	2.657588209
FAM193A	3.464878832	7.175112007	-2.070811811
FAM196B	0.614262131	6.81435316	-11.09355894

FAM19A1	77.07136031	3.633012599	21.21417369
FAM19A2	17.83588828	0.401041026	44.47397433
FAM19A5	6.946131317	2.804577472	2.476712227
FAM210B	6.557074249	16.70543974	-2.547697205
FAM212B	15.53059486	2.565157857	6.054440203
FAM214A	10.56610736	27.44028529	-2.597009888
FAM214B	5.499875239	2.549086181	2.157587013
FAM219A	23.44051522	11.14032742	2.104113671
FAM46A	1.32444113	8.889421578	-6.711828389
FAM49A	76.93963381	24.01730471	3.203508251
FAM57A	7.167680842	16.18500381	-2.258053082
FAM69C	6.729289383	2.58604721	2.602152566
FAM81A	22.01844112	2.411303292	9.131344527
FAM92A	24.85223763	9.364565049	2.653859255
FANCG	10.56828799	25.00878833	-2.366399208
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FANCL	10.71724754	3.696770523	2.899083801
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FARP1	9.508526626	20.49572209	-2.155509775
FAT1	2.382255166	15.96037302	-6.699690804
FAT2	0.010761339	109.1469573	-10142.5074
FAT3	5.790669333	0.471413365	12.2836342
FBXL16	129.4642626	32.81246206	3.945582091
FBXL17	37.53654059	18.76642928	2.000196203
FBXL2	7.918338201	2.013666464	3.93229879
FBXL6	2.816118667	6.311912374	-2.241351705
FBXO10	3.411116623	9.005531031	-2.640053691
FBXO32_2	12.15616301	3.177154765	3.826116104
FBXO34	33.94314141	16.96558219	2.00070596
FBXW4	2.720274989	7.161692222	-2.632708918
FBXW7	66.11293669	26.21690043	2.521767852
FCER1G	7.701625787	3.162884808	2.435000405
FDPS	19.36956656	7.234343532	2.677446332
FDX2	11.83113092	4.176454018	2.832817234
FGF10	8.750606088	0.215151227	40.67188554
FGFR1	4.107302681	54.22914151	-13.20310328
FHDC1	0.691898288	17.01816149	-24.59633417
FHOD3	12.28243774	2.310395879	5.316161551
FITM2	7.064430305	17.96142172	-2.542515241
FKBP1A	260.5699689	60.40692646	4.313577668
FKBP1B	9.423011312	4.101346842	2.297540704
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FLAD1	12.47910488	27.29956005	-2.187621653
FLCN	8.660163959	18.16002576	-2.096960964
FLRT2	8.078866902	0.835731935	9.666816077
FLT3LG	1.577185444	6.337015963	-4.01792699
FLVCR1	3.140450737	7.93947977	-2.528133836
FNBP1	15.47901856	34.66590081	-2.239541265
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FNBP4	13.97916704	37.26673798	-2.665876863
FNDC9	6.227582502	0.126236975	49.33247573
FNTB	8.482020496	20.39825163	-2.404881201
FOLH1B	34.68828926	9.185394589	3.776461526
FOSL2	14.38269716	5.376285617	2.675210764
FOXJ2	5.988667388	17.2568834	-2.88158989
FOXN3	3.307186358	17.08188331	-5.165080361
FOXO3	6.772799914	16.97710217	-2.506659341
FOXS1	2.347554384	7.93518488	-3.380192141
FPGS	3.411526613	7.499921928	-2.198406396
FRAS1	4.464471317	14.67090546	-3.286146202
FRG1	20.31775055	42.00413959	-2.067361714
FRMD3	2.188800707	5.625734879	-2.570236231
FRMD4A	12.71434615	4.250880655	2.990991088
FRMD4B	5.660022426	2.764360038	2.047498281
FRMD6	4.075559132	11.12041767	-2.728562465
FRMPD3	7.846701457	0.260833882	30.08313716
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FSTL5	12.29040992	101.2391046	-8.237243932
FUBP1	22.42467881	51.01627064	-2.275005634
FUT10	2.182043356	7.961647946	-3.648712077
FXYD6	13.92453491	33.89454639	-2.434160036
FXYD7	63.09484521	13.71023114	4.602026369
FYN	57.06137238	26.71929991	2.135586358
FZD7	0.705223632	8.797121316	-12.47422932
FZR1	8.332663056	22.76157079	-2.731608207
G6PC3	18.60714557	8.97266135	2.07375993
GABBR2	131.3798116	64.94263101	2.023013382
GABPA	3.12691775	7.112684609	-2.274663159
GABPB2	2.374078617	7.862831346	-3.311950703
GABRA2	28.44994454	5.072949292	5.608166553
GABRA3	23.7231897	4.047607831	5.86103958
GABRA4	30.24506388	2.21321602	13.66566282
GABRA5	91.5263372	0.137599197	665.1662144
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GABRB3	50.33206781	22.17773676	2.269486213
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GADD45B	13.77290741	4.160410017	3.310468766
GALK2	10.17964227	4.455396429	2.284789341
GALNT14	8.473348328	1.335911473	6.342746879
GALNT15	0.788388482	5.850305658	-7.420587432
GALNT16	6.425932764	23.74883435	-3.695780087
GALNT18	7.073024306	0.457248746	15.46865764
GALNT7	4.461701903	14.09171135	-3.158371324
GALT	27.20745947	11.58554115	2.34839781

GARS	68.45931483	30.82391597	2.220980452
GART	5.866677834	12.01386875	-2.047814639
GAS2L1	6.733087999	1.873401002	3.594045265
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GDA	69.46259004	0.00808295	8593.717272
GDAP1L1	24.35946157	74.01427506	-3.038419993
GDE1	50.657465	23.49256151	2.156319352
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GDPD1	30.86016616	15.36780666	2.008104789
GDPD3	4.854100012	11.74038763	-2.418653839
GFOD1	7.182131909	2.488999271	2.885550025
GFRA1	1.220774986	13.62833473	-11.16367462
GFRA2	14.55828103	2.729527354	5.333627086
GGA2	12.60048601	28.65725257	-2.274297401
GGT1	1.887354936	10.03343224	-5.316134263
GGT5	0.564993957	10.01034819	-17.71761991
GIGYF1	7.222658566	18.45682674	-2.555406236
GJB6	9.067339616	2.674022396	3.390898906
GJD2	8.551805257	2.512324889	3.403940825
GKAP1	6.968780731	19.85874223	-2.849672417
GLB1L	5.376070331	13.88593393	-2.582915228
GLCCI1	8.67452653	34.86476808	-4.019212802
GLCE	3.518728004	22.26831905	-6.32851389
GLDC	8.278774648	22.2207453	-2.684062103
GLG1	27.47659551	59.84462919	-2.178021989
GLIPR2	7.802321201	2.563248868	3.043918715
GLS2	5.929090309	2.644099751	2.24238526
GLUD1	103.657226	51.21169182	2.024092981
GLUL	474.7629807	149.9661308	3.165801359
GLULP	40.83996612	13.07417968	3.123711553
GMEB1	2.590030852	6.754011421	-2.607695355
GMPR	54.72147674	16.03638667	3.412332083
GNB3	3.648770243	18.99920574	-5.207016194
GNB4	7.278309114	2.407785196	3.022823268
GNB5	62.15150232	20.17662897	3.080370979
GNG13	8.245918768	49.48006662	-6.000552275
GNG2	70.91902451	35.37280209	2.004902646
GNG4	9.578368616	29.0237697	-3.030137059
GNG7	7.959389697	3.118370636	2.552419396
GPATCH8	18.38004285	41.30991544	-2.247541846
GPD1	2.699831918	10.41808289	-3.85878944
GPLD1	3.870095474	8.095962083	-2.091928258
GPNMB	3.055666408	9.213253664	-3.015137267
GPR137C	9.120207515	27.99900915	-3.069996938
GPR22	19.10338185	1.612127759	11.849794
GPR26	8.399253255	0.011648216	721.0763536

GPR27	8.099610267	3.698861161	2.189757851
GPR3	5.475413267	1.052689003	5.201358854
GPR37	24.88802627	11.07819492	2.246577754
GPR37L1	6.337915781	14.24812549	-2.248077441
GPR52	5.344988501	0.645573469	8.279442632
GPR61	10.1942203	4.422427568	2.305118658
GPRC5C	0.189139453	8.166365633	-43.17642625
GPRIN3	2.308143038	7.26983837	-3.149648116
GPSM1	3.825664864	7.93189493	-2.073337632
GPX3	7.365396618	25.01556431	-3.39636351
GRASP	17.51435171	0.837288672	20.91793701
GRIA3	52.84197668	12.83442996	4.117204802
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GRID1	20.06761916	7.159208035	2.80305015
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GRIK3	5.898982812	2.123085051	2.778495759
GRIN2A_1	23.74536182	6.82166129	3.480876697
GRIN2C	0.030028912	49.47552218	-1647.596209
GRIP1	5.966700727	1.555055215	3.836970334
GRK3	12.25376122	25.24051882	-2.059818072
GRK5	3.959347642	10.78016801	-2.722713179
GRM1	8.962981949	35.38405905	-3.947799878
GRM2	12.09742705	4.759773606	2.541597154
GRM3	42.94239833	19.92617429	2.155074913
GRM4	4.115586975	101.3291428	-24.62082406
GRM5	16.49716073	6.412543641	2.572639135
GRM7	9.504140644	1.428553878	6.652980187
GRM8	7.398706472	1.586803738	4.662647495
GSG1L	8.126618225	1.196140364	6.794033938
GSN	25.99865777	10.88962611	2.387470195
GTF3C2	8.120324595	18.64843282	-2.296513225
GTPBP2	5.618009977	14.70725773	-2.617876755
GUCY1B1	70.87654612	31.4767345	2.251712169
GUCY2D	5.833905	0.432904675	13.47618849
GULO	2.738932264	14.53342946	-5.306239098
H1F0	17.94527803	60.67812442	-3.381286393
H2AFJ	9.137083903	19.21449826	-2.102913627
H3F3B	139.0540729	354.0039002	-2.545800297
HABP4	42.66481776	20.96168953	2.035371132
HAPLN1	5.082391795	1.416788276	3.587262741
HAPLN2	11.1655149	5.18994823	2.151373078
HAPLN4	22.75081074	6.614995629	3.439278272
HAUS4	4.275202235	11.87812393	-2.778377087
HCK	1.839257826	11.48031981	-6.241821919
HCN1	28.42300744	11.80372421	2.407969463
HDAC6	6.8058937	15.4176316	-2.265335351
HEATR5A	5.907279844	14.30135427	-2.420971184
HECTD2	11.45338647	31.11523736	-2.716684487
HEMGN	1.618609042	7.417732979	-4.582782369

HEXDC	8.254152062	22.16379071	-2.685168694
HID1	24.99091457	60.67619522	-2.42793016
HINFP	14.22222473	28.45193286	-2.000526177
HIPK1	23.01653866	53.15537915	-2.309442786
HMGB3	10.32815246	2.696562048	3.830118602
HMGCS1	74.33343153	21.53150864	3.452309486
HMGN3	16.93452539	50.08838371	-2.957767198
HOMER1	41.12107221	7.512605862	5.473609686
HOMER2	6.505703439	2.052299388	3.16995828
HOMER3	3.71865243	22.47394076	-6.043571207
HOPX	56.70049387	21.50819684	2.636227216
HPCA	89.55913551	29.30352649	3.05625794
HPCAL1	3.783478716	42.10029006	-11.12740238
HPCAL4	139.427757	4.880315271	28.56941595
HPN	0.705337036	6.530784253	-9.259097315
HPS1	4.122563381	8.340386924	-2.023107022
HPSE	10.33150063	1.198111253	8.623156326
HS3ST1	8.461093984	3.262904435	2.593117314
HS3ST2	18.49269298	0.967376519	19.11633434
HS3ST4	23.70554646	2.544478288	9.316466393
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HS6ST3	10.36974704	0.048978927	211.7185417
HSD11B1	10.50944742	0.306322023	34.30849448
HSD17B6	29.97611618	11.20828869	2.67445968
HSPA12A	60.96268525	7.15179069	8.524114854
HSPA4L	27.17261603	13.39750485	2.028184825
HSPB1	7.990465638	3.844603316	2.078358931
HSPB3	6.76608347	0.139477347	48.5102678
HSPBP1	10.0910372	4.381363458	2.303172813
HSPH1	236.4206234	71.28048832	3.316764924
HTR2C	0.7294847	6.715622468	-9.205981242
HTRA4	2.034232236	10.64518056	-5.233021269
ICK	3.528510015	12.17057447	-3.449210692
ID2	48.33568894	104.8281951	-2.168753511
IDI1	112.2387597	45.49104158	2.467271704
IFFO2	4.118729959	14.06736186	-3.415461077
IFI27L2	23.85636933	5.285261614	4.513753732
IFI35	5.922329442	2.660183471	2.226286084
IFITM10	2.147206515	12.06699009	-5.619855384
IFT81	3.459292613	7.829721599	-2.263388061
IGFBP5	1.623777563	8.19047233	-5.044085172
IL13RA1	6.717900158	3.160682562	2.125458671
IL16	0.153027147	27.78924316	-181.5968195
IL18	5.708294554	2.052606932	2.780997406
IL1RAP	5.57323218	2.034201516	2.739764047
IL34	6.199739237	2.394256886	2.589421074
ILDR2	18.99348948	0.852980869	22.26719281
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IRF8	7.027465347	0.837947637	8.386520874
ITFG2	3.674529834	8.546578717	-2.325897218
ITGA10	4.612095684	10.31746617	-2.237045126
ITGA2B	1.320421669	7.156096107	-5.419553672
ITGA4	8.851154363	1.005830481	8.799847022
ITGB4	0.370183922	5.078927444	-13.72001091
ITGB8	8.518591038	3.947183798	2.158144002
ITM2C	112.5642081	50.84497208	2.213870979
ITPKA	14.35634904	3.167294854	4.532684736
ITPR1	30.0518022	120.5883972	-4.012684379
JADE3	2.308817403	11.16473185	-4.835692868
JAG1	6.877240877	2.782598066	2.471517881
JAKMIP1	13.38062058	6.075782059	2.202287779
JAM3	7.243413877	2.894215811	2.50272072
JAML	0.195114524	9.017611783	-46.21701965
JARID2	4.648235802	14.96524635	-3.219554038
JAZF1	18.78289582	7.377386735	2.54600938
JMJD1C	9.285216576	43.58194426	-4.693691731
JMJD7	2.264917772	5.648832566	-2.494056357
JUNB	7.455419968	2.506913728	2.973943572
KALRN	14.29225032	0.741070865	19.28594281
KANSL1L	2.958486407	15.16934514	-5.127400656
KARS	50.62031311	127.0518587	-2.509898712
KAT6A	5.399399839	12.67836291	-2.348105954
KCNA3	4.707147509	11.64597043	-2.474103564
KCNAB2	32.79445946	8.164245463	4.016838985
KCNB1	20.32166373	4.870651705	4.172267894
KCNC1	15.55209509	37.72524418	-2.425733894
KCNC2	24.57422512	1.637216041	15.00976322
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KCND3	4.51460036	27.4541281	-6.081186796
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KCNH2	2.246788442	11.71557657	-5.214365695
KCNH3	16.8429544	0.282917985	59.53299284
KCNH4	8.832695961	0.429706192	20.55519822
KCNIP2	26.82126735	3.754119976	7.144488593
KCNIP3	17.87839824	7.501079996	2.383443218
KCNIP4	22.80667048	47.25788649	-2.072108093
KCNJ4	14.35939486	0.263205099	54.55591433
KCNMA1	22.24759763	8.785227942	2.532387068
KCNMB4	33.21587168	4.343335689	7.647548809
KCNQ3	44.34791378	10.68467081	4.150611149
KCNQ5	10.42529645	0.276502944	37.70410645
KCNS2	7.911108626	0.429187544	18.4327545
KCNS3	5.359371177	1.004119528	5.337383673
KCNT1	4.89067397	13.25846621	-2.71096914
KCNV1	23.1020453	3.192244689	7.236928102

KCTD1	16.95687068	7.956564726	2.131179882
KCTD11	2.270975952	5.049090083	-2.223312879
KCTD13	52.4699974	24.11081324	2.176201893
KCTD17	9.796874539	2.70874007	3.616764357
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KCTD4	8.012207602	1.925747466	4.160570242
KDM3B	13.74188392	29.08967426	-2.116862174
KDM4A	9.924697501	31.71040413	-3.195100316
KDM6A	8.570486734	18.38429094	-2.145069646
KHDRBS3	59.61801423	7.871505467	7.573902411
KHK	5.742818129	14.2982461	-2.489761261
KHNYN	6.630448184	30.56443486	-4.609708727
KIAA0319	16.38655901	7.303747363	2.243582396
KIAA0930	8.506420985	3.39087311	2.50862262
KIAA1211_1	11.41141365	3.450577028	3.307103002
KIAA1211L	7.029995758	0.168975167	41.6037212
KIAA1217	7.138226968	0.596796652	11.96090318
KIAA1324	5.370346186	0.882650765	6.084338673
KIAA1841	16.78786247	7.138254481	2.351816191
KIF13A	9.136129298	20.61106471	-2.255995295
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KLF10	34.24629713	15.3199471	2.235405704
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KLHDC1	6.330548832	13.27528931	-2.097020284
KLHDC9	17.33088495	6.834035114	2.535966624
KLHL23	40.84411824	14.09299195	2.898186446
KLHL29	5.948858524	2.01221465	2.956373727
KLHL32	11.9061315	3.653490948	3.258837005
KLK6	31.28548436	14.7711859	2.118007625
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KMT2C	5.535970541	12.81379058	-2.314642118
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KNTC1	0.085855341	17.27578726	-201.2197142
KREMEN1	2.326910626	9.659372903	-4.151157675
KRT222	40.87306187	6.888524182	5.933500528
KRT7	0.905865878	5.692364273	-6.283893022
KRTCAP3	4.785257801	26.62749358	-5.56448465
L1CAM	25.47077964	58.03785362	-2.278605305
L3MBTL3	10.01905192	3.158135732	3.17245767
LAMB1	21.80563402	2.130983801	10.23266062
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LAMP5	75.09912813	20.14629369	3.727689534
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LBH	9.916093897	2.905725696	3.412604952
LCAT	4.132829224	18.96502025	-4.588871018
LCN2	5.701203505	0.199540049	28.57172553
LDB2	63.79264324	1.46502243	43.5437997
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LEAP2	3.078043382	7.229081235	-2.34859628
LENG8	15.15907486	31.17100479	-2.056260364
LGALS3	34.73440572	11.15127375	3.114837506
LGI2	13.60469726	4.453916989	3.05454666
LGI4	11.26005486	3.711560122	3.03377946
LGR4	8.74229624	27.33987642	-3.127310683
LHFPL2	1.91782716	6.676154637	-3.481103395
LHFPL3	12.9919949	6.320539828	2.055519822
LHX1	0.186924705	13.93623683	-74.55535012
LHX2	16.24738581	0.152395971	106.6129614
LIFR	4.683742668	10.41546112	-2.223747515
LIG1	1.869372134	5.58656056	-2.98846894
LIMA1	6.767755181	63.77408552	-9.423225843
LIMD1	0.965685334	5.345185215	-5.535121043
LIMK1	19.88747577	6.331058721	3.141255933
LIMS2	2.625554246	7.143524022	-2.720768018
LIN7A	6.247855519	18.85676552	-3.018118051
LIN7B	23.67327692	6.871883928	3.444947145
LIN7C	22.41917502	57.60177671	-2.569308489
LINGO1	69.93195279	14.26536152	4.902220858
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LMO3	24.66241149	4.298696114	5.737184214
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LNX1	3.817512499	10.03612542	-2.628969891
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LOC516421	18.7007622	6.647077629	2.813381043
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LOC521224	1.844611752	40.04925195	-21.71148042
LOC521656	5.445925736	1.423025814	3.827004178
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LOC527981	11.44632203	0.06597841	173.485873
LOC530929	11.81224026	3.290509329	3.589790844
LOC531747	3.553264509	12.9808451	-3.65321666
LOC534742	3.406816728	9.195536603	-2.699157993
LOC539383	9.559345532	24.74726648	-2.588803428
LOC574091	16.35193054	6.826185468	2.395471177
LOC613512	8.888159446	4.080638143	2.178129776
LOC613988	67.04836421	26.42033231	2.537756279
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LOC781280	30.99638743	8.346427481	3.713731115
LOC781692	2.173231039	5.346401486	-2.460116476
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LOC782402	12.19753035	26.71756878	-2.190408059
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LOC784446	5.191339777	10.80269064	-2.080906107
LOC784697	31.6694902	14.45996164	2.19015036
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LOC786055	3.556399196	7.699340609	-2.164925866
LOC786332	7.596451741	3.737750865	2.032359035
LOC786733	16.94865142	1.099391095	15.41639866
LOC787045	10.25059026	4.090013908	2.506248265
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LOC788205	12.13816544	2.707054507	4.483901379
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LPCAT2	19.64286995	6.724193022	2.921223392
LPIN2	12.69130476	6.046323312	2.099011929
LPL	12.09853049	3.363356519	3.597159688
LPXN	2.987889928	6.120393019	-2.048399763
LRCH4	11.18312995	30.24859509	-2.704841599
LRMP	15.01440728	0.533603076	28.13778245
LRP11	35.42965061	17.69987899	2.001688861
LRP3	2.787496828	6.132105604	-2.199861016
LRRC1	6.106587093	2.909918473	2.09854233
LRRC34	6.373408757	2.114066682	3.014762406
LRRC3B	4.367010702	25.79409136	-5.906578462
LRRC4	20.21292712	8.584533966	2.354574774
LRRC45	3.136248874	9.111307455	-2.905160854
LRRC4C_1	15.84336886	5.670340755	2.794077031
LRRC7	14.19591631	0.33545384	42.3185387
LRRC73	29.13523312	5.610296878	5.19317137
LRRC8B	25.08838364	3.483701737	7.201645129
LRRC8D	34.78257184	14.32393969	2.428282484
LRRN4CL	10.75107064	25.78658771	-2.398513466
LRRTM1	5.808589187	0.207783035	27.95506958
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LRRTM4	5.50813486	1.077397016	5.112446737
LSP1	5.812896589	1.385031444	4.196941965

LTBP1	10.35723181	1.106480266	9.360521036
LTBP2	0.071769674	5.810171345	-80.95579922
LTBP3	8.088052116	26.10036848	-3.227027733
LUC7L3	81.82616449	164.5148385	-2.010540755
LURAP1	4.025052729	16.23354913	-4.033127073
LURAP1L	2.538587463	6.67572954	-2.629702398
LUZP1	13.03296414	3.510253128	3.712827442
LUZP2	6.476602178	3.184353725	2.033882771
LUZP6	97.34824429	33.90384152	2.871304251
LXN	11.83056063	0.460440634	25.69399777
LY6E	50.90496697	13.98418107	3.640182196
LYNX1	14.45258339	3.409290762	4.239175945
LYST	3.550189351	7.551864414	-2.12717229
LZTS1	8.572399913	0.034211889	250.5678663
MAB21L1	0.656118776	34.01458662	-51.84211743
MACROD1	2.596587735	7.895167523	-3.040593398
MAFB	7.161517764	1.105121894	6.480296702
MAG	33.43788799	10.82291117	3.089546562
MAGEE2	25.75196022	11.78844639	2.184508405
MAGEL2	6.489102747	0.861368533	7.533480148
MAGI3	9.804682759	4.710874884	2.081287022
MAL	9.054199529	3.072032713	2.947299191
MAML1	3.824385391	8.231903997	-2.152477628
MAML3	0.804251935	5.455130044	-6.782862195
MAN1A1	5.703473092	1.739024888	3.279696072
MAN1A2	10.47320533	4.123058269	2.540154577
MAN1C1	9.785375268	23.97541146	-2.45012693
MAN2A1	6.587139315	3.056103654	2.155404417
MAN2C1	3.667683734	8.499950417	-2.317525456
MANF	83.13036905	35.02567407	2.373412397
MANSC4	2.01153302	5.463061844	-2.715869831
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MAP2K4	44.38109565	21.52441708	2.061895357
MAP3K3	4.00237192	8.473637405	-2.117153921
MAP3K5	7.519397274	3.022101756	2.48813504
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MAPK10	56.90977131	26.4281024	2.153380914
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MAPKBP1	9.457148208	59.17775447	-6.257462944
MARC1	6.892305114	3.182827335	2.165466231
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MAST3	47.5840991	4.006202997	11.87760559
MAST4	5.18508934	2.137251959	2.426054316
MATK	8.156042101	1.201671825	6.787245844
MATN2	18.08551854	3.892453936	4.646302524
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MB21D2	3.352740272	14.53512714	-4.335297683

MBD6	4.383704068	11.46525218	-2.615425677
MBOAT7	15.82202447	2.140097672	7.39313195
MBP	216.2528941	98.99717686	2.18443496
MBTD1	5.063423815	12.2565692	-2.420608988
MCAT	8.547594619	4.206158822	2.032161642
MCM3	2.840173878	5.746448155	-2.023273364
MCUB	2.844506382	32.03584905	-11.26235795
MDC1	6.434140594	21.99910714	-3.419121299
MDH1	569.9958994	265.7712464	2.144686106
MDK	2.499602391	8.636675598	-3.45521977
MDM1	4.454836505	11.58671188	-2.600928646
ME3	44.68135823	21.6109702	2.067531342
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MED12	9.562739484	19.61888406	-2.051596626
MED24	8.910816742	19.81345302	-2.22352828
MEF2A	51.01354978	25.32563224	2.014305084
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MEIS1	1.189738597	26.49033731	-22.26567867
MEIS2	17.26984839	0.1929945	89.48362958
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METTL17	13.85599426	31.68593899	-2.286803704
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MKKS	11.73613599	5.208968639	2.253063285
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MLLT11	147.9947267	67.61385574	2.188822469
MMACHC	12.51264138	4.853811686	2.577900047
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MOBP	21.4899664	10.22804267	2.101082982
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MT3	576.7839055	184.842087	3.120414376
MTCH2	50.08881319	125.4000248	-2.503553525
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OMG	101.4136014	23.22508937	4.366553762
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PKN2	5.029185203	10.68927639	-2.125448946
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PLA2G4B	1.926392174	6.140481799	-3.187555412
PLA2G7	31.75120451	12.39092936	2.562455454
PLA2R1	2.187323633	5.226586194	-2.389489198
PLCB1	102.7144599	23.31325043	4.405840369
PLCB2	8.172402173	3.865957746	2.113939859
PLCB4	13.40281483	46.4680367	-3.46703564
PLCD1	3.288935489	8.455551346	-2.570908239
PLCL1	18.28270783	4.750331061	3.848722878
PLD3	121.7186398	35.278863	3.450186016
PLD5	9.014157564	20.27443167	-2.249176535
PLEKHA5	16.97744882	5.648273805	3.005776527
PLEKHD1	2.486098577	32.62398019	-13.12256098
PLEKHG3	5.079647599	1.518187347	3.345863479
PLEKHH1	31.6094465	11.98016771	2.638481134
PLK2	118.7409526	5.686547605	20.88102675
PLLP	58.87218947	15.99734096	3.68012344
PLP1	1431.161963	485.4475682	2.948128813
PLPPR3	6.021096469	1.855987843	3.244146502
PLPPR4	70.92840238	5.845797014	12.13323046
PLPPR5	15.98276423	2.369543589	6.745081334
PLS3	20.62899239	9.174173054	2.248594208
PLTP	9.702506882	24.43604737	-2.518529248
PLXDC1	4.473469087	15.63586438	-3.495243641
PLXNA2	8.131125332	3.492236353	2.328343362
PLXNA4	13.9015295	1.433276725	9.699124575
PLXNB2	5.395767535	17.15565473	-3.17946513
PLXNC1	6.019581363	35.48928399	-5.895639887
PLXND1	10.95802622	2.307244409	4.749399837
PMEPA1	33.71928548	1.621607534	20.79374003
PMF1	2.725985282	12.11242625	-4.443320485
PMM1	12.22051693	4.757419526	2.568728039
PMP22	20.1280829	8.93141156	2.253628418
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PNISR	47.33085692	121.9079442	-2.575654703
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PNPLA2	6.959706894	19.04547495	-2.736534058
PNRC1	15.12676261	30.77289109	-2.034334238
POGZ	12.50408474	28.1451655	-2.250877699
POLA2	2.617544623	5.567520421	-2.127001149
POLB	7.522967383	30.46185265	-4.049180476
POLE3	19.68172828	43.36309705	-2.203215919
POLR1C	26.11807888	10.1287469	2.578609096
POLR2L	8.491154156	3.614540617	2.349165511
POR	10.30593024	24.78542138	-2.404966927
POU3F3	11.73904754	3.595741677	3.264708255
PPARD	9.303521934	4.327258543	2.149980603
PPARGC1A	10.83580296	3.646822349	2.971299922

PPARGC1B	3.398169571	7.094407962	-2.087714522
PPFIA1	8.543380871	18.7464356	-2.194264295
PPFIA4	6.811441428	52.43290234	-7.697768952
PPFIBP1	34.55596486	5.108304852	6.76466379
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PPM1D	4.180180019	10.70649774	-2.561252792
PPM1E	23.19613211	9.445492646	2.455788488
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PQLC2	1.725852266	6.185684238	-3.584133103
PRDM8	15.11608627	4.688408444	3.224140228
PRICKLE1	24.06981918	4.759218523	5.057515024
PRICKLE2	14.67227732	4.021183988	3.648745584
PRKAR2B	57.21740981	7.028934791	8.140267554
PRKCA	18.93623422	2.801137861	6.760193591
PRKCD	5.366217536	2.138967862	2.508788296
PRKCG	77.70951671	33.47840596	2.321183297
PRKCQ	25.56525873	1.102504667	23.18834513
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PROSER2	0.308876475	9.189395413	-29.75103694
PROX1	1.516258271	7.751510038	-5.112262326
PRPF3	13.36826484	39.38899415	-2.946455252
PRPF38B	21.0798345	48.18030382	-2.285611105
PRPF39	19.37668338	49.15451941	-2.536787047
PRPF6	15.09282786	37.05749742	-2.455305112
PRPS2	11.61421643	3.241599136	3.582866339
PRR13	42.63036322	18.5973527	2.292281267
PRR14	3.064345503	9.676127839	-3.157649106
PRRG1	5.198763957	2.320240747	2.240614024
PRRX1	5.642805959	1.335553728	4.225068481
PRSS55	5.345532093	17.72309221	-3.315496363
PRUNE2	11.5879478	23.99425636	-2.070621716
PSD	33.93270624	12.86369353	2.637866501
PSD2	17.98721584	36.09244587	-2.006561003
PTCH1	3.495826232	14.62845238	-4.184547917
PTCH2	0.945241689	5.689735096	-6.019344218
PTH	31.74344415	2.533304638	12.53044883
PTN	115.688026	45.51859448	2.541555321
PTPN2	5.979022649	20.80923932	-3.480374727
PTPN5	24.77200802	1.898801638	13.04612737
PTPRE	7.775751755	3.351030132	2.320406397

PTPRJ	12.07932309	5.655844482	2.135724051
PTPRK	35.72278656	3.666224768	9.743752449
PTPRS	42.55452084	10.20195136	4.171213852
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PUS10	3.022388189	7.374297136	-2.4398908
PVALB	20.02820811	318.6476374	-15.9099424
PWWP2A	3.146454852	6.464542068	-2.054547855
PXN	4.533208466	15.7746145	-3.479790222
PXYLP1	18.03565084	7.706728346	2.340247383
PYCR2	14.21500074	5.978663283	2.377621897
QPCT	22.28602634	9.833152985	2.266417128
QSER1	3.84114745	8.633388512	-2.24760664
R3HDM1	68.5668931	13.04852009	5.254763961
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RAB11FIP4	23.34284967	3.938281343	5.927166609
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RAB27A	1.646061764	6.224974386	-3.781738039
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RAB3A	357.0651456	122.0377288	2.925858661
RAB3B	9.863828946	21.28046696	-2.157424573
RAB3IP	15.35588428	78.77609805	-5.13002681
RAB6B	111.9966767	47.54598554	2.355544331
RAD52	1.971523966	8.119961915	-4.118621966
RAI14	5.173314291	1.044123352	4.954696475
RAMP3	14.90656136	3.044202451	4.896704998
RAP1GAP	90.05422753	19.71069615	4.568799947
RAP2A	29.51522037	14.48496166	2.037645737
RAP2B	5.469270486	1.320513223	4.141776389
RAPGEF3	6.381522837	2.535457542	2.516911733
RAPGEF5	22.26799625	2.440306369	9.125082216
RAPGEFL1	12.36557237	1.709851797	7.231955655
RARB	8.389508223	0.878646203	9.548221109
RASA1	30.33886307	15.03953802	2.017273604
RASAL1	3.174681925	18.62398506	-5.866409767
RASAL2	7.616811496	1.161346165	6.558605631
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RASGEF1A	15.46271173	3.783818093	4.086536759
RASGEF1B	24.08602236	1.611039811	14.95060656
RASGEF1C	1.629903307	6.948036138	-4.262851734
RASGRF2	66.24036411	0.634449129	104.4061077
RASGRP1	33.34308297	0.430652423	77.42457996
RASL10A	10.37722294	0.313959359	33.05275874
RASL11B	9.857526435	1.391139358	7.085937423
RASSF3	7.849166511	3.688400962	2.12806758
RASSF5	10.54092294	1.061398624	9.931163185
RASSF9	0.305110279	6.976426583	-22.86526235
RAVER2	7.473591539	2.24713504	3.325831072
RBFOX1	26.71187799	8.393573317	3.182420285
RBM33	5.627543058	13.27240926	-2.358473161

RBP4	15.27794422	4.908348896	3.112644302
RC3H1	2.893796114	8.117282852	-2.805063844
RCAN2	97.9915666	31.44816	3.115971383
RCE1	17.17714946	64.58568164	-3.759976694
RCN1	6.97069295	39.78598365	-5.707608115
RCOR1	2.334953448	5.054425481	-2.164679336
RCOR3	9.307050538	25.22378557	-2.71018036
RELL1	3.213302572	8.62042102	-2.682729319
RELN	10.41178447	131.3890221	-12.61926066
RETREG1	22.44439908	11.09771118	2.022434961
RETSAT	1.16056394	5.069334281	-4.367992236
REV1	8.832115544	21.05103027	-2.383464093
REXO2	23.81988069	8.238942346	2.891133315
REXO5	4.542422305	9.257100201	-2.037921527
RFC2	30.34214042	14.70419423	2.063502423
RFC3	11.78659793	29.11479389	-2.470160946
RFLNB	3.090996448	9.386096993	-3.036592617
RFX7	5.684224652	12.09210629	-2.127309708
RGCC	30.42523454	12.35078815	2.463424534
RGL1	21.12886968	6.642824392	3.180705741
RGMB	5.796849093	12.43087045	-2.144418502
RGS10	3.390583582	9.65263998	-2.846896337
RGS17	6.426864083	1.915782889	3.354693332
RGS4	280.8295661	4.528911512	62.0081813
RGS7BP	32.68476198	8.994488896	3.6338654
RGS8	2.831105033	11.16368967	-3.943226954
RHBDD2	39.92642563	17.71192447	2.254211602
RHCG	1.134602922	5.699778865	-5.023589092
RHO	2.383079747	8.099612139	-3.398800291
RHOBTB2	20.91767918	10.05210564	2.080925123
RHOF	1.893835409	6.09130925	-3.216387877
RHOQ	23.61947301	11.0395717	2.139528023
RHOU	24.19439177	7.863421765	3.076827429
RHPN2	9.584605765	24.57704141	-2.564220377
RIC3	2.717814228	8.091734165	-2.977294799
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RIIAD1	9.05614249	1.633494317	5.544030606
RIMBP2	11.60604542	1.424730767	8.146132371
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RIPK3	0.498855307	5.777091083	-11.58069485
RIPOR2	5.498627008	2.248617408	2.44533685
RIPPLY2	8.443249196	25.53556783	-3.0243769
RITA1	5.071472715	18.06190515	-3.561471423
RMND5A	28.26291131	178.4905262	-6.315362356
RND1	66.62052888	9.534272955	6.987478668
RNF103	19.80395464	59.15582993	-2.987071572
RNF122	1.354491536	7.425161999	-5.48188143
RNF152	3.111767995	13.35084552	-4.290437316
RNF157	19.70535418	8.943700086	2.203266433

RNF43	0.128792248	9.02257594	-70.05527189
RNFT1	5.368116887	11.45306109	-2.133534223
ROBO2	15.46125474	1.214931267	12.72603246
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RORB	6.873530252	1.73255514	3.967279362
RPF2	16.36845975	7.290026994	2.245322242
RPH3A	80.03149926	28.0645504	2.851693618
RPL13A	235.0380678	555.8628076	-2.364990543
RPL14	405.2154279	958.83118	-2.366225751
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RPP40	9.154323299	3.229147068	2.834904421
RPRD1B	7.960953257	16.51556704	-2.074571537
RPRM	11.77670855	1.207582728	9.7522996
RPS19BP1	16.14162084	7.286739628	2.215204833
RPS6KA1	4.181601058	56.94020514	-13.61684301
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RPS8	342.0308373	711.3053207	-2.079652602
RRAGD	7.277852119	30.95817564	-4.253751675
RSBN1L	6.290064836	12.99948182	-2.06666897
RSPH10B	6.494189083	20.08816155	-3.093251719
RSPO3	8.674955401	0.044145627	196.507695
RSRP1	23.82592509	52.74459786	-2.213748161
RTL5	26.54305364	81.85400747	-3.083820293
RTN2	35.04458529	13.80302698	2.538905802
RTN3	574.0590851	284.1665356	2.020150205
RTN4IP1	9.770515629	4.847899613	2.015412118
RTN4RL1	13.49033014	4.816864149	2.800645757
RTN4RL2	6.681748086	0.066429904	100.5834366
RTP5	5.069667751	0.246636773	20.55519822
RUNX1T1	9.235246591	26.83064566	-2.905244099
RYR1	2.109661902	10.75621966	-5.098551408
S100A10	58.14472448	28.76928119	2.021069769
S100B	427.7457502	1276.75613	-2.984848194
SALL2	21.26468363	53.59764565	-2.520500496
SAMD14	4.300999001	23.70911658	-5.512467355
SAP25	3.832166797	10.81456917	-2.822050747
SARS	144.8591815	71.56294402	2.024220545
SATB2	15.68556923	0.502686779	31.20346484
SBK1	4.021203892	9.674799625	-2.405946051
SCAND1	5.222110773	2.505569058	2.084201494
SCARA3	15.58650215	6.210502274	2.509700739
SCARB1	22.64650363	10.22946429	2.213850403
SCD5	113.1956521	47.25233893	2.395556594
SCG2	78.11526602	28.74345649	2.717671274
SCML2	1.68893009	5.896589751	-3.491316655
SCN1A	39.5283443	13.29019866	2.974247812
SCN4B	20.96664924	9.425529151	2.22445328
SCN8A	41.01642016	18.49071119	2.218217555

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SCRG1	21.52437979	3.779607461	5.694871759
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SDC3	41.77803987	16.1722885	2.583310326
SDCBP	34.54362745	14.14797816	2.441594626
SEC14L2	23.55394827	8.282955096	2.843664851
SEC31B	0.880436475	5.653928191	-6.421733256
SEL1L3	8.899659987	67.691827	-7.60611384
SELENOH	36.91393156	15.56133351	2.372157344
SELENOM	3.935414086	10.38176388	-2.638035962
SELENON	2.874684204	5.805581786	-2.019554627
SELENOW	522.1663023	198.0839037	2.636086489
SEMA3D	18.59199673	6.754554147	2.752512797
SEMA3E	7.305821276	0.299843723	24.36543009
SEMA3F	2.067690003	7.764145454	-3.754985245
SEMA4A	17.98294052	1.516389241	11.8590531
SEMA4C	4.306366623	9.548482006	-2.217294262
SEMA4G	4.79743392	14.14163992	-2.947750851
SEMA5A	10.85500105	3.38190429	3.20973041
SEMA6B	19.29852736	5.882037	3.28092587
SEMA6C	1.377031901	13.98766179	-10.15783424
SEMA6D	14.36185941	5.991178015	2.397167865
SEMA7A	43.91299695	19.63511551	2.236452183
SEPT3	30.84905174	92.74923678	-3.006550657
SEPT4	29.84299352	68.1813656	-2.284669115
SEPT9	12.99194951	4.990628636	2.603269138
SERGEF	2.57633529	7.411779484	-2.876869138
SERHL2	12.6385418	3.295404342	3.835202145
SERPINF1	10.91268301	102.3574032	-9.379673456
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SERTAD1	14.60478515	4.089594527	3.571206155
SERTM1	24.59969686	0.793464143	31.00290932
SESN1	15.42349724	48.75780157	-3.161267567
SESN2	2.019237879	5.025093053	-2.48860875
SETD7	36.01046952	16.07177879	2.240602611
SF1	20.28720939	41.03620509	-2.022762436
SFI1	4.498476902	11.73175692	-2.607939792
SFRP1	6.577482123	2.215146974	2.969320862
SFRS18	20.85130322	47.38806428	-2.272666786
SGK3	15.63694207	4.828197904	3.238670489
SGSM2	21.2426465	9.301799713	2.283713599
SGTB	50.34768545	23.47551974	2.144688851
SH3GL3	13.22016371	5.083201943	2.600755165
SH3KBP1	12.91154911	3.134261416	4.119486986
SH3PXD2A	7.804918461	1.480123155	5.273154761
SH3RF1	12.84256465	1.065707157	12.05074449
SHC3	12.84544598	2.885603868	4.451562506
SHD	1.408532631	5.424848355	-3.851418304
SHF	5.663326787	34.91700301	-6.165457924

SHISA4	48.6926158	10.72762728	4.538992132
SHISA6	2.627780471	8.835634945	-3.362394631
SHISA7	6.276490051	0.782752614	8.018484944
SHPRH	6.837907479	14.41690469	-2.108379607
SIDT1	1.181499411	7.700758925	-6.517784822
SIDT2	11.42286893	27.65518547	-2.421036749
SIL1	10.57000793	4.82397268	2.191141748
SIN3A	8.265580779	19.57715061	-2.368514824
SIPA1L3	2.450368802	7.947280216	-3.243299624
SIRT1	9.537257802	26.05225834	-2.731629875
SIRT7	10.68137245	23.8122291	-2.229322984
SKI	10.47307788	44.3483141	-4.234506283
SLA	2.13359049	13.69384553	-6.418216425
SLC10A4	7.170444292	0.140283575	51.11392624
SLC12A6	11.62027704	24.28636134	-2.089998479
SLC13A3	1.71003093	5.185456028	-3.032375578
SLC15A2	5.535149034	2.019616513	2.740693096
SLC16A2	11.29556081	3.988475725	2.832049533
SLC16A9	1.029443458	13.77252352	-13.37861095
SLC17A6	17.33821556	134.6545437	-7.766343841
SLC17A7	309.6406745	145.4077321	2.129464987
SLC1A1	22.86972336	6.232281925	3.669558539
SLC1A2	91.54102132	2.846657355	32.15737263
SLC1A6	16.90324873	141.5602769	-8.37473785
SLC22A6	2.199380909	7.933455747	-3.607131313
SLC24A2	38.33888458	7.123579741	5.381968893
SLC25A1	7.290477048	15.43278937	-2.116842186
SLC25A10	2.803410582	7.883372	-2.812064722
SLC25A13	11.09267643	4.507329867	2.461030535
SLC27A3	3.03145564	7.038760149	-2.321907686
SLC2A12	6.422644436	2.704779695	2.374553628
SLC2A13	18.87809912	6.132705058	3.07826627
SLC30A3	11.28301008	0.326733771	34.53273301
SLC30A4	7.999712428	3.535526299	2.26266523
SLC35F1	40.07962798	3.890501577	10.30191794
SLC35G2	24.02131286	61.77016401	-2.571473274
SLC38A3	14.46664746	4.413939759	3.277490916
SLC38A4	0.401955355	5.051688901	-12.56778604
SLC39A10	90.80123579	32.2903551	2.812023451
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SLC41A2	7.958636046	3.957583845	2.010983559
SLC44A1	21.56215463	10.77085811	2.001897566
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SLC8A1	11.24986927	2.28878925	4.915205393
SLCO1C1	69.67342183	2.795223876	24.92588247
SLF1	3.428499104	7.846678593	-2.288662868
SLIT1	12.1372584	0.22681363	53.5120327

SLIT2	32.39569462	0.876372689	36.96565975
SLITRK1	27.63050735	11.14279518	2.479674706
SLITRK3	8.304937046	0.667615464	12.43970144
SLITRK5	11.28519106	1.512258267	7.462476024
SMAD1	7.341346343	22.36592549	-3.046569994
SMAD3	7.333105608	2.819913757	2.600471589
SMAP2	70.01334662	30.33839307	2.307747363
SMARCC2	30.5293153	62.84605807	-2.058547906
SMARCD1	14.26639187	29.83037855	-2.090954659
SMARCD2	7.362294896	25.44184891	-3.455695441
SMC3	10.9000021	28.54636375	-2.618931949
SMC5	6.412161186	14.74096186	-2.298906941
SMG1	7.288431737	30.41900824	-4.173601309
SMIM10L1	5.598898058	1.920145732	2.915871418
SMIM13	9.836086965	4.888114242	2.01224572
SMIM4	6.092889242	2.130489862	2.859853665
SMOC1	1.789765	22.18692194	-12.39655594
SMOC2	31.53989239	3.552740502	8.877623447
SMOX	12.55064775	5.629059364	2.22961723
SMPD3	8.268468078	2.982698249	2.772143673
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SMYD2	85.55571296	10.65470858	8.029850119
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SNCB	142.5255949	66.5916954	2.140290829
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SNTA1	13.34234104	5.769761291	2.3124598
SNX10	52.70146165	10.98213307	4.798836556
SNX7	6.559685886	1.151207405	5.698092158
SOGA1	6.854454357	35.05204646	-5.113761743
SORBS2	12.08552208	1.274698186	9.481085179
SORBS3	17.46456524	8.578504053	2.035852071
SORCS1	20.5369491	3.31922185	6.187278233
SORCS2	8.303416631	3.147068297	2.638460893
SORT1	82.97758298	26.84872075	3.090560022
SOX10	7.557098791	2.419598331	3.123286495
SOX12	3.162187234	10.12772166	-3.202758379
SOX5	5.468756593	1.10929054	4.929958741
SOX8	9.461611441	4.491918598	2.106363068
SOX9	5.119189831	10.96577962	-2.142092788
SP4	5.742970563	13.4955099	-2.349918001
SPAG1	4.949721569	15.45310571	-3.122015146
SPARCL1	931.8280993	247.1318592	3.770570506
SPATA20	5.52017989	12.34710491	-2.236721476
SPATS2L	27.68024797	7.635673146	3.625122165
SPEN	6.275134572	16.12266272	-2.56929354
SPHKAP	4.196379404	38.80966168	-9.248368164
SPICE1	12.38251705	55.20350337	-4.458181089
SPINT2	9.82400476	27.96217602	-2.846311326
SPOCK2	63.57577403	192.1316272	-3.022088682

SPON1	11.20736214	52.46847385	-4.681607784
SPP1	50.72730587	8.436546822	6.012804402
SPRED2	11.53410087	3.734380399	3.088625056
SPRED3	6.85723633	2.090258657	3.280568319
SPRY2	34.06901003	13.82600905	2.464124674
SPRY4	4.615363601	12.09747722	-2.621131998
SPSB3	4.481329424	10.2858933	-2.295277211
SPTB	5.992862038	15.09676111	-2.519123753
SPTSSB	26.74881939	10.39513211	2.573206296
SRGAP2	16.05252647	32.56228076	-2.028483231
SRRM1	11.88326341	24.27471292	-2.04276486
SRRM3	3.982026159	12.25962745	-3.078741064
SRRM4	7.716506173	24.77003203	-3.210006119
SRRT	20.8432292	44.00789262	-2.111375939
SSNA1	10.83870854	4.738389381	2.287424622
SSSCA1	22.00613573	9.982503915	2.204470534
SST	120.7824504	0.803611206	150.2996094
SSTR2	6.87404523	19.34416582	-2.814087655
SSTR3	2.932947088	7.814760531	-2.664473752
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ST3GAL4	15.56975248	4.760724887	3.270458354
ST3GAL6	8.636608304	2.774685273	3.112644302
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ST6GALNAC4	2.56366713	6.653429271	-2.595278144
ST7	5.113434745	13.4835361	-2.636884359
ST8SIA4	6.416483649	2.788958744	2.300673562
ST8SIA5	10.19436305	4.370056585	2.332775984
STAB1	5.619586868	13.53172973	-2.407958102
STAG1	4.105751861	13.14344996	-3.201228521
STAG2	12.91926441	29.47526816	-2.2814974
STARD3NL	44.85203568	19.34965469	2.317976025
STAT5A	2.547346247	6.402900522	-2.513557209
STAU2	57.392862	26.43054628	2.171459545
STBD1	8.138977506	3.803857921	2.139663908
STK17B	0.848203956	7.450569677	-8.783936483
STK32C	25.02903736	5.727794055	4.369751622
STK40	12.0173473	5.84865002	2.054721562
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SULF1	14.91178714	1.048339457	14.22419717
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SULT4A1	84.84732275	38.77038437	2.188457095
SUPT20H	15.11970003	30.52367325	-2.01880151

SVEP1	0.647434332	6.486540489	-10.01883924
SYBU	24.96673828	73.01922473	-2.924660158
SYNDIG1	8.73801392	4.207941583	2.076553048
SYNE1	9.799961387	79.00997833	-8.062274453
SYNE4	2.236247926	12.0089996	-5.370155724
SYNGAP1	30.94268243	11.02747637	2.805962251
SYNJ2	9.158487868	1.393633451	6.571661913
SYNPO	20.03794293	5.400236476	3.710567679
SYT13	27.05629254	8.96764893	3.017099884
SYT17	9.082428762	1.759879925	5.160822982
SYT4	39.93928156	128.1005971	-3.20738361
SYT9	2.363460023	21.69294508	-9.178469223
TAC1	27.86729348	0.115087414	242.140235
TADA1	6.896455818	15.34911503	-2.225652629
TAF1	8.35848526	22.82030652	-2.730196418
TAF4	3.2626764	7.369493724	-2.258726524
TANC1	0.932707089	5.671966032	-6.081186796
TANC2	15.89043427	6.001216515	2.64786885
TANK	6.643532605	3.140138527	2.115681378
TAPBP	48.44080491	17.65398288	2.743902338
TARBP1	10.35583607	30.58553325	-2.953458613
TARBP2	6.264051105	17.17544013	-2.741906131
TBC1D30	13.0503113	3.496543465	3.732346366
TBC1D8	7.34404868	19.47199189	-2.651397443
TBKBP1	3.229082409	6.523586165	-2.020260043
TCEAL7	50.31359133	13.93668702	3.610154354
TDRD3	27.58610222	11.76849049	2.344064623
TEN1	7.899611026	20.65053558	-2.614120558
TENM1	2.865804962	16.84041521	-5.87632984
TENM2	16.18552406	1.650102979	9.808796344
TENM3	8.454803441	3.4232426	2.469823039
TENM4	7.572106632	1.864601271	4.060979014
TESC	13.27700254	1.412360335	9.400577319
TF	114.1380942	37.82166204	3.017796892
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THBS1	8.087502699	1.245209954	6.49489082
THOC6	9.432900344	3.713901366	2.539889839
THRB	20.59096308	1.712264254	12.02557551
THY1	127.0473494	34.25923217	3.70841205
TIA1	11.85739783	23.94195124	-2.019157287
TIAM1	15.15540784	82.03835089	-5.413140427
TIAM2	11.03231457	1.060804427	10.39995148
TIMM13	16.71192478	5.610731066	2.978564572
TIMM17A	10.65930142	5.156063696	2.067333154
TIMP1	7.404393231	28.79724753	-3.88921099
TIMP4	6.416777037	25.60296074	-3.990003173
TINF2	4.057852868	9.146175006	-2.253944464
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TLE2	3.758261515	12.30781273	-3.274868627

TLE3	3.49003377	7.367150312	-2.110910896
TLE4	14.74981804	5.309163207	2.778181319
TLL1	2.610708903	25.06685785	-9.601552217
TLN2	30.70469613	7.005929409	4.382672782
TM4SF18	6.462782182	3.042687923	2.124037149
TMEFF1	15.75749302	6.934016695	2.272491359
TMEFF2	51.58893903	23.48878937	2.196321753
TMEM100	11.4628438	28.81414711	-2.513699709
TMEM108	6.55142254	2.342424943	2.79685484
TMEM126A	24.41512991	11.72615564	2.082108636
TMEM131L	2.44718534	5.392282603	-2.203463104
TMEM132A	14.7091378	39.99061165	-2.71875974
TMEM132B	14.94983798	1.557151102	9.600762545
TMEM132D	17.20448972	0.971629864	17.70683504
TMEM141	10.15664275	20.71292391	-2.039347491
TMEM144	7.209263787	2.707819043	2.662387579
TMEM150C	17.85703448	5.373000498	3.323475308
TMEM151A	7.359972909	1.4826458	4.96408037
TMEM160	5.823810032	2.907813453	2.002814186
TMEM178B	9.614554276	2.821364547	3.407767453
TMEM179	6.227271045	1.711396468	3.63870743
TMEM181	20.86991648	8.484023282	2.459907969
TMEM184B	10.06859126	4.768612477	2.111429961
TMEM196	12.80974635	0.563699405	22.72442765
TMEM200A	40.26943824	2.780829612	14.48108797
TMEM219	6.704615321	15.69208766	-2.34049038
TMEM229A	7.055809457	1.766787454	3.993581368
TMEM243	3.141386027	7.953233606	-2.531759401
TMEM262	10.43320241	5.131172354	2.033297986
TMEM265	2.609944529	7.618348901	-2.918969662
TMEM266	3.2792969	14.38584497	-4.386868714
TMEM268	7.426790322	3.271539034	2.270121263
TMEM38A	28.4734964	11.79908589	2.413195112
TMEM39A	3.688505904	8.727055355	-2.36601366
TMEM41A	4.420156505	9.763236746	-2.208798882
TMEM63C	9.806732053	60.60633717	-6.180074753
TMEM65	39.49260613	15.02399653	2.628635201
TMEM71	1.504576396	6.031965186	-4.009078702
TMEM79	1.332183938	7.522597988	-5.64681631
TMOD1	35.24305315	0.210806154	167.1822789
TMPO	5.018319019	10.39949266	-2.07230601
TMSB10	420.5394382	119.3049731	3.52491122
TMTC1	10.4456982	5.188639205	2.013186462
TNFAIP6	6.820314145	1.832255612	3.722359532
TNFRSF21	48.12354454	6.68832319	7.195158365
TNFSF12	5.259710456	15.39630513	-2.927215339
TNNT1	63.86058672	13.35554596	4.781578149
TNPO3	29.09877987	60.79718609	-2.089337985
TNRC18	3.886164618	10.9330119	-2.81331672
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TOMM40L	30.39045477	14.64298193	2.075428004
TP53BP2	28.66425109	12.29781977	2.33084007
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TP53INP1	3.362775444	13.59067272	-4.041504688
TPBG	9.240788337	0.298512404	30.95612852
TPC3	0.498527328	9.398077196	-18.85167907
TPM1	49.58449729	24.76594648	2.002124059
TPM3	42.59690392	18.98741864	2.243427857
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TRAFD1	8.539293472	18.09083434	-2.118539947
TRAP1	12.90041007	5.513077924	2.339965124
TRH_2	0.459530132	15.5201596	-33.7739759
TRIB1	14.46837427	4.150951232	3.485556312
TRIB2	28.15806358	13.01456147	2.163581435
TRIM3	11.65960416	23.3740663	-2.004704961
TRIM36	9.384878546	1.08181384	8.675132637
TRIM62	1.592437135	5.441433839	-3.417047819
TRMT112	25.8278312	53.67571996	-2.078212435
TRMT9B	3.915250974	7.967889023	-2.035090235
TRPM2	9.723880089	3.243249288	2.998190773
TRPV2	6.682852808	0.860604909	7.765297105
TRUB1	11.0060579	4.47593666	2.4589396
TSC22D4	29.26705059	11.84400097	2.471044259
TSHZ3	6.50247221	3.1051974	2.094060819
TSPAN17	22.85504489	7.747018991	2.950172823
TSPAN2	18.34399211	1.70236338	10.7756031
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TSPAN9	3.938223187	22.22913757	-5.644458558
TSPYL2	53.23471102	111.776447	-2.099691064
TSR1	13.18412141	6.519866007	2.022146068
TTC31	2.944818413	7.74147521	-2.628846375
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TUBB2A	108.6781243	30.39085208	3.576014389
TUBB2B	46.92162048	15.40086693	3.046686963
TUBB3	139.3830233	67.0380734	2.079162127
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TWF2	19.26210231	7.208396447	2.672175769
UBASH3B	4.679338938	17.24399969	-3.685135853
UBE2E1	53.40205168	26.65617893	2.003364841
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UBXN2B	5.421132449	2.538887179	2.135239602
UCKL1	6.024689948	24.13552854	-4.00610301
UFM1	9.15300135	4.395904923	2.082165449

UGT8	60.35664885	21.85393368	2.761820811
UHMK1	20.39071066	10.0109866	2.036833278
UHRF2	21.49424691	62.95856984	-2.929089356
UIMC1	12.04911652	52.46374934	-4.354157356
UNC13B	16.89640418	4.683592998	3.607573115
UNC13C	16.97137803	34.4489476	-2.02982619
UNC5A	12.8976635	5.363260333	2.404817723
UNC5C	4.258619271	18.55984582	-4.35818387
UNC5D	5.800805243	0.881894506	6.57766343
UNG	2.998626706	6.969477834	-2.324223226
UNK	3.797771394	10.30886639	-2.714451536
UQCRQ	64.15658121	24.26905843	2.643554607
USP1	15.74165634	32.8800799	-2.088730638
USP2	10.01526993	3.547526301	2.823170028
USP28	15.77455576	41.58620593	-2.636283808
USP3	1.819795115	8.764899884	-4.816421263
USP42	2.411562868	5.526263121	-2.291569171
VAT1L	11.37261776	101.0560472	-8.885909056
VAV3	1.972087368	8.303295359	-4.210409484
VCPKMT	20.07356862	8.789120672	2.283910913
VIP	33.14512766	0.060483635	548.0015845
VLDLR	27.47516577	8.886816193	3.091677061
VPS37B	5.920875372	2.01004085	2.945649275
VSIR	15.47565229	4.448852074	3.478572006
VSTM2A	37.94460977	0.615055335	61.69300159
VSTM2B	15.77482608	0.382189897	41.27483803
VSTM5	8.140524407	3.21977558	2.528289381
VTN	2.331505224	5.972993871	-2.561861671
VWA5B2	4.456072807	18.61572521	-4.177607957
VWCE	2.810941206	20.09055967	-7.147271395
VXN	85.55906842	3.112390978	27.48982021
WARS	36.9301839	14.16181936	2.607728777
WDR17	10.23364048	4.845941248	2.111796235
WDR60	3.802883827	10.47317527	-2.754008733
WDR74	15.37132176	6.74733163	2.278133431
WFS1	15.2176327	6.465820854	2.353550004
WIF1	27.89044339	12.80344859	2.178353994
WNT9A	1.13503971	11.73406045	-10.33801755
WSB2	81.04346328	35.46383708	2.285242375
WSCD1	2.462459894	12.52689459	-5.087146646
YES1	3.712591834	8.040981488	-2.165867364
YIPF7	0	5.386671061	#DIV/0!
YJEFN3	8.381413876	0.705723832	11.87633675
YPEL4	5.992479945	13.245916	-2.210423084
YWHAZ	559.3091794	207.6137052	2.693989681
ZBED5	16.18433677	42.05547275	-2.598529266
ZBTB10	3.38132799	8.125176952	-2.402954394
ZBTB12	2.078563778	5.958920597	-2.866845204
ZBTB16	13.02131862	1.753109657	7.427555128
ZBTB18	95.20852795	324.6328447	-3.409703434

ZBTB7B	1.879465876	11.46948617	-6.102524293
ZC3H4	2.875770836	6.055168096	-2.105580883
ZC4H2	8.413426531	3.949472292	2.130265997
ZCCHC11	3.512083741	11.12617455	-3.167969608
ZCCHC12	7.723181717	2.755862693	2.802455194
ZCCHC17	18.08060296	8.277921381	2.184196023
ZCCHC18	6.916168718	1.083860862	6.381048491
ZCCHC3	3.760771713	7.587443988	-2.017523149
ZCCHC8	6.274839171	17.90251171	-2.853063039
ZDHHC18	2.130981167	5.311863701	-2.492684489
ZDHHC2	23.23240428	59.45919316	-2.559321559
ZDHHC22	8.440828896	1.114035802	7.576802179
ZEB1	8.902822218	19.17543934	-2.15386075
ZEB2	5.311638203	1.78809462	2.970557678
ZFP30	5.445943965	11.70820899	-2.149895238
ZFPM2	4.027013231	48.1764028	-11.96330879
ZFYVE26	3.049220137	6.743778117	-2.211640293
ZIC1	0.881413057	242.2736925	-274.8696432
ZIC2	1.406326628	62.46859441	-44.41969111
ZIC4	0.010995571	13.13919268	-1194.953205
ZIC5	1.226458326	46.3596429	-37.79960713
ZMAT3	30.37336281	10.62518016	2.85862097
ZMAT4	11.45421651	0.680011482	16.84415162
ZNF143	9.502005841	24.7345364	-2.603085792
ZNF175	7.207974142	18.57719912	-2.57731212
ZNF182	10.11722736	20.49669586	-2.025920258
ZNF185	4.161144104	9.74084189	-2.340904724
ZNF219	2.899008197	7.433353117	-2.564102138
ZNF22	2.851567076	6.081646881	-2.132738497
ZNF266	2.713320648	6.297580035	-2.320986294
ZNF268	3.244965014	8.046641588	-2.479731385
ZNF285	7.963721625	2.767364502	2.877727751
ZNF286A	1.836078713	6.197611192	-3.375460512
ZNF292	8.299063311	30.63564776	-3.691458495
ZNF3	3.863475141	7.951989358	-2.058247839
ZNF365	37.72385123	7.857472189	4.801016195
ZNF385B	15.3401752	34.42588796	-2.244165241
ZNF385D	13.54620341	28.66351885	-2.115981725
ZNF395	2.173085663	7.348578031	-3.381632928
ZNF423	3.314005554	10.59341081	-3.196557953
ZNF462	3.060974876	8.622828527	-2.817020354
ZNF484	2.971389962	6.463913868	-2.175383894
ZNF502	2.893448994	5.908117378	-2.041894428
ZNF521	2.116600653	44.69633474	-21.1170372
ZNF536	1.730134012	6.963166528	-4.024639988
ZNF568	3.41469295	7.878402881	-2.307206826
ZNF576	9.211857761	21.91590805	-2.37909753
ZNF593	8.483207889	4.217884487	2.011247087
ZNF608	9.010708948	18.68113399	-2.073214672
ZNF609	10.30937699	22.66349966	-2.198338432

ZNF653	2.615754726	6.649965032	-2.542273924
ZNF692	2.183882169	5.745087201	-2.630676362
ZNF697	8.061231864	2.582825581	3.121090298
ZNF704	2.32374683	7.993134526	-3.439761346
ZNF804A	9.956850335	2.890607456	3.444552914
ZNF821	5.830509151	11.92364933	-2.045044269
ZNF827	3.877761912	9.383873646	-2.41992001
ZNF829	2.228137846	8.756131752	-3.929798045
ZNF839	2.428504535	9.887654637	-4.07149935
ZNRF1	8.878619943	3.105556681	2.858946351
ZRANB1	15.18716926	32.30233942	-2.126949326
ZSCAN31	2.922122226	7.257107078	-2.483505656
ZYX	9.57258292	44.38715695	-4.636904932

Additional File I_6: Gene expression (RPKM values) of differentially expressed genes in visual cortex samples of the long-finned pilot whale and the killer whale compared to visual cortex samples of cattle. The cutoff was set to Fold change of normalized unique gene reads > 2, Range of normalized unique gene reads ≥ 5, Bonferroni corrected *p* - value < 0.05.

Feature ID	Boferroni corrected *p* - value	RPKM cattle cow c (SRR594491)	RPKM cattle cow b (SRR594482)	RPKM cattle Bta1 (SRR8305676)	RPKM visual cortex long-finned pilot whale (SRR8305674)	RPKM visual cortex killer whale (SRR8305677)	RPKM mean cattle	RPKM mean whale	RPKM fold difference
A3GALT2	0.007423501	0.6880926	0.91419647	2.178466592	0	0	1.26025189	0	#DIV/0!
ABCA7	1.11052E-06	3.72711378	3.12368039	4.517474245	0.0920922	0.01334146	3.78942281	0.05271683	-71.882605
ABCA9	0.007864835	0.96421197	0.9954124	0.825641248	0	0.01170774	0.92842187	0.00585387	-158.599633
ACBD7	2.92141E-29	96.4765182	86.7655555	134.091856	0	0	105.777977	0	#DIV/0!
ACE	5.54084E-05	1.05745484	1.04434861	1.156562673	7.46734383	27.1439924	1.08612204	17.3056681	15.9334471
ACE2	0.00103149	0.08324448	0.04178155	0.025099795	1.81803953	0.58086089	0.05004194	1.19945021	23.968898
ACOT2_2	0.0200144	0.06441262	0.0207833	0.049941337	1.18297878	1.15574525	0.04504575	1.16936202	25.9594285
ACSM5	1.872E-05	1.55096344	0.95606554	3.694191134	0	0	2.06707337	0	#DIV/0!
ADGRA1	0.002303458	2.32334904	3.71969592	7.9158613	0.61864123	0.20912022	4.65296875	0.41388072	-11.2422939
ADH6_2	1.80437E-07	5.45737007	4.15119699	9.975139865	0	0	6.52790231	0	#DIV/0!
ADM2	0.000419301	0.28077728	0.39929024	2.102382344	0	0	0.92748329	0	#DIV/0!
ADORA2B	1.24115E-08	3.4232423	4.33827778	15.10421256	0.07256077	0	7.62191088	0.03628039	-210.083512
AFMID	0.00270467	1.22396764	1.82409543	6.465929177	0.06395581	0.05250347	3.17133075	0.05822964	-54.4624815
AGBL3	0.000187396	0.03464397	0.05216485	0.020891631	1.022454	1.12810907	0.03590015	1.07528153	29.9520071
AGT	1.8844E-24	42.6425788	31.2633109	34.93081373	0.04819858	0	36.2789012	0.02409929	-1505.39293
ALDH1B1	0.008605747	0.09161405	0.1410822	0.079103313	2.01754341	1.351167	0.10393319	1.68435521	16.2061341
ALDH3A2	0.001022083	36.1400307	32.4152992	53.01326596	5.12220277	3.98045026	40.5228653	4.55132652	-8.90352848
ALDOB	4.22276E-10	7.77761886	7.50116278	11.25839974	0.63131971	1.16611105	8.84572713	0.89871538	-9.84263465
ALOX5	0.016803989	2.0084218	2.0590048	1.855386008	0.0605361	0.11181627	1.97427087	0.08617619	-22.9097034
ALPK3	0.000609228	1.37606338	1.71358527	2.646045352	0.09384035	0.17564367	1.911898	0.13474201	-14.1893234
ANGPTL7	0.000137803	3.89340258	1.3514884	2.186694381	46.1133877	19.1228624	2.47719512	32.6181251	13.1673621
ANKAR	1.60822E-19	0.01940976	0.06575865	0	2.81289226	2.01123682	0.02838947	2.41206454	84.9633513
ANKEF1	8.52788E-05	1.24126509	1.85124784	0.402741723	0	0	1.16508489	0	#DIV/0!
ANKRD9	0.001230201	2.61952209	3.09759349	3.425101955	0.08240899	0.20295692	3.04740585	0.14268295	-21.357883
AOX2	0.000187073	0.00338577	0.00573536	0	0.14029462	0.82392687	0.00304038	0.48211075	158.569385
APOA1	0.000701479	123.420192	29.1658098	175.0123483	4.51793485	1.09086018	109.19945	2.80439752	-38.9386488
ARHGAP11A	1.65778E-08	0.11334474	0.06981866	0.018641234	5.71475794	3.34332288	0.06726821	4.52904041	67.3280915
ARHGAP36	3.37458E-13	0.05942063	0.2102594	0.042999481	7.64329244	18.7617137	0.1042265	13.2025031	126.671264

ARMC12	0.005770641	0.20889136	0.30579919	0.608852275	1.80841471	21.7019837	0.37451427	11.7551992	31.3878536
ASB2	7.69627E-06	5.75186738	6.34268467	10.88932473	0.36349229	0.26110266	7.66129226	0.31229748	-24.5320337
ASCL3	6.27165E-20	0	0	0	42.6914388	76.490751	0	59.5910949	#DIV/0!
ASGR1	2.16449E-09	0.02643333	0.02985131	0.071731364	5.3361018	9.82173355	0.042672	7.57891767	177.608672
ATP13A5	0.000702721	0	0.01927247	0.011577722	0	0	0.0102834	0	#DIV/0!
ATP1A4	1.73868E-08	0.16507153	0.12026855	0	13.4989369	5.40617565	0.09511336	9.45255628	99.3820042
ATP6V1E2	6.24514E-06	0.24747866	0.34158556	0.149239047	5.1127191	2.51832181	0.24610109	3.81552046	15.5038747
ATP8B4	0.008900856	0.11859173	0.11106086	0.094190915	2.60606376	2.8760874	0.10794784	2.74107558	25.3925942
B3GNT6	0.001107571	0.85318341	1.44934015	3.747580623	0.0460925	0.01891944	2.01670139	0.03250597	-62.0409502
BCAS4	0.005455272	46.6619682	35.3559787	61.02604826	4.77468688	6.76148423	47.6813317	5.76808555	-8.26640508
BCL6B	0.000108007	0.9127752	0.29965185	0.619242944	6.06689246	14.0528314	0.61055667	10.0598619	16.476541
BCNT2	1.77084E-09	16.2066746	22.2002048	8.731935457	0.22586575	0.37421286	15.7129383	0.30003931	-52.3695995
BHMT	2.316E-29	0	0.0440943	0	68.8855914	26.4617507	0.0146981	47.6736711	3243.52615
BICDL2	1.79976E-05	2.05543776	2.2698635	3.159097919	0	0	2.49479973	0	#DIV/0!
BOLA_1	3.57039E-05	0.45255134	0.35381691	0.80297246	11.7617044	15.6675426	0.5364469	13.7146235	25.5656681
BSG	0.002565655	168.022033	154.792365	383.4651264	20.1300799	23.3888559	235.426508	21.7594679	-10.8194975
BUB1B	0.012350235	0.14412425	0.12347337	0.188809707	3.04144648	2.23673967	0.15213578	2.63909308	17.3469591
C14H8orf89	8.25496E-07	2.35885802	2.27191275	7.587211999	0.20486871	0.13454689	4.07266092	0.1697078	-23.9980775
C15H11orf65	0.037124865	0	0.14045932	0	0	0	0.04681977	0	#DIV/0!
C16H1orf105	0.000381581	1.38283124	1.03277749	3.021221799	0	0	1.81227684	0	#DIV/0!
C16H1orf112	0.002938249	0.19267382	0.1958289	0.3006407	6.83734998	2.74768627	0.22971447	4.79251813	20.862935
C18H19orf18	0.003571798	1.31453148	0.76430119	1.218501134	0.02765657	0.03405631	1.09911127	0.03085644	-35.620162
C19H17orf100	0.000267333	5.05197219	4.34293358	2.551538441	0.25697633	0.23733058	3.98214807	0.24715345	-16.112047
C19H17orf78	0.008201725	0	0	0	0.10580176	4.116985	0	2.11139338	#DIV/0!
C19H17orf80	0.001608373	1.96132182	1.72380919	1.899176148	0.13463968	0.15072305	1.86143572	0.14268137	-13.0461025
C1QC	7.52271E-05	2.05068758	2.08426812	4.776532159	21.0980843	98.0182046	2.97049596	59.5581445	20.0498992
C1QL4	3.64889E-06	0.00959187	0.02166431	0	3.40383396	1.35532971	0.01041873	2.37958184	228.394704
C23H6orf226	0.001218641	4.01578222	3.18369413	19.15320385	0	0	8.78422673	0	#DIV/0!
C23H6orf52	7.9775E-10	0.79028775	0.96491785	1.521399257	0	0	1.09220162	0	#DIV/0!
C23H6orf89	0.028569825	27.8546343	25.5756247	24.1972295	4.56430662	3.34347047	25.8758295	3.95388854	-6.54440033
C26H10orf120	1.18965E-05	0	0.01919399	0.092244587	6.21199006	3.11314714	0.03714619	4.6625686	125.519423
C2H2orf80	1.47254E-05	0.58533465	0.37772677	1.089192543	12.5446784	22.492993	0.68408465	17.5188357	25.6091634
C8G	0.001200882	3.25229881	4.31084513	10.89742305	0.19467524	0	6.15352233	0.09733762	-63.2183351
CABLES1	3.96666E-05	29.0866115	22.6543126	54.98734062	3.62069686	3.54693281	35.5760882	3.58381484	-9.92687677
CABLES2	0.041250648	6.12609253	5.49280593	13.09561825	0.72834031	1.02500408	8.23817224	0.8766722	-9.39709538
CALCR	0.019217056	1.1710257	1.18015765	0.663713273	8.5990528	15.0881805	1.00496554	11.8436167	11.7850973
CALM	1.58484E-23	3.01979763	0.8388912	2.322572763	361.577876	351.735532	2.06042053	356.656704	173.098985
CAPN11	1.09907E-06	0.01204675	0.05441785	0.098072741	2.27828722	3.71963031	0.05484578	2.99895877	54.6798448
CAPS2	0.001069713	1.37579359	2.77026169	0.281769921	0	0	1.47594173	0	#DIV/0!
CASQ2	0.001876026	4.90152524	2.06469887	2.374511943	0.13605145	0.03722974	3.11357868	0.08664059	-35.9367201

CATSPERD	1.07417E-09	3.8861092	4.20966165	1.526481562	0.11784812	0.20731175	3.20741747	0.16257994	-19.7282489
CCDC151	0.001815083	0.49609873	0.37834875	0.48954503	8.40609697	7.82245921	0.45466417	8.11427809	17.8467507
CCDC158	0.001168913	10.2374973	8.39822602	6.138473153	0.58795043	0.99074014	8.25806548	0.78934528	-10.4619178
CCDC159	0.010201498	0.48614006	0.6386336	0.888457176	6.28246725	5.65939186	0.67107695	5.97092955	8.8975334
CCDC17	0.003877936	3.08000709	3.32727534	9.044918334	0.44647106	0.17493148	5.15073359	0.31070127	-16.577768
CCDC183	0.040821307	1.64168536	1.17979582	2.46239683	0.03805635	0.09372521	1.76129267	0.06589078	-26.7304879
CCDC188	0.005165681	0.36034744	0.4472338	1.045637256	0	0	0.6177395	0	#DIV/0!
CCDC190	2.60135E-09	7.91236055	5.13431732	7.01597954	0.02073165	0	6.68755247	0.01036582	-645.153932
CCDC3	2.38351E-09	18.874821	20.3932996	39.17981474	0.7831203	0.34035341	26.1493118	0.56173686	-46.550821
CCDC68	0.000280535	0.12844764	0.07252834	0.074692429	1.06578434	4.97754475	0.09188947	3.02166454	32.8836867
CCDC78	0.001303307	2.19093824	2.0507209	5.249167809	0.06291396	0	3.16360898	0.03145698	-100.569374
CCL25	2.62955E-10	5.67227422	4.38055241	15.30011948	0.13461586	0.20401973	8.45098204	0.16931779	-49.9119552
CCL27	0.003115436	2.90717739	4.97790412	9.192341592	0.09111512	0	5.69247437	0.04555756	-124.95125
CD24	0.00031259	10.4669936	13.036195	12.69218424	102.270144	76.9816249	12.0651243	89.6258843	7.428509
CD46	0.007725492	18.5208946	16.7214187	11.88178589	2.81489876	1.83571802	15.7080331	2.32530839	-6.75524723
CD53	0.000160033	2.01969914	1.69098095	1.480445808	12.1846488	37.78381	1.7303753	24.9842294	14.4386188
CD58	0.013488489	6.29568818	5.21046968	4.675444574	0.32025728	0.41229064	5.39386748	0.36627396	-14.7263198
CD8A	0.000114568	1.85070516	2.23929873	6.508368093	0.02006457	0	3.53279066	0.01003228	-352.142221
CD99	3.12788E-06	17.1815587	7.7245957	8.77516733	0.04738914	0.36680289	11.2271072	0.20709602	-54.212087
CD99L2	0.002943706	26.9583201	26.744665	32.62574728	3.87511504	2.00805025	28.7762441	2.94158264	-9.78257204
CDC25A	0.003047768	0.36899463	0.30985964	0.333776699	3.66916246	3.58980929	0.33754366	3.62948587	10.7526414
CDKL3	0.002424983	0	0.11807859	0	0.80445087	2.830289	0.03935953	1.81736993	46.1735674
CDKL4	0.002986318	8.1552132	11.3006206	5.252694539	0.44996489	0.31256188	8.23617613	0.38126338	-21.6023266
CDRT1	0.002303724	0.03931796	0.02960134	0.248957391	2.33008015	4.66397919	0.1059589	3.49702967	33.0036436
CELA1	0.006262952	0.50845023	0.91512458	8.451071355	0	0	3.29154872	0	#DIV/0!
CEP78	1.85819E-07	1.67541667	2.12856507	2.658253413	15.5183478	52.183769	2.15407838	33.8510584	15.7148684
CETN4	1.12842E-05	71.3565314	64.4626073	63.33958641	3.0256867	1.79217231	66.3862417	2.4089295	-27.5583995
CFAP126	8.05641E-13	1.66974388	1.39594501	3.503176701	0	0	2.18962186	0	#DIV/0!
CFAP46	1.73343E-07	1.753038	2.45484791	3.298303657	0.22350704	0.19367803	2.50206319	0.20859254	-11.9949795
CFDP2	1.3307E-13	46.3884412	45.4098759	30.56097579	0.68049889	0.7332208	40.786431	0.70685985	-57.7008741
CHI3L1	0.000382879	10.9036426	8.26558981	21.40535645	0	0.11232743	13.524863	0.05616372	-240.811399
CHRDL1	0.022075159	5.67727379	6.99423104	10.73769244	3.29016019	0.60022292	7.80306576	1.94519155	-4.01146393
CLDN10	0.001906819	5.45683336	2.30618688	7.540296176	0.04742534	0	5.10110547	0.02371267	-215.121509
CLEC4E	0.000598302	0.03399254	0	0	2.09474084	3.91367069	0.01133085	3.00420576	265.135123
CMTM6	0.000102717	13.3382847	13.526414	20.29019457	1.40395363	1.40360383	15.7182977	1.40377873	-11.1971334
CNDP1	0.022731279	0.2747906	0.14322583	0.114721743	6.80486924	1.90820728	0.17757939	4.35653826	24.5329048
CNN1	0.009586471	4.92949973	4.72607704	3.866801037	0.16367091	0.20154443	4.50745927	0.18260767	-24.6838436
COL9A1	0.009773345	1.84670942	1.2896405	3.336255032	27.4363587	13.6486598	2.15753498	20.5425092	9.52128674
COL9A3	0.00123291	0.10858853	0.21181488	0.200913802	4.09048241	2.3247793	0.1737724	3.20763085	18.4588046
COX7ALP1	3.28385E-10	0.25552218	0.28856269	0.115567198	18.3705446	61.2897692	0.21988403	39.8301569	181.141658

COX7B	1.02813E-07	33.3566395	31.3323903	120.2046198	0.15899771	0.07831594	61.6312165	0.11865682	-519.407271
COX7C	0.002051179	62.3525231	65.701878	323.1189521	2.66056164	6.11560461	150.391118	4.38808312	-34.2726228
COXP1	7.6516E-08	0.58516096	0.03146789	0	28.5990639	53.2263701	0.20554295	40.912717	199.047044
CPNE7	0.002374261	3.72596556	2.23655429	4.23570822	0.01783218	0	3.39940936	0.00891609	-381.266774
CPS1	5.50885E-13	0	0.02727892	0.016387503	7.31440578	3.3025529	0.01455547	5.30847934	364.706747
CRACR2A	0.003888254	1.04993511	0.8930256	0.93319618	0.04589204	0.06085852	0.95871896	0.05337528	-17.9618542
CRYGB	3.50866E-07	0	0	0.16387503	7.25024433	16.4337561	0.05462501	11.8420002	216.787149
CSF2RA	0.045812561	4.50703728	4.77302954	1.674731825	0.22850231	0.34254693	3.65159955	0.28552462	-12.7890882
CSNK1B	3.67753E-08	2.24149287	2.03095161	3.768833293	0	0.01948583	2.68042592	0.00974291	-275.115464
CSTB_1	4.26686E-12	0.09614785	0	0	13.824932	46.6273852	0.03204928	30.2261586	943.11494
CYB5D2	0.007912382	13.6894199	13.800941	19.06418191	1.70348766	1.98558591	15.5181809	1.84453678	-8.41305041
CYS1	7.70953E-07	18.5065958	17.3890923	28.49085403	0.77712145	1.3556759	21.4621807	1.06639867	-20.1258509
CYTL1	0.000127691	0.50808179	0.14344493	0	31.811063	7.50206155	0.21717557	19.6565623	90.5100048
DANCR	1.51768E-05	2.12150771	2.31981185	2.85202047	0.06921336	0.10227524	2.43111334	0.0857443	-28.3530609
DCDC2	0.001688116	0.14044697	0.19385371	0.042347432	1.92329757	6.77837949	0.12554937	4.35083853	34.6544038
DCUN1D2	0.049675555	4.63815114	6.25734651	10.47460221	0.13229312	0.21720774	7.12336662	0.17475043	-40.7630849
DDC	0.010272367	1.66242243	0.85412486	2.540128309	0.0318249	0.07837839	1.68555854	0.05510165	-30.5899854
DDX31	2.53287E-06	30.7756115	31.5674166	32.42592549	1.71768297	2.49042509	31.5896512	2.10405403	-15.0137072
DDX43	3.23697E-06	0.03593281	0.17584289	0.032503274	1.921611	1.88048155	0.08142632	1.90104628	23.3468266
DEUP1	0.006984183	0.01321666	0.02985131	0	3.31400007	5.04920105	0.01435599	4.18160056	291.279097
DHDH	1.55184E-09	9.01604514	7.88663679	27.86702222	0	0	14.9232347	0	#DIV/0!
DHRS11	0.012346881	6.53305399	4.82911595	30.04901459	0.47676965	0.82883909	13.8037282	0.65280437	-21.1452753
DHRS7	2.71552E-08	3.77114094	2.99127998	6.213279333	86.7809486	63.2009622	4.32523342	74.9909554	17.3380135
DLEU7	9.64016E-06	0	0	0	4.81280458	3.46266811	0	4.13773635	#DIV/0!
DLL3	0.00057863	0.26729343	0.05560506	0.381761306	5.00723679	8.42981614	0.2348866	6.71852646	28.6032771
DNAH2	2.4725E-10	0.0054003	0.02134505	0	1.98236801	0.86904175	0.00891512	1.42570488	159.919948
DNASE1L2	0.030012959	0.15252099	0.10960909	0.301012237	3.02001736	2.68482879	0.18771411	2.85242308	15.1955713
DNPH1	8.43494E-06	9.76217883	9.1627347	27.19310097	0	0	15.3726715	0	#DIV/0!
DUSP28	1.55103E-06	7.75131768	8.31139237	13.77325605	0.11734634	0.39409183	9.94532203	0.25571909	-38.8915906
DZANK1	6.23046E-05	207.799321	241.887678	385.7544177	18.1756317	9.09060143	278.480472	13.6331166	-20.4267653
ECHDC3	9.24346E-08	3.09636322	2.19334661	4.552062114	0.09229922	0.08659604	3.28059065	0.08944763	-36.6761053
ECM1	3.07032E-07	0.59152379	0.4125952	1.581595185	19.593761	29.9093248	0.86190473	24.7515429	28.7172609
EEF1A1	0.033896674	90.4096536	76.7119965	194.0401183	9.58560465	16.6246687	120.387256	13.1051367	-9.18626484
EFCAB6	0.04631913	2.96540218	3.99934127	4.004265576	0.61199969	0.39076421	3.65633634	0.50138195	-7.29251687
EMC10	0.024129279	64.2561386	69.0745548	219.2737797	9.80274894	11.2600071	117.534824	10.531378	-11.1604411
EME2	0.003752505	1.49222793	1.30626512	2.240357342	0.03752555	0.11552245	1.67961679	0.076524	-21.9488885
EPB41L5	0.001698611	7.80638323	6.15832554	6.570595669	0.52399457	0.99552416	6.84510148	0.75975937	-9.00956512
EPPK1	0.001832346	0.51419164	0.81627757	0.556140711	0.02607712	0.00642228	0.62886997	0.0162497	-38.7004106
ERAS	0.020150078	0.68109675	1.0473757	5.190893318	0	0	2.30645526	0	#DIV/0!
ESPN	7.61611E-06	1.93074472	1.53168686	1.789769659	0.0226046	0	1.75073375	0.0113023	-154.900649

ESPNL	0.002396599	0.34147055	0.48944672	1.054942642	0.0111632	0	0.62861997	0.0055816	-112.623659
EXOSC6	5.2042E-05	3.9860273	3.99215647	17.96215039	0	0	8.64677805	0	#DIV/0!
F5	5.18044E-05	1.11337953	0.81170438	0.986718045	26.9470212	4.92686356	0.97060065	15.9369424	16.41967
FAAP20	5.83905E-07	5.46471452	4.19768544	12.84746096	0	0	7.50328698	0	#DIV/0!
FAM163B	3.22952E-08	23.5486068	18.0698937	49.52544133	0.61628829	1.44375654	30.381314	1.03002241	-29.4957795
FAM227A	0.013594417	0.82229382	0.9724241	2.526152882	0.08242136	0.12179244	1.44029027	0.1021069	-14.1057089
FAM43B	0.000151883	2.64785827	3.8392569	15.41015267	0.12056926	0.04948968	7.29908928	0.08502947	-85.841878
FAM71F2	0.000168289	0.45005996	0.70056817	0.693178641	0.25847425	0	0.61460226	0.12923713	-4.75561688
FANCI	1.99991E-17	0.7886156	0.72582938	0.620612596	31.3620057	26.2276181	0.71168586	28.7948119	40.4600028
FAXDC2	3.96009E-13	0.00736361	0.00415788	0	4.24824045	3.79581278	0.0038405	4.02202662	1047.26734
FBXO15	0.002051988	1.98535657	2.04129195	3.65070543	0.16371395	0.09304497	2.55911798	0.12837946	-19.934014
FBXO24	2.77774E-06	0.0856792	0.07740642	0.09300207	1.43830545	2.73516271	0.08536256	2.08673408	24.4455419
FBXO39	2.37984E-06	0	0.03699307	0	5.98626368	3.88574545	0.01233102	4.93600457	400.2916
FCGR1A	0.000121903	2.40510925	2.25599889	3.459494777	0	0	2.70686764	0	#DIV/0!
FREM1	0.001068035	2.9358532	2.70040689	1.351444124	0.15061279	0.12689687	2.32923474	0.13875483	-16.7866936
FRRS1	0.001632164	0.28104572	0.14282396	0.038133284	4.29989759	3.34607996	0.15400099	3.82298878	24.824443
FSD2	9.40577E-05	3.35317165	1.82468817	2.065353395	0.01325641	0.01632395	2.4144044	0.01479018	-163.243743
FUOM	0.003159155	3.97140037	3.76155054	15.64414084	0	0	7.79236392	0	#DIV/0!
GALNT9	0.016631689	11.2607083	11.6987542	17.08269251	2.57101463	1.87569661	13.347385	2.22335562	-6.00326141
GATD1	1.5495E-06	10.988813	10.5453023	21.2877885	0.51393828	0.27515818	14.2739679	0.39454823	-36.1780053
GC	0.012100203	0	0.0184831	0	0	0	0.00616103	0	#DIV/0!
GDPD2	0.002294869	4.15952386	3.25145227	8.875242408	0.29603565	0.27774356	5.42873951	0.2868896	-18.9227474
GFRA4	0.001415601	2.18352978	1.8244609	8.836696689	0.08046053	0	4.28156246	0.04023027	-106.4264
GGCT	3.63356E-05	1.25723249	1.33215802	2.063877343	22.2629641	18.4388728	1.55108929	20.3509185	13.1204042
GHRH	0.017073545	0	0	0	0.13690712	32.2002093	0	16.1685582	#DIV/0!
GNA13	0.008293745	12.7225319	12.7236221	15.59440536	2.09353621	1.5083115	13.6801865	1.80092385	-7.59620481
GNAL	0.0222476	6.83941173	5.38908754	3.942566446	1.11237378	0.25807403	5.39035524	0.68522391	-7.86656039
GNB1L	1.94003E-08	2.65835197	3.16140155	9.604345974	0.23314887	0.19686831	5.1413665	0.21500859	-23.9123775
GPC1	0.000207616	13.0069145	13.8808696	19.50555234	1.71172907	1.12024208	15.4644455	1.41598557	-10.9213298
GPC5	0.039667012	11.5904341	11.2354502	7.906462947	3.0713694	1.47942781	10.2441157	2.27539861	-4.50211919
GPR139	0.000227737	0	0	0	0.07537002	0.46405336	0	0.26971169	#DIV/0!
GPX2	0.038165663	0	0.08003531	0.096160631	1.20478263	3.98709397	0.05873198	2.5959383	44.1997399
GRK4	0.004991181	3.64394171	2.65670455	3.105521629	0.33326451	0.64122196	3.1353893	0.48724323	-6.43495707
GRXCR1	0.008748508	0.15457515	0.17456262	0.314599595	2.66877325	8.19054188	0.21457912	5.42965756	25.3037554
GRXCR2	0.000282488	0	0	0	1.07715046	3.05072815	0	2.06393931	#DIV/0!
GSTA3	0.000378238	0.0556883	0	0	0	0.58287029	0.01856277	0.29143514	15.6999832
GSTM1_1	1.19682E-05	45.0675291	31.8419196	157.9427828	1.88874227	2.49807938	78.2840772	2.19341082	-35.6905676
GSTM2	0.001116899	17.9094602	12.0897348	13.97448363	0.56138242	1.65083355	14.6578929	1.10610798	-13.2517739
GSTP1_1	4.57848E-08	0.1353577	0.03821506	0	7.69405662	13.4590526	0.05785759	10.5765546	182.803249
GUCY2D	6.82958E-06	0.04902557	0.04613739	0	5.833905	1.62492369	0.03172099	3.72941434	117.5693

HBB	4.50751E-12	2.47357938	0.55178818	2.154623568	125.111289	84.7021892	1.72666371	104.906739	60.7569027
HIST1H2BN	0.012163787	0.05556474	0	0.452353264	10.0951784	7.41510597	0.169306	8.75514218	51.7119429
HJV	0.008175302	0.08471304	0	0.091953332	2.21413451	1.95065679	0.05888879	2.08239565	35.361495
HKDC1	5.36647E-05	0.14901237	0.30050096	0.11553445	7.37327651	3.62064192	0.18834926	5.49695921	29.1849258
HMGB1P1	3.40638E-05	1.18729704	0.66170411	3.263777079	38.597803	38.3301221	1.70425941	38.4639626	22.5693121
HMMR	0.031031938	2.68298292	3.24129724	2.793769826	0.23202572	0.05442221	2.90601666	0.14322396	-20.2900169
HNF1B	4.44235E-09	0.00723733	0	0	1.47638102	2.0831436	0.00241244	1.77976231	737.742281
HOXD3	0.020029132	0.36771847	1.21247599	2.722575466	0.02411677	0.02375792	1.43425664	0.02393734	-59.9171232
HSD11B1	0.002556587	0.42022624	0.55974209	1.66667393	10.5094474	1.07139618	0.88221409	5.7904218	6.56351092
HSD17B11	3.28784E-07	6.1544343	7.65515604	7.429319883	0.04654044	0	7.07963674	0.02327022	-304.235939
HSD17B6	5.52848E-05	0.93964636	0.01360446	0.065381827	29.9761162	29.5048642	0.33954422	29.7404902	87.5894469
IFITM1	0.000393069	6.07817586	4.08762173	20.75670928	0	0	10.3075023	0	#DIV/0!
IGFBPL1	1.72636E-08	0.46564166	0.45281687	1.052998645	12.285858	20.679426	0.65715239	16.482642	25.0819173
IGSF22	0.000209156	0	0	0.025688072	0.25143917	0	0.00856269	0.12571958	14.6822523
IL17D	7.51342E-14	3.32699692	3.12130406	6.317067846	0.02188762	0	4.25512294	0.01094381	-388.815524
IL1A	0.001842715	0	0	0	1.12836319	2.24264837	0	1.68550578	#DIV/0!
IL32	0.041202429	3.15627485	0.83798799	0.822475736	0	0	1.60557952	0	#DIV/0!
INSC	4.82088E-05	0.04784938	0.05403658	0.021641246	3.54176676	5.04996468	0.04117573	4.29586572	104.330032
ITGA2	0.000964566	0.34109469	0.82876413	0.79939809	0	0	0.65641897	0	#DIV/0!
ITGAM	0.004614892	1.75918048	2.31162994	0.486224179	16.2679614	33.0747294	1.51901153	24.6713454	16.2417104
ITGB7	0.041500793	0.66994148	1.06809717	1.924942126	0.03588887	0	1.22099359	0.01794444	-68.0430204
ITM2A	6.55849E-12	0	0	0	19.0358176	47.1555884	0	33.095703	#DIV/0!
IZUMO1	2.4394E-20	0.01640252	0	0	4.06055149	12.6613617	0.00546751	8.36095659	1529.2087
JRK	0.006904267	1.6775227	1.85488202	2.316142248	0.17235676	0.11576738	1.94951565	0.14406207	-13.5324702
KBTBD11	1.79226E-06	24.972054	29.2005022	27.25107344	1.80972745	2.14129703	27.1412099	1.97551224	-13.7388214
KCNJ16	0.026907668	2.61463538	2.506978	2.732941228	0.10674779	0.30045549	2.61818487	0.20360164	-12.8593505
KCNK13	0.029998745	0.12916699	0.47650552	0.747769051	0.03659645	0.04506488	0.45114719	0.04083066	-11.0492252
KCNU1	0.000100556	0.01022924	0.03465581	0	1.76066579	1.39185679	0.01496168	1.57626129	105.353201
KIF17	3.5898E-05	1.67817951	1.9545879	1.955804877	0.48068971	0.2477811	1.86285743	0.3642354	-5.11443263
KLHDC9	0.030367658	1.3540075	1.33120653	2.031688988	17.330885	11.1708154	1.572301	14.2508502	9.06369082
KLHL4	0.046391879	0.11795747	0.31854579	0.08350377	4.82780777	3.8380584	0.17333568	4.33293309	24.9973529
KRBA1	0.002819081	2.09025261	1.4565	3.251432171	0.12229911	0.21905336	2.26606159	0.17067623	-13.2769603
LAIR1	0.001755832	2.30190665	1.84353345	3.088372553	0	0.10779984	2.41127089	0.05389992	-44.7360761
LCN9	0.001758073	1.12860137	1.18478005	2.674429397	0	0	1.6626036	0	#DIV/0!
LCT	0.000651016	0	0	0	0.74517805	0.11894978	0	0.43206391	#DIV/0!
LGALS3	9.6166E-06	3.40168474	1.25355596	0.825936401	34.7344057	47.0351042	1.82705903	40.884755	22.3773585
LIPJ	9.81684E-06	0.23887679	0.13852795	0.052559437	0	0	0.14332139	0	#DIV/0!
LIPM	0.00021852	0	0	0	1.39244347	3.00064712	0	2.1965453	#DIV/0!
LMOD1	0.010273842	2.46244904	3.46119034	1.512197251	0.0640071	0.07881837	2.47861221	0.07141273	-34.708268
LOC100137843	6.10006E-12	0.01138235	0	0	13.1093128	3.9314601	0.00379412	8.52038644	2245.68348

LOC100137981	8.22741E-09	0.03797954	0.01072263	0	3.51065009	4.47208556	0.01623405	3.99136782	245.863891
LOC100138077	2.14253E-11	0.06487351	0.01831551	0	7.06496289	22.2375334	0.02772967	14.6512481	528.359955
LOC100138131	0.000594458	0.03289121	0.13000482	0	2.79568648	5.16391432	0.05429868	3.9798004	73.294611
LOC100139044	3.0278E-09	0	0	0	4.49628715	5.11670216	0	4.80649465	#DIV/0!
LOC100139276	2.79241E-07	0.08037467	0.10589551	0	17.3353998	3.57532927	0.06209006	10.4553645	168.390314
LOC100139345	5.55146E-07	4.06914137	4.41122516	2.195594396	0.01259537	0.01550994	3.55865364	0.01405266	-253.2371
LOC100139419	6.45068E-35	0.46952201	0.11362156	0.182018337	298.339228	815.251437	0.25505397	556.795333	2183.04907
LOC100139951	1.40538E-06	0.01401558	0.01582788	0	3.7525832	2.71388104	0.00994782	3.23323212	325.019145
LOC100140058	4.66589E-07	0	0	0	4.25758257	7.07460687	0	5.66609472	#DIV/0!
LOC100140533	1.08991E-05	0.02417102	0.05459294	0	6.88253396	3.28886624	0.02625465	5.0857001	193.706619
LOC100140567	8.31773E-09	0.12625802	0	0	8.08229438	11.3979306	0.04208601	9.74011247	231.433515
LOC100140586	1.13529E-05	2.8452098	2.23367658	2.878429517	0.02651723	0	2.65243863	0.01325861	-200.054008
LOC100140915	1.84613E-10	3.30849802	3.93587146	4.915351435	0	0	4.0532403	0	#DIV/0!
LOC100141025	8.65555E-11	0	0	0	11.5051314	20.1885789	0	15.8468552	#DIV/0!
LOC100141107	5.2905E-11	0	0	0	10.1980642	27.2925041	0	18.7452842	#DIV/0!
LOC100141197	8.76284E-07	0	0	0	0.65156611	0.4011694	0	0.52636776	#DIV/0!
LOC100141258	0.000675957	3.07086914	0.96005408	1.977400134	0	0	2.00277445	0	#DIV/0!
LOC100141266	4.0047E-16	2.1620802	4.06501697	4.662025362	173.540803	150.457247	3.62970751	161.999025	44.6314268
LOC100294910	1.46164E-07	0	0	0	9.13236259	11.920331	0	10.5263468	#DIV/0!
LOC100294936	2.64713E-09	0.00395221	0.00446325	0	1.46969156	1.50987262	0.00280515	1.48978209	531.087942
LOC100295066	1.18419E-09	0	0	0	9.64174122	29.3207634	0	19.4812523	#DIV/0!
LOC100295495	0.003344465	0.06388055	0	0	0.6787147	60.8440254	0.02129352	30.7613701	1444.63559
LOC100295971	1.70674E-16	0.05131388	0	0	40.4536216	57.199522	0.01710463	48.8265718	2854.58267
LOC100296121	0.02543826	2.74293968	3.348846	3.254947526	0.28753169	0.31205875	3.11557774	0.29979522	-10.3923529
LOC100296162	0.028626904	0.00583895	0.00250116	0	0.11680139	0.06743644	0.00278004	0.09211891	33.135876
LOC100296277	4.82087E-05	0.11246036	0	0	24.7336643	5.00260642	0.03748679	14.8681354	396.623355
LOC100296458	1.55421E-09	0.00109573	0	0	0.24680823	0.91749361	0.00036524	0.58215092	1593.86564
LOC100297240	0.011024437	2.40906582	1.73968556	25.74940036	333.12739	298.204336	9.96605058	315.665863	31.6741181
LOC100297586	1.39294E-22	0.41921608	0.09468463	0	90.8629309	142.603185	0.17130024	116.733058	681.452978
LOC100297725	4.93602E-09	0.04220423	0.04766148	0.057264196	6.59161619	14.1355869	0.0490433	10.3636015	211.315338
LOC100297915	2.294E-12	0.00351504	0.00793912	0	4.33965837	1.52681634	0.00381805	2.93323735	768.254437
LOC100298078	2.89027E-07	0	0	0	2.39552484	3.13813865	0	2.76683175	#DIV/0!
LOC100298410	2.68463E-28	0.2120422	0.06841728	0.164403659	75.7616382	175.806018	0.14828771	125.783828	848.241738
LOC100299139	3.82123E-05	3.12312848	3.62207646	0.342814805	77.0280317	48.5188602	2.36267325	62.7734459	26.5688224
LOC100299281	4.36661E-08	11.2064427	16.0069304	26.19860628	0	0	17.8039931	0	#DIV/0!
LOC100299705	6.3763E-07	0.01205448	0	0	2.35659503	1.10398832	0.00401816	1.73029167	430.617899
LOC100299712	2.13739E-10	2.26012363	2.98349343	1.824204987	0.01175679	0.07238658	2.35594068	0.04207169	-55.9982465
LOC100299869	7.24624E-10	0.08069122	0	0	7.15865402	25.8648691	0.02689707	16.5117616	613.886955
LOC100300045	9.07461E-23	0.01984245	0	0	13.2395619	22.8971726	0.00661415	18.0683672	2731.77441
LOC100300115	2.43193E-08	0.1129111	0	0	13.5160797	12.6058841	0.03763703	13.0609819	347.024729

LOC100300220	2.20606E-34	0.00889562	0.00251147	0	7.43350524	10.9517583	0.00380236	9.19263178	2417.60992
LOC100300697	0.002072311	0.26911035	0.29740719	0.179640334	0	0.00753124	0.24871929	0.00376562	-66.0499871
LOC100300748	0.00086922	0.22256285	0.01933396	0	6.43918974	5.28614736	0.08063227	5.86266855	72.7087117
LOC100300938	0.000220042	1.24723845	1.20438125	3.48269927	0	0	1.97810633	0	#DIV/0!
LOC100301147	6.57543E-08	0	0	0	4.04680896	7.63390311	0	5.84035604	#DIV/0!
LOC100335190	5.8963E-20	2.49070413	2.2660575	5.562381166	0.00163808	0	3.43971427	0.00081904	-4199.70268
LOC100335553	2.05748E-07	3.3823887	2.49615383	3.428876171	0.02991636	0.07367804	3.1024729	0.0517972	-59.896538
LOC100335608	6.96239E-09	3.4118858	3.85306256	7.23864832	0	0	4.83453223	0	#DIV/0!
LOC100335642	8.6075E-07	0.32440149	0.51899371	0.200072498	0	0	0.34782257	0	#DIV/0!
LOC100335990	0.006912393	1.19450816	2.27283607	0.47669153	0.010665	0	1.31467859	0.0053325	-246.540791
LOC100336369	1.74041E-07	0.03753674	0	0.03395412	5.02511142	3.01211134	0.02383029	4.01861138	168.63463
LOC100336476	8.88739E-24	17.7146353	15.5098712	15.70578942	0	0	16.3100986	0	#DIV/0!
LOC100336757	3.53632E-06	0.2096749	0.23206708	0.224949037	0	0	0.22223034	0	#DIV/0!
LOC100337103	4.29271E-06	0.11528442	0.01183558	0	5.83482546	4.16840078	0.04237333	5.00161312	118.036809
LOC100337136	3.51284E-09	0.82713722	1.18135025	0.462119094	21.4533629	68.3676838	0.82353552	44.9105234	54.5338023
LOC100337293	0.00029231	2.94402991	2.73678618	2.097941083	0.06637576	0.14984775	2.59291906	0.10811175	-23.9836923
LOC100337323	5.06461E-05	1.76665301	1.22007523	1.216967753	0.01443865	0	1.401232	0.00721932	-194.09462
LOC100337328	1.20298E-06	0.63209552	0.56928219	0.446109542	0.00902322	0.01269851	0.54916242	0.01086087	-50.5633978
LOC100337355	2.21195E-07	0	0.03306213	0	4.07482745	4.0601595	0.01102071	4.06749347	369.077234
LOC100337384	2.49441E-06	0	0	0	4.28039885	8.21637955	0	6.2483892	#DIV/0!
LOC100847122	0.004544534	4.09255007	3.16557582	11.8665089	0.07941975	0	6.37487827	0.03970988	-160.536346
LOC100847180	1.14607E-07	5.04777349	4.9860596	4.601764182	0.18670608	0.09196398	4.87853242	0.13933503	-35.0129644
LOC100847257	1.00675E-06	2.99576793	4.1395142	4.859937227	0.05801205	0.18097137	3.99840645	0.11949171	-33.4617895
LOC100847284	0.00400765	4.0478861	3.99757533	11.27370119	0.10447232	0.25729451	6.43972088	0.18088341	-35.6015004
LOC100847304	0.00358067	0.06731498	0	0.274006099	8.51093641	5.10807988	0.11377369	6.80950815	59.8513408
LOC100847335	7.90464E-12	8.17068554	13.1615011	6.189271214	0	0	9.17381928	0	#DIV/0!
LOC100847345	0.000139276	0.71911297	0.53718577	0.599857809	0	0	0.61871885	0	#DIV/0!
LOC100847357	4.36491E-07	0.6045644	0.53828349	1.05779624	0.02718119	0.01937791	0.73354804	0.02327955	-31.5104072
LOC100847561	0.00168401	0.35636812	0.5450485	1.142203819	0	0	0.68120681	0	#DIV/0!
LOC100847612	1.32937E-08	0.67300742	0.84416751	0.532396115	0	0	0.68319035	0	#DIV/0!
LOC100847643	8.87103E-05	0.01050973	0	0	6.43179981	0.44000673	0.00350324	3.43590327	980.778162
LOC100847677	4.27695E-08	0	0	0	0	0	0	0	#DIV/0!
LOC100847686	0.000258626	12.4448787	9.54627485	15.30229223	0.66569515	1.33890426	12.4311486	1.00229971	-12.4026262
LOC100847759	8.42009E-11	36.8488208	32.1514238	105.0441906	0.47613088	0.74620989	58.0148117	0.61117038	-94.9241214
LOC100847802	5.6583E-07	1.44237162	1.74112514	2.452599083	0.02455903	0	1.87869862	0.01227952	-152.994526
LOC100847890	6.30983E-21	3.6693432	3.33866189	5.477156085	0	0	4.16172039	0	#DIV/0!
LOC100847934	1.96415E-07	1.14995164	1.06201726	0.920608086	0	0	1.04419233	0	#DIV/0!
LOC100847972	8.79164E-11	2.30213266	2.55802917	3.525223261	0	0.02151395	2.79512836	0.01075698	-259.843287
LOC100848011	0.000100927	4.46391369	7.38188788	5.412803781	0.25533221	0.1572081	5.75286845	0.20627015	-27.8899702
LOC100848077	0.00410562	0.0197867	0.04096628	0.044745509	0.00700763	0.01725839	0.03516616	0.01213301	-2.89838856

LOC100848208	1.24533E-05	2.85324915	2.04955815	3.724375206	0	0	2.8757275	0	#DIV/0!
LOC100848212	2.21908E-22	8.13439409	8.74717154	11.98138076	0.00577713	0	9.62098213	0.00288857	-3330.71252
LOC100848226	3.44913E-05	0.73024737	0.76969444	0.983486176	0.00574718	0	0.82780933	0.00287359	-288.074914
LOC100848264	2.28857E-23	16.0084881	14.4395916	18.98753119	0	0	16.4785369	0	#DIV/0!
LOC100848307	6.98369E-10	2.69871889	6.57002339	6.79640008	0	0.04551003	5.35504745	0.02275502	-235.334805
LOC100848320	0.000593087	0.98220136	0.50418442	0.646150674	9.61343982	14.1744402	0.71084548	11.89394	16.7321032
LOC100848324	1.04565E-12	6.99223764	8.58461506	12.04377959	0.07908531	0.02434642	9.20687743	0.05171587	-178.028103
LOC100848357	0.004546046	3.85650801	5.38200738	16.47787595	0.02220836	0.16408431	8.57213045	0.09314634	-92.0286379
LOC100848369	8.12376E-05	1.53109185	1.34676382	3.862576757	0	0	2.24681081	0	#DIV/0!
LOC100848447	2.3857E-07	3.28015919	4.27171262	2.311504218	0.13362648	0.18283078	3.28779201	0.15822863	-20.7787431
LOC100848504	0.000284695	1.37987907	1.88636982	0.039416191	66.0510661	32.0780387	1.10188836	49.0645524	44.5276983
LOC100848538	0.001425559	0.26467939	0.4547681	0.794107908	0.00928103	0.0137144	0.50451846	0.01149771	-43.8798996
LOC100848598	0.032807322	0.35873592	0.40512257	0	0.08968185	0	0.2546195	0.04484093	-5.67828357
LOC100848658	0.000420921	0.41008098	0.33446606	0.578893785	0	0	0.44114694	0	#DIV/0!
LOC100848665	3.87295E-14	9.83631725	12.3085483	36.6411206	0	0	19.5953287	0	#DIV/0!
LOC100848699	0.004024784	2.80437469	3.64807558	4.608792751	0.35587739	0.44705094	3.68708101	0.40146416	-9.18408499
LOC100848703	0.001076386	5.8066133	4.29366287	10.33755188	0.2357725	0.30968571	6.81260935	0.2727291	-24.9793999
LOC100848862	0.00086634	0.00149043	0.00168315	0	0.08234418	0.67079115	0.00105786	0.37656766	355.971555
LOC100848883	4.47073E-10	10.7946286	8.64594861	21.2149214	0.11304168	0.28999912	13.5518329	0.2015204	-67.2479443
LOC100848895	0.000319035	3.59575702	3.16004509	4.266675896	0.25178817	0.04770032	3.67415934	0.14974424	-24.5362311
LOC100848906	4.36667E-24	28.8097522	39.8403609	38.2066406	0	0	35.6189179	0	#DIV/0!
LOC100848939	9.99343E-08	3.53328769	4.54792707	2.714932985	0	0	3.59871592	0	#DIV/0!
LOC100848958	1.93753E-06	0.84946015	1.22577262	0.366528564	0	0	0.81392044	0	#DIV/0!
LOC100848959	0.010057994	8.14909816	9.30367702	14.86786018	1.0247527	0.18694532	10.7735451	0.60584901	-17.7825579
LOC100849043	0.003829878	0.36717705	0.35902822	0.266848545	0.03604023	0.01416382	0.33101794	0.02510203	-13.1869016
LOC100849069	7.11423E-08	0.37872357	0.58348075	0.275592733	0	0.00442902	0.41259902	0.00221451	-186.316347
LOC100849587	2.12885E-13	1.03569099	0.90639974	1.162729809	0	0	1.03494018	0	#DIV/0!
LOC100849652	0.000433974	0.25121394	0.25508923	0.203367872	0.00224293	0	0.23655701	0.00112146	-210.935859
LOC100849762	0.033829844	0.5287886	1.21276914	0.964458865	0.100016	0.02764811	0.90200554	0.06383205	-14.1309186
LOC100850276	7.85517E-07	4.40712933	3.33786618	2.936164651	0	0	3.56038672	0	#DIV/0!
LOC100851323	1.12718E-11	1.65076209	1.68608821	1.398453489	0.01023424	0.00630122	1.5784346	0.00826773	-190.915041
LOC100851369	0.030793762	0.23487939	0.16043387	0.539721544	0	0	0.31167827	0	#DIV/0!
LOC100851552	0.00037247	1.76295621	0.39276589	0.065089571	0	0	0.74027056	0	#DIV/0!
LOC101901896	4.1392E-07	0.70480125	0.39796809	0.7312878	15.2409657	27.0125156	0.61135238	21.1267406	34.5573867
LOC101901940	7.03544E-06	0.0540457	0	0	1.66524361	8.24946665	0.01801523	4.95735513	275.175742
LOC101902002	4.16296E-16	0.5899753	0.05552188	0	68.9517283	177.790506	0.21516573	123.371117	573.377176
LOC101902029	4.70062E-08	5.35651872	5.62595647	18.42401572	0	0	9.80216364	0	#DIV/0!
LOC101902036	4.13958E-06	1.28940425	1.20308446	1.221456387	0	0.02057279	1.2379817	0.01028639	-120.351369
LOC101902122	6.74301E-07	0.18882568	0.1435451	0.02529036	0.00121023	0.00081288	0.11922038	0.00101155	-117.858949
LOC101902128	0.000756195	0.90980044	0.72899524	0.523171506	0.01380914	0.01133639	0.72065573	0.01257277	-57.3187858

LOC101902198	0.009640448	0.47027566	0.83067149	1.03620926	0.02562339	0.0210351	0.77905213	0.02332924	-33.3938025
LOC101902249	8.21669E-11	0.08368475	0.18617212	0.101038466	0.0010176	0.00156634	0.12363178	0.00129197	-95.6922573
LOC101902290	2.39023E-05	0.14402516	0	0.156334768	28.8907613	3.91940041	0.10011998	16.4050809	163.854225
LOC101902293	2.70325E-16	1.06321156	1.49261895	1.123410803	0.0120663	0.00707545	1.22641377	0.00957088	-128.140189
LOC101902361	0.000549455	0.62725475	0.30358391	0.573622751	0	0	0.50148714	0	#DIV/0!
LOC101902413	0.003174392	0.06203429	0.00875696	0	0.75796347	4.62620202	0.02359708	2.69208275	114.085406
LOC101902444	0.004136928	0.23801116	0.46981326	0.591608056	0.0042501	0	0.43314416	0.00212505	-203.827822
LOC101902451	2.9267E-06	0.11709901	0.2441365	0.195549676	7.21605566	6.78813255	0.18559506	7.00209411	37.7278039
LOC101902458	0.000433932	0.57771453	0.38154709	1.014823467	0	0	0.65802836	0	#DIV/0!
LOC101902469	2.41782E-13	0.48457735	0.60185848	0.332999543	0.00063444	0.00156251	0.47314512	0.00109848	-430.728513
LOC101902607	1.74511E-06	0	0	0	2.63762576	5.3662171	0	4.00192143	#DIV/0!
LOC101902644	0.008018264	0.56369168	0.56168851	0.917804327	0.01409196	0	0.6810615	0.00704598	-96.6596003
LOC101902665	3.63445E-11	2.25757579	2.79230243	3.996693424	0	0	3.01552388	0	#DIV/0!
LOC101902681	8.13723E-25	0.23476101	0.07953509	0	60.4113776	229.7447	0.10476537	145.078039	1384.79007
LOC101902760	3.1394E-22	3.59714444	1.41110648	3.699082335	374.302401	341.62486	2.90244442	357.96363	123.331778
LOC101902768	4.88036E-07	0.48135533	0.47245995	0.247540561	0.00441975	0.01088496	0.40045195	0.00765235	-52.3305672
LOC101902786	2.82607E-06	0.13985762	0.24819462	0	10.2318408	9.82865026	0.12935075	10.0302455	77.5430052
LOC101902787	0.026046926	0.10083694	0.05693787	0.342047882	4.01762663	7.51990691	0.16660757	5.76876677	34.6248788
LOC101902800	7.89913E-08	0.08273516	0	0	5.71376122	12.5564254	0.02757839	9.13509333	331.24105
LOC101902807	5.41889E-05	0.75944544	0.57949066	0	34.7835722	20.1943852	0.44631203	27.4889787	61.5913907
LOC101902809	0.024442767	0.87578354	0.92949378	1.45825629	0.03252226	0.08009585	1.08784454	0.05630905	-19.3191768
LOC101902851	0.000403086	1.10430022	1.08022817	0.49593402	0	0	0.89348747	0	#DIV/0!
LOC101902895	1.12303E-07	1.20843407	1.00868513	3.240407833	0	0	1.81917568	0	#DIV/0!
LOC101902916	7.22568E-06	0.01750315	0.00988321	0	1.17158935	3.29759002	0.00912879	2.23458969	244.785001
LOC101902926	1.35048E-10	3.95698683	4.78078486	2.089425092	0	0.01475995	3.60906559	0.00737997	-489.034957
LOC101902972	0.001122742	1.44178989	3.22812659	4.763096672	0	0	3.14433772	0	#DIV/0!
LOC101903064	4.51478E-09	0.04408657	0	0	13.2091264	26.3020218	0.01469552	19.7555741	1344.32588
LOC101903101	2.68572E-16	0.02386389	0	0	6.03443776	16.4018984	0.00795463	11.2181681	1410.26907
LOC101903125	1.57204E-14	0	0.00721898	0.034693761	5.16174313	9.93570159	0.01397091	7.54872236	540.317042
LOC101903159	1.98386E-07	0	0	0	2.14001697	6.69487771	0	4.41744734	#DIV/0!
LOC101903248	0.000102713	0.14405098	0.12183215	0.182761713	0	0	0.14954828	0	#DIV/0!
LOC101903284	0.000724825	0.00732132	0.00763201	0.012226253	0.25490268	0.1738906	0.00905986	0.21439664	23.6644488
LOC101903301	1.79681E-25	0.13179565	0	0.059608344	53.3979388	66.9037948	0.06380133	60.1508668	942.783868
LOC101903326	0.00011906	2.85453101	2.38468805	2.057384184	0.04324944	0	2.43220108	0.02162472	-112.473172
LOC101903509	1.19719E-05	0.01859493	0.04199873	0	2.41031079	5.44954866	0.02019789	3.92992972	194.571333
LOC101903557	0.001701956	0.27882971	0.25283017	0.0976782	0.01514965	0.01547024	0.20977936	0.01530994	-13.7021651
LOC101903564	5.40137E-06	0.97090174	0.78464345	1.276186726	0	0	1.01057731	0	#DIV/0!
LOC101903637	7.32741E-10	0	0.00552183	0	3.00274269	1.2538502	0.00184061	2.12829645	1156.29902
LOC101903647	2.64942E-06	0.14667354	0.39151105	0.796047538	0	0	0.44474404	0	#DIV/0!
LOC101903678	3.81632E-10	1.98391488	1.88283103	2.57065817	0	0	2.14580136	0	#DIV/0!

LOC101903758	1.80238E-07	0	0	0	7.94713216	12.3389982	0	10.1430652	#DIV/0!
LOC101903806	5.49159E-09	0.04791041	0.02705275	0	18.070779	5.64144466	0.02498772	11.8561118	474.477524
LOC101903811	1.85942E-08	0.00572588	0.00646627	0	1.92241801	1.79792383	0.00406405	1.86017092	457.713746
LOC101903835	0.008008043	0.79964623	1.19592468	7.389651247	0	0	3.12840739	0	#DIV/0!
LOC101903874	9.6568E-15	0.01146574	0	0	4.98246204	1.90512604	0.00382191	3.44379404	901.065525
LOC101903906	0.014131348	0.5540943	1.56435482	4.431750817	0	0	2.18339998	0	#DIV/0!
LOC101904087	0.000578529	0.35078191	0.38940952	0.289961891	0.01718748	0.01336716	0.34338444	0.01527732	-22.4767455
LOC101904377	2.45877E-09	0.59379226	0.83795481	0.54549838	0	0	0.65908182	0	#DIV/0!
LOC101904378	2.94895E-05	0.3034237	0.45254508	0.215785527	0.00555828	0	0.3239181	0.00277914	-116.553434
LOC101904405	5.55423E-12	0.00983507	0.00925567	0.00444819	1.4925385	0.59619567	0.00784631	1.04436709	133.103001
LOC101904435	2.20102E-07	5.00790521	4.61145821	3.555083078	0.02100996	0.07761503	4.39148217	0.0493125	-89.054142
LOC101904444	2.58828E-08	0.03289121	0	0	7.96770647	10.3278286	0.01096374	9.14776756	834.365879
LOC101904492	8.04469E-09	1.02785941	0.86307251	0.341105998	0	0.003759	0.74401264	0.0018795	-395.856968
LOC101904520	1.55071E-08	2.6092565	2.39964643	4.365757598	0.03063281	0.030177	3.12488684	0.03040491	-102.775741
LOC101904552	4.62328E-08	0.11015282	0.4479059	0.799344479	0	0	0.45246774	0	#DIV/0!
LOC101904573	1.16711E-10	0.2168067	0	0.147085525	22.4016986	20.8486521	0.12129741	21.6251753	178.282253
LOC101904592	0.007086573	0.38036879	0.54895904	0.54404545	0.01750753	0	0.49112442	0.00875377	-56.1043508
LOC101904595	9.73415E-07	0.2114964	0.11146059	0	6.50159769	14.9790991	0.10765233	10.7403484	99.7688424
LOC101904633	0.003320488	0.11858204	0.288121	0.175523279	0.00190895	0	0.19407544	0.00095447	-203.332566
LOC101904667	2.70831E-19	0.53501526	0.06250302	0.200255931	73.7012162	58.025725	0.26592474	65.8634706	247.677112
LOC101904673	2.75168E-08	0.90734563	0.68185112	1.128715246	0	0	0.90597067	0	#DIV/0!
LOC101904759	0.008601469	1.03434081	0.75694223	0.89963489	0	0.03785346	0.89697264	0.01892673	-47.3918475
LOC101904827	0.000918969	0.21799421	0.23298791	0.02935136	0.00683959	0.003883	0.16011116	0.00536129	-29.8642835
LOC101904849	1.5537E-05	0.59425508	0.49952601	0.999674051	0.00571386	0.00703604	0.69781838	0.00637495	-109.462566
LOC101904854	2.98047E-27	0	0	0	41.8436954	159.731669	0	100.787682	#DIV/0!
LOC101904857	5.5777E-05	0.98984828	1.47878303	1.093866867	0.01013676	0.02496482	1.18749939	0.01755079	-67.6607341
LOC101904947	0.045130235	0.28188939	0.51730142	1.816768393	0.07487509	0	0.8719864	0.03743755	-23.2917614
LOC101905041	5.169E-06	1.41366567	1.21609605	1.403182533	0	0	1.34431475	0	#DIV/0!
LOC101905049	0.023067489	0.17554121	0.18792667	0.064708015	0.00431233	0	0.1427253	0.00215616	-66.194108
LOC101905127	1.05245E-18	1.53569242	2.01670178	2.071041977	0.00304551	0.00375025	1.87447872	0.00339788	-551.661021
LOC101905156	9.83808E-07	0.15760179	0.08899031	0	6.6979174	14.7086095	0.08219737	10.7032634	130.214185
LOC101905172	0.000286323	0.10058492	0.14956166	0.104632517	0	0	0.1182597	0	#DIV/0!
LOC101905203	1.42951E-05	0.27159625	0.03067152	0.147404582	7.09867855	9.45199193	0.14989078	8.27533524	55.2090997
LOC101905219	0.005320122	2.5755762	3.46801306	3.199289855	0.39753411	0.16009579	3.0809597	0.27881495	-11.0501954
LOC101905228	8.448E-13	5.46755774	3.51500953	2.041681883	0	0	3.67474972	0	#DIV/0!
LOC101905254	1.54376E-05	0.38651017	0.15872298	0	10.8637526	14.5269106	0.18174438	12.6953316	69.8526768
LOC101905297	4.80786E-05	1.50316155	1.63899363	1.156522522	0	0	1.43289257	0	#DIV/0!
LOC101905309	0.000284474	0.31521513	0.41561396	0.295579866	0	0	0.34213632	0	#DIV/0!
LOC101905319	2.41996E-06	0.36563421	0.30519645	0.411264275	0	0	0.36069831	0	#DIV/0!
LOC101905484	0.00104923	1.11942392	0.88492038	6.061688973	0	0	2.68867776	0	#DIV/0!

LOC101905509	3.57241E-07	0.8286761	1.35267284	3.237145072	0	0	1.80616467	0	#DIV/0!
LOC101905566	3.95953E-10	0.00557296	0	0.015123185	1.36778132	1.8665686	0.00689872	1.61717496	234.416817
LOC101905586	0.000195691	0.75343008	1.07727046	0.263444902	0	0	0.69804848	0	#DIV/0!
LOC101905651	0.001179517	0.07266785	0.09338343	0.047599192	1.20337611	1.33758816	0.07121682	1.27048214	17.8396348
LOC101905677	1.06944E-14	0.11811875	0	0	29.1783293	24.5716256	0.03937292	26.8749775	682.575254
LOC101905702	0.001056024	0.04478892	0.02933346	0.01638346	0	0	0.03016861	0	#DIV/0!
LOC101905706	2.23646E-10	0.1819461	0.36528496	0.219440837	17.7848092	20.7364419	0.2555573	19.2606255	75.3671513
LOC101905720	0.001352296	0.00802259	0.07247965	0	2.14799722	1.93130249	0.02683408	2.03964985	76.0096804
LOC101905853	3.23666E-09	0.9331271	0.76569266	0.394833703	0	0	0.69788449	0	#DIV/0!
LOC101905875	1.01683E-08	1.4478038	1.61496934	1.548151106	0	0	1.53697475	0	#DIV/0!
LOC101905919	0.003210015	0.00980725	0.00553769	0	0.22402902	0.68005021	0.00511498	0.45203961	88.3756386
LOC101905979	0.000248787	4.45705678	1.844292	4.524078959	36.0043395	82.4395846	3.60847591	59.2219621	16.4119045
LOC101905990	0.000402028	1.08756033	1.0036807	1.840583932	0	0	1.31060832	0	#DIV/0!
LOC101906006	1.1823E-05	0.18139768	0.14936953	0.081238467	0.00839236	0.00744073	0.13733523	0.00791654	-17.3478746
LOC101906018	0.000831156	0.48044113	0.31708343	0.880460794	0	0	0.55932845	0	#DIV/0!
LOC101906065	1.47499E-09	0	0	0	6.13473738	4.6611751	0	5.39795624	#DIV/0!
LOC101906082	4.8708E-11	1.60154754	2.44194078	0.732218893	0	0	1.59190241	0	#DIV/0!
LOC101906120	0.000276835	0.04821792	0.21781112	0.752373614	15.3178677	15.9605168	0.33946755	15.6391922	46.0697705
LOC101906230	5.54859E-07	10.1411263	11.2957741	8.438637318	0.23029406	0.63522861	9.95851259	0.43276133	-23.0115582
LOC101906273	2.38329E-07	0.07941176	0.08968016	0	5.27331191	13.298808	0.05636397	9.28605994	164.751694
LOC101906280	8.06572E-13	0.10871711	0	0	15.2472128	30.1544697	0.03623904	22.7008413	626.419566
LOC101906366	9.35613E-15	1.12996999	0.11000704	0.15860519	110.617542	107.258714	0.46619407	108.938128	233.675489
LOC101906426	5.6821E-06	0.0646873	0	0.058513358	3.94044146	6.99628377	0.04106689	5.46836261	133.157466
LOC101906455	0.011403539	2.47389905	0.69382169	0.696528443	6.71329561	23.7499516	1.28808306	15.2316236	11.8250322
LOC101906490	0.00207077	0.21090485	0.32038914	0.147197318	0.00985805	0.00373514	0.22616377	0.0067966	-33.2760346
LOC101906565	0.046738066	0.42001969	0	0.732725574	6.94891098	23.2370645	0.38424842	15.0929877	39.2792446
LOC101906593	0.010005805	0.22241276	0.45667643	0.065319817	0	0	0.24813634	0	#DIV/0!
LOC101906607	0.000320248	0.48168986	0.5822733	0.548763527	0.02535563	0.02300637	0.53757556	0.024181	-22.2313209
LOC101906656	9.22832E-05	0.52043404	0.44207457	0.767547205	0	0	0.57668527	0	#DIV/0!
LOC101906779	0.015093263	0.45663476	0.49276118	0.132176705	0	0	0.36052422	0	#DIV/0!
LOC101906855	1.13088E-09	0.36574256	0.61955281	0.744378789	20.3622341	32.4431591	0.57655805	26.4026966	45.793648
LOC101906916	2.38754E-10	0.34619134	0.81449148	0	34.8202537	117.158719	0.38689427	75.9894863	196.40892
LOC101906966	5.06083E-14	0.05765428	0.06510931	0.078227374	13.2007145	14.9353243	0.06699699	14.0680194	209.979881
LOC101907107	0.000352906	0.352575	0.35464971	0.721500672	0	0	0.47624179	0	#DIV/0!
LOC101907120	1.21591E-14	0	0	0	27.7747468	43.1900308	0	35.4823888	#DIV/0!
LOC101907203	3.18474E-06	0.87306092	1.07814894	0.315188901	0.0342395	0.01756773	0.75546625	0.02590361	-29.1645111
LOC101907306	5.94292E-20	11.1934048	8.91791124	10.20501868	0	0	10.1054449	0	#DIV/0!
LOC101907322	1.2967E-06	1.3169202	1.11049923	2.762772318	0	0	1.73006392	0	#DIV/0!
LOC101907327	0.001895467	0.46304624	1.21928569	0.261263962	0	0	0.6478653	0	#DIV/0!
LOC101907487	0.007200234	0.18338293	0.56752108	0.253605495	0	0	0.3348365	0	#DIV/0!

LOC101907491	3.35558E-11	1.57493464	2.05800507	2.411341563	0	0	2.01476042	0	#DIV/0!
LOC101907518	2.00456E-11	0	0	0	23.7137015	40.8340059	0	32.2738537	#DIV/0!
LOC101907523	6.5584E-12	0.6609976	0.43035723	0.392092835	0.01061276	0.00790192	0.49448256	0.00925734	-53.415187
LOC101907566	1.34425E-12	2.73212527	2.65210359	2.650881124	0.00937147	0	2.67836999	0.00468574	-571.600546
LOC101907574	2.29334E-08	10.2784308	10.0609194	15.36439249	0.29820776	0.43052578	11.9012476	0.36436677	-32.6628238
LOC101907615	0.001369246	0.28598295	0.54730427	0.139293485	0.00566619	0.00348868	0.32419357	0.00457744	-70.8242737
LOC101907648	1.38688E-06	0.04518585	0.00463897	0	5.2198683	1.26835163	0.01660827	3.24410997	195.330989
LOC101907658	3.89135E-09	0	0	0	4.68751969	28.914025	0	16.8007724	#DIV/0!
LOC101907661	8.2836E-05	1.5065162	0.98592254	3.19254385	0	0	1.8949942	0	#DIV/0!
LOC101907729	4.14499E-07	0.46885488	0.73297737	0.411128458	0.01402371	0.02102289	0.53765357	0.0175233	-30.6822141
LOC101907740	1.19159E-05	0	0	0	0.92217107	3.5758118	0	2.24899143	#DIV/0!
LOC101907782	4.54343E-08	1.92609219	1.34859124	1.648446284	0	0	1.64104324	0	#DIV/0!
LOC101907803	1.35304E-08	0.17459908	0.59544902	0.349201769	0.00491953	0.0040386	0.37308329	0.00447907	-83.2949018
LOC101907943	4.82793E-06	1.03926487	0.73234106	1.097007377	0.01431692	0.00881493	0.95620443	0.01156593	-82.674249
LOC101907970	0.000651316	2.10281653	2.4109783	1.306798318	0	0	1.94019772	0	#DIV/0!
LOC101908014	0.001935292	1.03145622	1.09978829	2.315951187	0.0222517	0	1.48239856	0.01112585	-133.239127
LOC101908111	4.9837E-09	5.63833808	10.6368841	5.770889404	0	0.04264057	7.34870387	0.02132028	-344.681354
LOC101908134	2.46289E-11	2.09101453	2.92774573	2.018306974	0	0	2.34568908	0	#DIV/0!
LOC101908221	0.004869229	0.87162473	0.97442153	0.492110004	0.01243059	0.01530704	0.77938542	0.01386882	-56.1969635
LOC101908359	0.003115438	0.25429251	0.2606479	0.119168068	0.00217012	0	0.21136949	0.00108506	-194.800222
LOC101908683	5.42519E-05	1.67519923	1.05665523	0.514799337	0	0	1.08221793	0	#DIV/0!
LOC101908759	0.003271156	0.63081773	0.85345272	1.694883086	0.01327184	0.01634295	1.05971785	0.0148074	-71.5667961
LOC101909028	1.62857E-07	0.30018422	0.39709452	0.19379627	0	0	0.297025	0	#DIV/0!
LOC101909140	1.51668E-07	0.42695295	0.34467187	0.277091993	0.00238437	0	0.34957227	0.00119219	-293.219587
LOC101909144	5.93773E-06	0.0933598	0.01757196	0	5.19107096	4.07152041	0.03697726	4.63129568	125.247146
LOC101909551	0.021670986	0.62148516	0.43469222	0.446108136	0.01704032	0.04196691	0.50076184	0.02950361	-16.9728983
LOC104969050	0.006422696	1.03966674	2.22461379	2.656324583	0.05167812	0	1.97353504	0.02583906	-76.3779804
LOC104969159	0.016316882	0.37287842	0.40410698	0.298619638	0.00336453	0.02071545	0.35853501	0.01203999	-29.7786803
LOC104969170	6.41199E-13	0.11817592	0.02053181	0	8.3351816	19.3385592	0.04623591	13.8368704	299.266756
LOC104969340	1.79532E-17	0.11179096	0	0	18.0241173	33.3472062	0.03726365	25.6856618	689.295348
LOC104969425	0.00019195	0.14072328	0.18339868	0.150323104	0	0.00360123	0.15814835	0.00180061	-87.8302481
LOC104969619	4.6492E-10	0.00143322	0.00323708	0.015557123	0.89538132	2.03263448	0.00674247	1.4640079	217.132157
LOC104969719	1.55099E-22	6.46375478	6.64114606	6.362788268	0	0	6.4892297	0	#DIV/0!
LOC104969916	7.50329E-06	0.42355826	0.31727726	0.176117411	0	0	0.30565098	0	#DIV/0!
LOC104970072	1.20782E-07	0.03188604	0	0	8.26626111	7.00854518	0.01062868	7.63740314	718.565425
LOC104970491	0.003085379	0.39926896	0.45089677	0.884983671	0	0	0.57838313	0	#DIV/0!
LOC104970908	2.71408E-14	0.31107048	0.43911714	1.266214519	55.8552691	208.579017	0.67213405	132.217143	196.712461
LOC104970913	0.000126629	5.56212566	6.65215361	6.60184125	0.48630133	0.52072319	6.27204017	0.50351226	-12.4565788
LOC104970966	4.37953E-22	0.56788839	0.13742565	1.320910611	186.00946	263.017228	0.67540822	224.513344	332.411331
LOC104971032	5.15554E-08	0.1002793	0.02157067	0.025916671	2.9325031	6.14759208	0.04925555	4.54004759	92.1733273

LOC104971058	1.84287E-09	0.74598953	0.93259789	0.41261051	0	0	0.69706598	0	#DIV/0!
LOC104971400	1.2237E-07	0.29597197	0.46841079	0.122172431	0	0	0.2955184	0	#DIV/0!
LOC104971615	4.50494E-10	0.37460516	0.30870764	0.219795728	12.0693402	14.3588368	0.30103618	13.2140885	43.8953507
LOC104971926	0.003115002	0.65404602	0.77151857	0.592939592	0.0278582	0.02286974	0.67283473	0.02536397	-26.5271852
LOC104972031	2.408E-05	1.30305855	1.4178152	0.665496785	0	0	1.12879018	0	#DIV/0!
LOC104972306	4.66946E-08	13.2165966	10.7942204	1.451294345	0	0	8.48737044	0	#DIV/0!
LOC104972332	0.000282979	0.08326127	0.08033848	0.077651297	0.00042226	0.00207987	0.08041701	0.00125107	-64.2788131
LOC104972373	1.54363E-09	0.02929935	0	0	10.0860605	9.81331695	0.00976645	9.94968872	1018.76222
LOC104972570	0.002366591	4.62537387	1.63014074	15.87921956	0	0	7.37824472	0	#DIV/0!
LOC104972617	6.78451E-06	0.56954907	0.62711521	0.927341338	0	0	0.70800187	0	#DIV/0!
LOC104973054	7.50419E-05	0.49820922	0.55174096	1.43920027	0.01195272	0.02102655	0.82971682	0.01648963	-50.317477
LOC104973164	6.4519E-08	0.00215196	0.0021602	0.002595429	0.13108718	0.13639433	0.00230253	0.13374075	58.0842861
LOC104973218	0.025741343	2.30242153	2.83002834	2.62873801	0.20136936	0.03673575	2.58706262	0.11905256	-21.7304246
LOC104973884	0.00062433	0.57280783	0.32089086	0.452860224	0	0	0.44885297	0	#DIV/0!
LOC104974034	0.007461948	0.83326665	0.97026718	1.054451056	0.02752305	0	0.95266163	0.01376153	-69.2264543
LOC104974155	1.88385E-06	0.06620757	0.24299793	0.029944262	7.69093023	5.34165775	0.11304992	6.51629399	57.6408538
LOC104974330	1.70323E-05	0.91564787	0.81735293	1.626060929	0	0	1.11968724	0	#DIV/0!
LOC104974468	7.93607E-23	5.03811038	6.54453618	5.776417076	0	0	5.78635454	0	#DIV/0!
LOC104974514	7.48995E-08	0	0.00925365	0	2.14168247	1.92970882	0.00308455	2.03569564	659.965438
LOC104974667	0.000256888	3.35627902	3.21109534	9.284004779	0.09656376	0.10192171	5.28379304	0.09924274	-53.2411053
LOC104974869	0.000130929	0.00615363	0.02432266	0	1.2160824	0.54746741	0.01015876	0.88177491	86.7994372
LOC104975007	0.001697484	0.0998983	0.05014033	0	1.69823083	4.12431542	0.05001288	2.91127312	58.2104727
LOC104975299	2.14969E-14	0.31077486	0.69243432	0.341894909	0	0	0.44836803	0	#DIV/0!
LOC104975406	4.81273E-09	0	0.040735	0	3.39809249	8.74636611	0.01357833	6.0722293	447.199871
LOC104975593	3.34912E-13	0.15145871	0.09773898	0.352293556	35.7704542	23.552526	0.20049708	29.6614901	147.93976
LOC104975635	0.003588214	14.2214555	16.9038212	9.441503315	1.69637037	0.52761159	13.52226	1.11199098	-12.1604044
LOC104975788	2.73869E-17	10.9595179	13.0278304	7.740227391	0.01832703	0.07092774	10.5758586	0.04462739	-236.981357
LOC104975864	4.14793E-07	0.4509215	0.10184566	0	7.42593734	184.18395	0.18425572	95.8049438	519.956419
LOC104976020	7.29075E-08	0.86144205	1.61142208	1.27984194	0	0	1.25090202	0	#DIV/0!
LOC104976062	5.33088E-08	0.27872685	0.3988725	0.506249666	0	0	0.39461634	0	#DIV/0!
LOC104976069	0.000605305	0.53509426	0.52045361	1.032396497	0	0	0.69598146	0	#DIV/0!
LOC104976247	0.004943945	0.90342131	1.05341747	2.451588397	0	0	1.46947573	0	#DIV/0!
LOC104976262	0.003891499	1.61052306	2.38396952	0.522362156	0	0	1.50561825	0	#DIV/0!
LOC104976344	0.010103148	0.07540895	0.03838545	0.045202977	0.00047833	0.00117803	0.05299912	0.00082818	-63.9947656
LOC104976573	6.65012E-06	2.11180667	5.17444196	0.385311828	0	0	2.55718682	0	#DIV/0!
LOC104976804	0.001538597	73.4833572	60.1739694	108.5332891	10.0269388	6.05457947	80.7302052	8.04075914	-10.0401223
LOC107131225	0.007926797	1.97603042	1.92494814	1.184368173	0.08763058	0.01798472	1.69511558	0.05280765	-32.0998119
LOC107131228	0.038523103	2.52970979	2.65116975	3.966626026	0.51245094	0.28332063	3.04916852	0.39788579	-7.66342659
LOC107131525	7.65193E-06	0.69251034	0.40666911	1.052377406	0	0	0.71718562	0	#DIV/0!
LOC107131542	7.15648E-13	0.00803976	0	0.021817266	2.5284447	5.46971119	0.00995234	3.99907795	401.82279

LOC107131573	0.001905409	0.43988033	0.4942378	0.581696933	0.00948958	0	0.50527169	0.00474479	-106.489801
LOC107131598	1.43252E-30	0.04520068	0	0	28.3825258	63.809348	0.01506689	46.0959369	3059.41915
LOC107131615	0.002976227	2.23067929	1.32727783	3.514836855	0	0	2.35759799	0	#DIV/0!
LOC107131684	1.37341E-11	1.1296316	1.91013839	3.098234288	0.01283642	0	2.04600143	0.00641821	-318.780734
LOC107131703	7.7593E-09	2.20381137	2.31954021	3.229426493	0	0	2.58425936	0	#DIV/0!
LOC107131710	4.0012E-05	0.09955711	0.24447958	0.349039006	0.00283965	0.00174837	0.23102523	0.00229401	-100.708005
LOC107131731	2.41243E-06	0	0	0	2.80785917	7.7087453	0	5.25830223	#DIV/0!
LOC107131802	0.018481996	1.77523701	2.67304737	4.05274137	0.05987761	0	2.83367525	0.0299388	-94.6489157
LOC107131841	3.06724E-12	0	0	0	18.4797631	41.6386169	0	30.05919	#DIV/0!
LOC107131940	2.61429E-22	0.07969256	0.05999818	0	37.029599	87.0259556	0.04656358	62.0277773	1332.10923
LOC107131959	5.04044E-06	0	0	0	0	0	0	0	#DIV/0!
LOC107131963	3.73513E-13	0.0366099	0.08268756	0	22.4825238	28.1639686	0.03976582	25.3232462	636.80936
LOC107131975	2.53201E-06	0.72098473	0.76441335	0.682087969	0	0	0.72249535	0	#DIV/0!
LOC107132052	3.10574E-32	0.01118797	0.00421155	0	10.9676846	15.4963231	0.00513317	13.2320038	2577.74288
LOC107132058	0.002680013	0.39059023	0.14703194	0	5.60239582	15.841672	0.17920739	10.7220339	59.8303101
LOC107132064	1.022E-06	0	0	0	0.93486679	9.46538416	0	5.20012548	#DIV/0!
LOC107132067	4.41043E-07	0.31653169	0.0794358	0	11.0607619	32.7621675	0.13198916	21.9114647	166.009573
LOC107132076	5.74233E-07	0.11569331	0	0	12.0462801	8.67827436	0.03856444	10.3622772	268.700342
LOC107132247	2.02665E-36	0.36018127	0	0.139630505	268.20648	644.921024	0.16660392	456.563752	2740.41415
LOC107132260	9.04366E-11	0.03289121	0.03714423	0	11.7418832	18.9343525	0.02334515	15.3381179	657.015234
LOC107132270	0.005924329	0.33998078	0.34872455	0.320253661	0.01429292	0	0.33631966	0.00714646	-47.0610231
LOC107132283	0.000399832	0.74754364	0.88589456	0.826461639	0	0	0.81996661	0	#DIV/0!
LOC107132303	0.000253294	0	0	0	6.76413975	1.66587293	0	4.21500634	#DIV/0!
LOC107132338	2.55802E-10	0	0	0.296308921	21.6944052	72.8577272	0.09876964	47.2760662	478.649776
LOC107132346	1.34352E-06	0.00582714	0	0	0.94106121	1.46377664	0.00194238	1.20241892	619.043852
LOC107132395	3.38497E-34	0.10511687	0.0395697	0.190168412	231.260385	989.833099	0.11161833	610.546742	5469.95072
LOC107132450	2.16492E-07	2.59150779	2.72876912	8.048852039	0	0	4.45637632	0	#DIV/0!
LOC107132475	1.51811E-16	0.10562182	0.15282666	0.089569656	12.7650848	6.70213761	0.11600605	9.73361122	83.9060686
LOC107132487	0.000113698	0.27720857	0.02608777	0	3.33797401	53.4349744	0.10109878	28.3864742	280.779593
LOC107132531	2.31795E-05	2.04956565	1.69674864	0.675842	0	0	1.4740521	0	#DIV/0!
LOC107132643	2.94589E-19	0.03032435	0	0.054860209	11.5987886	44.8055262	0.02839485	28.2021574	993.213717
LOC107132649	4.24886E-05	1.19796722	1.99966247	2.46083241	0.02028382	0	1.88615403	0.01014191	-185.976174
LOC107132694	1.16212E-06	0.00092363	0.00208613	0.001670961	0.06149722	0.39475079	0.00156024	0.22812401	146.210609
LOC107132724	4.99557E-05	1.04326539	0.85512027	0.747724561	0.01340859	0.01100756	0.88203674	0.01220807	-72.2502812
LOC107132758	5.06623E-11	0	0.0134194	0	4.33046176	2.42529174	0.00447313	3.37787675	755.147921
LOC107132870	0.029073469	0.93340412	0.73882448	0.183658142	0.00599226	0	0.61862891	0.00299613	-206.476132
LOC107132926	0.03162287	0.08321647	0.09244827	0.06214884	0.00529227	0.01020037	0.0792712	0.00774632	-10.2334021
LOC107132994	0.015421017	0.49143167	0.21274105	0.844603187	0	0	0.51625864	0	#DIV/0!
LOC107132995	6.73676E-18	0.03108131	0	0	6.88531776	23.2601901	0.01036044	15.0727539	1454.83779
LOC107133011	3.5624E-06	0	0	0	22.8158629	3.04764349	0	12.9317532	#DIV/0!

LOC107133151	1.80703E-07	0	0	0	1.90484759	2.25364465	0	2.07924612	#DIV/0!
LOC107133265	5.7536E-05	0.93327378	2.1334019	0.837391335	0.01066215	0.01312938	1.30135567	0.01189576	-109.396577
LOC107133282	4.94719E-07	0.27585137	0.09518684	0	6.41530774	28.6719092	0.1236794	17.5436085	141.847457
LOC107133290	0.0001534	0.05216911	0.08837233	0	2.13399215	6.00639738	0.04684715	4.07019476	86.8824491
LOC112441469	0.031464094	0	0.29802377	0	2.52348352	17.608706	0.09934126	10.0660947	101.328443
LOC112441473	0.028245428	0.09876876	0.15057919	0.32163114	2.35064083	3.77329197	0.19032637	3.0619664	16.0879781
LOC112441475	0.022415694	0.46665032	0.62428156	0.837729656	0	0	0.64288718	0	#DIV/0!
LOC112441543	0.016100645	0.62322204	0.17119661	0.342814805	5.94152329	4.1430185	0.37907782	5.04227089	13.3014137
LOC112441584	0.036852604	0	0.01590384	0.038216208	0.49077547	0.79596148	0.01804002	0.64336847	35.663411
LOC112441635	0.007115292	0.14964845	0.19716535	0.067682781	6.35990829	3.00211097	0.13816553	4.68100963	33.8797221
LOC112441663	0.025011105	0.48722748	0.59541263	0.196854937	0.01827527	0.03522393	0.42649835	0.0267496	-15.944102
LOC112441777	0.001068986	0.83521199	0.62166099	3.801523063	0	0	1.75279868	0	#DIV/0!
LOC112442032	7.5389E-07	3.46703819	3.50903694	3.266313037	0.02780106	0	3.41412939	0.01390053	-245.611436
LOC112442226	1.86915E-09	3.2877323	4.02382097	2.498290902	0.03172371	0.07812918	3.26994806	0.05492644	-59.5332222
LOC112442288	1.43996E-07	0.58777718	0.12643432	0.683586005	23.9688451	31.3462169	0.4659325	27.657531	59.3595226
LOC112442630	1.793E-05	1.1550357	1.27643738	1.222410973	0.05259413	0.06476443	1.21796135	0.05867928	-20.7562421
LOC112442634	5.18478E-11	0.52826834	0.68060138	0.320677362	0.00186006	0	0.50984903	0.00093003	-548.208353
LOC112442649	1.94674E-09	2.07958451	2.3650723	2.064430686	0.00624154	0	2.16969583	0.00312077	-695.243438
LOC112442657	0.009089646	1.03086084	1.28516275	0.852259772	0.02747973	0.06767711	1.05609445	0.04757842	-22.1969203
LOC112442748	0.002566185	0.05041847	0.02846894	0	0	0	0.0262958	0	#DIV/0!
LOC112442749	3.98883E-08	0	0	0	0.61999689	0.39127552	0	0.5056362	#DIV/0!
LOC112442982	0.000724988	0.10275254	0.10314581	0	2.88699241	3.40567213	0.06863278	3.14633227	45.8429936
LOC112443015	1.31997E-05	0.82195431	0.99078752	0.426863813	0	0	0.74653521	0	#DIV/0!
LOC112443122	3.15907E-09	0.01894871	0.01069945	0	0.82255761	2.40828848	0.00988272	1.61542304	163.45937
LOC112443138	0.003456047	0.29281706	0.50813405	0.070806763	0	0.00303447	0.29058596	0.00151724	-191.523331
LOC112443139	8.18308E-05	0.29058008	0.36439466	0.139574943	0.00560485	0.00230061	0.26484989	0.00395273	-67.0042992
LOC112443140	8.97008E-12	2.51448351	1.47913402	1.140414732	0.00297669	0	1.71134409	0.00148834	-1149.83192
LOC112443155	0.012103571	0.00436765	0	0	0.07888875	0.29143091	0.00145588	0.18515983	127.1805
LOC112443177	4.24551E-05	0.56040883	0.45437033	0	21.1908543	16.5440173	0.33825972	18.8674358	55.7779561
LOC112443463	6.34871E-08	0.44716382	0.0459077	0	34.2936029	21.6996175	0.16435717	27.9966102	170.340056
LOC112443713	1.02676E-07	1.89277336	0.40539173	2.025764464	0.0028894	0	1.44130985	0.0014447	-997.652594
LOC112443728	9.79419E-15	6.02029031	8.17105211	6.97908351	0.06978874	0.05288485	7.05680864	0.0613368	-115.050161
LOC112444164	0.005000804	1.11563773	1.1571152	0.390384803	0	0.01536447	0.88771258	0.00768223	-115.553962
LOC112444314	6.36289E-11	0.46738284	0.93870431	0.708309805	0	0	0.70479898	0	#DIV/0!
LOC112444469	8.86161E-05	0.10627546	0.17833926	0.074126051	0	0	0.11958026	0	#DIV/0!
LOC112444502	0.000523113	1.14152336	1.28422736	1.542970327	0.02766935	0	1.32290702	0.01383467	-95.6225613
LOC112444531	2.34678E-05	3.66026998	3.29890225	1.647502588	0	0.04604662	2.86889161	0.02302331	-124.60814
LOC112444614	0.009331258	1.09758392	1.18212331	1.709869228	0	0	1.32985882	0	#DIV/0!
LOC112444626	0.004493188	3.79718238	3.38053086	6.164778265	0.24398163	0.32189903	4.44749717	0.28294033	-15.718852
LOC112444750	0.001620288	0	0.00675242	0	0	0	0.00225081	0	#DIV/0!

LOC112444847	0.046838934	5.27182609	4.61073	0.5442501	0	0	3.47560207	0	#DIV/0!
LOC112444861	0.001486143	0.60655954	1.14527634	1.09733543	0	0.01679537	0.94972377	0.00839768	-113.093524
LOC112444889	0.001958573	0.29741767	0.33915555	0.335763621	0.00246874	0.01520004	0.32411228	0.00883439	-36.6875654
LOC112444926	6.67286E-05	0.86077522	0.80391301	2.069750188	0	0	1.24481281	0	#DIV/0!
LOC112445084	1.10302E-06	0.127436	0.14391422	0.086454851	6.43138309	6.25232205	0.11926836	6.34185257	53.1729686
LOC112445093	8.07876E-08	0.02011519	0	0	1.6242629	3.12299134	0.00670506	2.37362712	354.005212
LOC112445101	3.76495E-06	0	0	0	1.18109045	8.267089	0	4.72408972	#DIV/0!
LOC112445109	1.00052E-19	0.09161405	0.05173014	0	26.7191769	52.3795142	0.0477814	39.5493456	827.714291
LOC112445150	0.005099322	0.41778472	0.57055697	0.580048089	11.0868205	4.42365532	0.52279659	7.75523789	14.8341401
LOC112445855	3.65456E-13	0	0	0	1.94915344	7.15207653	0	4.55061499	#DIV/0!
LOC112445932	1.40052E-19	0.80260173	0.90638282	0.10889986	171.870576	1024.23776	0.60596147	598.05417	986.95082
LOC112445943	5.01561E-09	2.74498815	4.01401342	7.51266191	0	0	4.75722116	0	#DIV/0!
LOC112445967	9.38026E-05	0.02055363	0.02514561	0.004647983	1.05184995	0.45714652	0.01678241	0.75449824	44.9576829
LOC112445968	1.21732E-08	0.08964621	0	0	10.8581394	32.3712109	0.02988207	21.6146751	723.332612
LOC112445971	1.73364E-18	0	0	0	34.5741302	36.3303244	0	35.4522273	#DIV/0!
LOC112445979	0.048615321	0.0753977	0.13933155	0.037200828	1.2671653	2.22400115	0.08397669	1.74558323	20.7865208
LOC112446048	0.042768953	0.41417028	1.04473136	1.575591541	0.02467545	0	1.01149773	0.01233772	-81.984143
LOC112446327	1.35027E-09	0.00815142	0	0	3.08320294	2.55954434	0.00271714	2.82137364	1038.36104
LOC112446328	0.000247909	0.23430541	0.17640165	0.12716557	2.63327004	4.55055335	0.17929088	3.5919117	20.0339904
LOC112446420	1.26002E-15	1311.32578	993.422164	55.01953268	0.01623944	0	786.589159	0.00811972	-96873.9248
LOC112446452	3.07411E-06	1.04102903	1.1811596	0.534939388	0	0.00852589	0.91904267	0.00426295	-215.588583
LOC112446454	0.003855342	6.59801985	6.89769253	16.9995547	0.47259976	1.01304071	10.165089	0.74282024	-13.6844536
LOC112446470	2.86188E-11	0.03724887	0.01682615	0	6.52212253	4.01567226	0.01802501	5.2688974	292.310442
LOC112446639	0.00103851	0.41197198	0.32664359	0.225031501	0.00704847	0.01041538	0.32121569	0.00873193	-36.7863521
LOC112446669	8.84746E-07	0.18175046	0.10262593	0	6.56557952	26.6324717	0.09479213	16.5990256	175.109749
LOC112446762	0.002841274	0.12110569	0.11084252	0.345824868	0	0	0.19259102	0	#DIV/0!
LOC112447050	4.95787E-23	0.0055522	0.01254027	0	3.23741255	3.01025296	0.00603082	3.12383276	517.977762
LOC112447093	7.4151E-07	0.2426989	0.53373725	0.576898383	0	0	0.45111151	0	#DIV/0!
LOC112447509	1.90423E-11	0	0.02040342	0	4.05034996	6.80772312	0.00680114	5.42903654	798.253792
LOC112447567	5.97321E-20	0.00274374	0.00281683	0.000676873	0.52472728	0.54694262	0.00207915	0.53583495	257.718492
LOC112447770	7.50881E-12	0.08264414	0.04666525	0	22.2152506	11.0288485	0.04310313	16.6220495	385.634389
LOC112447802	6.90462E-08	7.55799223	6.29322628	3.418317641	0.01939656	0.09553974	5.75651205	0.05746815	-100.168741
LOC112447832	0.000697107	0.15650734	0.32060657	0.395078561	0.0038671	0	0.29073082	0.00193355	-150.361341
LOC112448017	0.005234408	0.03959079	0.06706516	0.026859096	2.35559607	0.64747367	0.04450502	1.50153487	33.7385535
LOC112448030	0.011156526	0.19649888	0.28252091	0.080231869	0.00918224	0.00714127	0.18641722	0.00816175	-22.8403356
LOC112448042	0.040095444	0.04458239	0.13535956	0.247913834	0	0	0.1426186	0	#DIV/0!
LOC112448081	0.011638636	0.04461017	0	0	0.82945063	2.85988042	0.01487006	1.84466552	124.052361
LOC112448102	0.00028887	0.02559699	0	0	0	0	0.00853233	0	#DIV/0!
LOC112448430	1.07138E-14	0	0	0.167648468	35.57626	153.249349	0.05588282	94.4128047	1689.47809
LOC112448515	2.57421E-07	0.83727009	1.39405654	1.026803451	0.01425606	0.00702197	1.08604336	0.01063902	-102.081181

LOC112448778	0.034188527	1.88633432	2.94509746	0.587413733	0	0	1.80628184	0	#DIV/0!
LOC112448808	0.023286867	0.02156243	0.01893934	0.013002968	1.10220359	0.10657422	0.01783492	0.6043889	33.8879606
LOC112448830	0.000339034	0.15658975	0.23361194	0.136425891	0	0	0.17554253	0	#DIV/0!
LOC112448833	1.26961E-11	0.01936173	0	0.210165503	26.6604733	18.1374061	0.07650908	22.3989397	292.761855
LOC112448889	3.58216E-11	0.0933598	0.01757196	0.08444927	10.5143985	8.95734489	0.06512701	9.7358717	149.490533
LOC112449031	0.001165999	0.04673464	0.12693948	0.095116842	0	0	0.08959699	0	#DIV/0!
LOC112449068	9.73921E-08	0.01717145	0.02820628	0.008472302	1.0017741	1.045688	0.01795001	1.02373105	57.0323413
LOC112449086	2.25229E-06	1.14889281	1.00618677	6.871703514	0	0	3.0089277	0	#DIV/0!
LOC112449147	0.000426983	1.86027688	1.69853657	3.678726771	0	0	2.41251341	0	#DIV/0!
LOC112449282	3.66786E-10	1.43346095	1.18072457	0.929747052	0.00704556	0.00578394	1.18131086	0.00641475	-184.155331
LOC112449298	0.017019237	0.59706293	0.65868954	0.288754303	0.01674889	0	0.51483559	0.00837445	-61.4769696
LOC112449310	2.12269E-05	0.88375441	1.06257816	1.706195533	0.01868591	0.01150492	1.21750937	0.01509541	-80.6542683
LOC112449358	0.003693026	1.00531818	0.82436646	2.432703312	0	0	1.42079598	0	#DIV/0!
LOC112449360	0.000218288	0.353736	0.33894945	0.07950879	0	0	0.25739808	0	#DIV/0!
LOC112449364	2.07054E-08	1.80058265	1.25953913	2.885544851	0	0	1.98188888	0	#DIV/0!
LOC112449367	2.75922E-05	0.72651861	0.56248148	1.900394842	0	0	1.06313164	0	#DIV/0!
LOC112449518	0.000375855	1.26649664	1.66961736	4.212616275	0.14603636	0.11787127	2.38291009	0.13195381	-18.0586677
LOC112449547	0.002538953	0.42384247	0.71861329	0.274437135	0.00724378	0.01189333	0.47229763	0.00956856	-49.3593283
LOC112449565	1.22305E-09	2.01642935	3.35183604	4.721100619	0	0	3.36312201	0	#DIV/0!
LOC338087	2.97202E-08	0.30291743	1.45386728	0.924770584	31.1382264	102.447826	0.89385176	66.7930263	74.7249477
LOC505099	4.00482E-18	3.49537897	3.30623542	4.718993925	0.01646897	0.02027989	3.84020277	0.01837443	-208.997108
LOC506245	1.95264E-09	0.12632879	0	0.057135801	8.59015416	21.4863991	0.06115486	15.0382766	245.904832
LOC506251	1.11878E-14	0.41076045	0	0	43.3513141	131.367136	0.13692015	87.359225	638.030455
LOC506285	1.68191E-15	0.01716717	0	0	23.52919	10.6911278	0.00572239	17.1101589	2990.03774
LOC506839	0.00483083	0.1386508	0.07117234	0	4.41938929	2.04488697	0.06994105	3.23213813	46.2123219
LOC507271	0.006866912	0.58182843	0.18336621	0.403902362	3.76657321	15.5077407	0.389699	9.63715695	24.7297452
LOC507443	1.62026E-06	2.60801388	2.0922017	3.085526765	0.05068809	0.04161156	2.59524745	0.04614983	-56.2352602
LOC507494	3.45643E-08	0.01736291	0.01307202	0	1.85706382	2.2413563	0.01014498	2.04921006	201.992565
LOC507743	5.6111E-29	0.11341111	0.307382	0.430864663	110.615742	133.185333	0.28388593	121.900538	429.399722
LOC508131	0.005762625	3.85955085	4.22804693	2.011660202	0.2167758	0.21355025	3.36641933	0.21516302	-15.6459008
LOC508252	1.42397E-06	0.20178997	0.04883198	0	4.99238158	23.3835885	0.08354065	14.187985	169.833309
LOC508285	3.77114E-07	0.07121677	0.1723404	0.027608415	7.84764794	5.32429592	0.09038853	6.58597193	72.8629183
LOC508628	2.0213E-26	0.31678594	0.33219476	0.368422658	105.492872	471.301543	0.33913445	288.397207	850.391946
LOC508666	2.20975E-06	6.44876449	6.05735123	9.45488254	0.06494455	0	7.32033275	0.03247227	-225.433328
LOC508883	2.82412E-15	0.02666476	0	0	6.85601425	11.2566652	0.00888825	9.05633974	1018.91101
LOC509415	7.26088E-06	0.46389899	0.01587527	0	15.0851455	53.3366126	0.15992475	34.210879	213.918597
LOC509580	4.47539E-06	0.25294115	0.12497096	0	7.69278554	11.3343862	0.12597071	9.51358589	75.5222087
LOC509911	1.92306E-05	0.02361632	0	0.064086934	1.38004612	4.82008626	0.02923442	3.10006619	106.041656
LOC510081	0.000397991	0.00660322	0.0134227	0	0.23292309	0.78098409	0.00667531	0.50695359	75.9446101
LOC510193	5.43601E-10	2.76266074	2.54300379	5.799529587	0	0	3.70173137	0	#DIV/0!

LOC510369	1.60675E-10	0.04485879	0.03377286	0	14.4890458	11.503277	0.02621055	12.9961614	495.83701
LOC510613	1.38431E-10	7.21156049	9.72245614	12.56101643	0.21456142	0.19468181	9.83167769	0.20462162	-48.0480893
LOC510795	3.94138E-05	0.29117644	0	0	9.17790642	23.6192371	0.09705881	16.3985717	168.954999
LOC511898	1.62307E-13	0.03786468	0.0427608	0	17.5940366	8.19054188	0.02687516	12.8922893	479.710228
LOC511936	0.000480676	26.0798457	46.7994299	21.27382115	2.68758766	0.66559708	31.3843656	1.67659237	-18.719139
LOC511981	3.06534E-10	0.07087125	0	0	7.00279902	12.1467282	0.02362375	9.57476359	405.30246
LOC512165	4.87554E-09	0.31062525	0.13491958	0.194523414	8.32694863	83.9061619	0.21335608	46.1165553	216.148305
LOC512286	0.013648484	3.40933087	2.50743722	5.401341631	0.01395888	0.13751172	3.77270324	0.0757353	-49.8143314
LOC512381	4.50331E-13	0.09112276	0.08665723	0.05205836	6.2267741	6.75154985	0.07661278	6.48916198	84.7007716
LOC512594	3.7347E-24	0.03034272	0.01284983	0	12.8469933	57.2648724	0.01439752	35.0559329	2434.8596
LOC512673	4.5238E-07	0.16270565	0.44623649	0	15.9534915	23.7201337	0.20298071	19.8368126	97.7275734
LOC512838	1.16765E-05	0.02848825	0.01608597	0	1.75554693	1.71451616	0.01485808	1.73503154	116.773636
LOC512859	0.004147192	0.54206276	0.28807277	0	9.01157973	12.6821294	0.27671185	10.8468546	39.1990972
LOC512978	0.025214026	0.82275129	0.07147214	0	16.2390641	16.1464768	0.29807448	16.1927705	54.3245788
LOC513039	2.27189E-05	0.09850112	0.07415859	0.534599312	9.90733616	38.4898192	0.23575301	24.1985777	102.64377
LOC513164	2.01041E-15	0.01964527	0	0	5.02612376	3.94790973	0.00654842	4.48701674	685.205576
LOC513322	1.78667E-07	0.06701474	0	0	4.37889047	9.3814949	0.02233825	6.88019268	308.000576
LOC513580	0.003029665	0.63720844	0.26511698	0	8.44490769	20.2715912	0.30077514	14.3582494	47.7374873
LOC513659	0.000420938	0.40330189	0.42843289	0.361717969	14.8449172	1.96751871	0.39781758	8.40621793	21.1308355
LOC513842	2.15737E-06	3.46443426	0.48905073	1.608123173	33.0794344	137.290976	1.85386939	85.1852054	45.9499498
LOC513969	0.002680093	1.45791584	0.82078807	1.960646343	0.04569318	0.04501328	1.41311675	0.04535323	-31.1580165
LOC514011	0.011681529	4.13484043	4.005939	12.46076866	0.3237068	0.34166803	6.8671827	0.33268742	-20.6415463
LOC514406	2.33664E-11	0.08237228	0.01550392	0	5.23652208	14.4412186	0.0326254	9.83887033	301.570874
LOC514457	1.82876E-05	1.08596928	5.26626917	0.034670159	404.56826	324.746628	2.12896954	364.657444	171.283543
LOC514507	1.78394E-10	0	0.02207009	0.026516719	4.46426185	5.67627564	0.0161956	5.07026875	313.064512
LOC514651	4.65896E-05	0.44070658	0.1914202	0.091994827	7.85201855	22.5313824	0.24137387	15.1917005	62.9384635
LOC514686	0.004490934	0	0	0	3.62524565	0.45397923	0	2.03961244	#DIV/0!
LOC515042	0.008407174	53.1887364	43.4248526	98.69054962	7.23198205	6.43431564	65.1013795	6.83314884	-9.52728837
LOC515089	2.70851E-05	2.64913252	2.49931118	2.842113223	0.03021077	0.07440311	2.66351897	0.05230694	-50.9209511
LOC515255	0.000240401	0.03860407	0	0	1.12793595	3.7880204	0.01286802	2.45797817	191.014428
LOC515276	1.65761E-06	0.36729232	0.65674348	0	0	0	0.34134527	0	#DIV/0!
LOC515547	4.93455E-06	0.05905937	0.01333922	0	3.38845114	3.33803216	0.02413286	3.36324165	139.363553
LOC516108	0.048542546	7.39790939	7.22364424	23.902038	0.21712962	0.42779762	12.8411972	0.32246362	-39.822158
LOC518495	2.19863E-06	2.67917078	1.96483396	3.113811849	0.01134084	0	2.58593887	0.00567042	-456.039995
LOC518557	5.43264E-17	0.39235823	0.14769748	0	43.0766421	79.1220035	0.18001857	61.0993228	339.405669
LOC519737	0.000391914	0	0	0	1.24462893	4.94398906	0	3.094309	#DIV/0!
LOC521901	1.70951E-16	0.12169037	0	0	30.2545508	99.5601938	0.04056346	64.9073723	1600.14401
LOC522140	5.98444E-18	0.09979214	0.07888709	0	20.2722922	17.2340839	0.05955974	18.753188	314.86348
LOC522428	3.90942E-11	0.021712	0	0	6.27461935	30.6790239	0.00723733	18.4768216	2552.98745
LOC522610	3.57728E-18	0.55437539	0.10221377	0.030701888	82.4613832	208.177918	0.22909702	145.31965	634.314897

LOC523484	0.004490816	2.73859384	3.5014722	1.278761554	0	0	2.50627586	0	#DIV/0!
LOC523963	7.08765E-08	0	0	0	2.02202684	3.18885097	0	2.60543891	#DIV/0!
LOC524703	9.60734E-05	0.26925993	0.0760192	0	7.86725215	28.5347911	0.11509305	18.2010216	158.141801
LOC527955	0.013205178	0.1374408	0.02739048	0	2.55977411	2.15781818	0.05494376	2.35879614	42.931104
LOC529125	2.86276E-13	0.06455554	0.04860197	0	13.3366791	4.25428528	0.03771917	8.79548219	233.18335
LOC529957	2.19476E-11	0.01620438	0	0	5.44049273	13.9924702	0.00540146	9.71648145	1798.86167
LOC530211	7.40877E-12	0.0593768	0	0	6.54836305	6.64979815	0.01979227	6.5990806	333.417147
LOC531462	0.000278591	0.81656002	0.44789949	0.126621452	12.2204058	7.63093964	0.46369365	9.92567271	21.4056687
LOC533093	1.38032E-05	0.06446526	0	0.116625021	5.75338843	5.96016549	0.06036343	5.85677696	97.0252533
LOC533307	0.005012596	2.87453904	1.12624436	2.251471801	20.0165414	21.3151451	2.08408507	20.6658432	9.91602674
LOC533308	0.000165632	0	0.20263718	0	4.82968195	19.7199034	0.06754573	12.2747927	181.725675
LOC533597	0.005034415	3.66980805	3.21604967	2.705712923	0.08503215	0.34030305	3.19719022	0.2126676	-15.0337435
LOC534391	2.67683E-22	0.07518367	0.03396214	0.081609503	27.9263115	38.9526171	0.0635851	33.4394643	525.900908
LOC534520	4.56344E-14	0	0.01717357	0	9.95287025	10.7438687	0.00572452	10.3483695	1807.72605
LOC534913	1.26657E-09	4.96493382	5.85557305	10.18705207	0	0	7.00251965	0	#DIV/0!
LOC538810	6.2739E-11	0.03682526	0	0	4.90378027	10.3425666	0.01227509	7.62317344	621.028146
LOC539009	3.84983E-05	0.02706179	0.03056103	0.550775948	26.5672797	18.1985815	0.20279959	22.3829306	110.369704
LOC539166	0.047712267	2.93917389	2.30469919	2.511458789	0.07203687	0.33708367	2.58511062	0.20456027	-12.6374032
LOC539383	2.16968E-05	0.33537287	0.47015818	0.125529888	9.55934553	8.89662308	0.31035365	9.22798431	29.7337713
LOC539893	2.68044E-05	0.05236305	0	0	4.48784328	2.466297	0.01745435	3.47707014	199.209376
LOC540098	6.72424E-05	0.31862861	0.02056167	0	17.3910197	9.43321741	0.11306342	13.4121186	118.624733
LOC540405	3.5564E-07	0.02836991	0	0	3.19508535	4.60254015	0.00945664	3.89881275	412.283233
LOC548613	0.005508831	0.05572962	0	0.567119448	16.4903505	12.2493564	0.20761635	14.3698535	69.2134947
LOC613460	8.17575E-18	0.94225626	0.19347191	0.29056519	64.3904455	272.893539	0.47543112	168.641992	354.713828
LOC613512	0.000408879	0.27700414	0.03128224	0	8.88815945	7.3932325	0.10276213	8.14069597	79.2188363
LOC613519	1.07883E-06	0.18609104	0	0.155381507	6.72237944	14.7579581	0.11382418	10.7401688	94.3575302
LOC613595	8.82287E-14	1.41715485	0.27481638	0.776907537	64.8511899	53.9377148	0.82295959	59.3944524	72.1717727
LOC613882	0.001806248	0	0.07400334	0.248957391	6.21045267	4.59539126	0.10765358	5.40292196	50.188039
LOC613956	9.74166E-17	0.06161032	0.231923	0.139325135	24.7436596	20.9577562	0.14428615	22.8507079	158.370762
LOC613970	3.99554E-11	0.09777936	0.0368076	0.284995931	9.08059023	18.6300872	0.13986096	13.8553387	99.0650873
LOC613988	5.81312E-21	0.3381599	0.11750337	0	67.0483642	377.490958	0.15188776	222.269661	1463.38104
LOC614114	7.61283E-27	0.54045699	0.10172354	0	145.756668	328.328772	0.21406018	237.04272	1107.36487
LOC614129	6.62569E-18	0.61502883	0.13552305	0.040706976	90.1127126	65.0009778	0.26375295	77.5568452	294.051095
LOC614207	0.0181393	1.01269453	0.57487879	0.514354009	4.71812401	9.49422675	0.70064245	7.10617538	10.1423707
LOC614213	4.39723E-16	0	0	0	18.9774326	31.3417099	0	25.1595713	#DIV/0!
LOC614226	3.5746E-19	0.02992969	0.05069966	0	21.5282896	21.1453033	0.02687645	21.3367965	793.884472
LOC614366	2.20583E-18	0.10793609	0.07313572	0.058580614	22.4312869	62.5870373	0.07988414	42.5091621	532.135177
LOC614423	1.11678E-25	0.34806265	0.01637788	0.236131897	118.492581	90.924502	0.20019081	104.708541	523.043698
LOC614614	0.000496723	2.72166022	2.54254823	8.004387572	0	0	4.42286534	0	#DIV/0!
LOC614643	6.47957E-06	0.98846739	0.92381959	9.342066377	148.479619	610.054154	3.75145112	379.266887	101.098715

LOC614785	5.96985E-05	3.37603938	2.89696114	8.295810977	0	0	4.8562705	0	#DIV/0!
LOC614882	3.88515E-09	0.08848471	0.01249079	0.060029605	4.93567088	13.6605504	0.05366837	9.29811065	173.251225
LOC615291	0.000323445	0.05246056	0	0	1.89509279	12.0799053	0.01748685	6.98749907	399.585845
LOC615401	1.97396E-10	0.13060418	0.08849524	0	10.4350262	49.6216974	0.07303314	30.0283618	411.160783
LOC615663	8.3899E-09	0.05670556	0	0.030776047	8.36245369	9.31822519	0.02916053	8.84033944	303.161088
LOC615959	5.55174E-05	0.38310558	0.48180739	0.850600296	0	0	0.57183776	0	#DIV/0!
LOC616011	1.01782E-18	0.04466321	0.02521921	0	26.1943524	30.7364449	0.02329414	28.4653986	1221.99819
LOC616051	2.07082E-05	0.04115606	0.01549259	0	3.38157578	2.44100883	0.01888288	2.91129231	154.176264
LOC616063	3.32271E-05	2.33022035	1.45323379	6.398955763	0	0	3.39413664	0	#DIV/0!
LOC616160	2.19879E-11	0	0	0	6.26318984	5.09917004	0	5.68117994	#DIV/0!
LOC616199	2.90446E-14	0.12704091	0	0.114915748	27.0855373	21.0534786	0.08065222	24.0695079	298.435785
LOC616200	9.2276E-08	124.093635	143.369518	892.4503822	0.81032334	0	386.637845	0.40516167	-954.28041
LOC616475	2.17503E-10	0	0.01991489	0	6.93244933	6.92158469	0.0066383	6.92701701	1043.49313
LOC616478	1.26276E-14	7.20482114	21.3003528	47.70351156	0	0	25.4028952	0	#DIV/0!
LOC616568	5.00877E-06	0	0	0	3.62803859	7.23320582	0	5.43062221	#DIV/0!
LOC616695	4.32565E-05	0.00538134	0.00607718	0	0.06861047	0.02816232	0.00381951	0.0483864	12.6682309
LOC617130	8.74866E-22	0.03099155	0.03499894	0	35.8912399	230.308306	0.02199683	133.099773	6050.86133
LOC617499	0.002540103	0.03929054	0.05916139	0	1.14103585	4.31802626	0.03281731	2.72953106	83.1735125
LOC617648	4.07874E-07	4.57952128	4.19933134	2.139367389	0.08004555	0.01408116	3.63940667	0.04706336	-77.3299442
LOC617692	3.9173E-06	0	0.07891039	0	3.94299854	3.73805632	0.02630346	3.84052743	146.00844
LOC617694	1.85999E-06	0.32064918	0	0	14.892656	20.6161932	0.10688306	17.7544246	166.110745
LOC618456	0.000109311	0.22524186	0.2059161	0.179488861	0	0	0.20354894	0	#DIV/0!
LOC618624	5.6511E-09	0.60932921	0.25995608	0.734897396	19.3355885	23.5264015	0.53472756	21.430995	40.0783435
LOC619061	1.37308E-20	0.12136272	0.10279172	0.164669255	38.9413383	127.661305	0.1296079	83.3013219	642.71795
LOC619156	7.73619E-06	0.34489096	0.28326355	0.340334787	8.4613855	26.5816585	0.32282976	17.521522	54.2748033
LOC780968	1.57772E-07	0	0	0.224516011	9.53758604	14.9378165	0.07483867	12.2377013	163.521094
LOC781002	7.3809E-22	0.25415721	0.16617018	0	76.2353238	39.9726446	0.14010913	58.1039842	414.705188
LOC781061	1.07719E-19	0.14542717	0	0	28.2096054	90.7845461	0.04847572	59.4970757	1227.35817
LOC781180	0.005587166	1.19092457	0.7666033	0.452448879	8.55361287	13.088247	0.80332558	10.8209299	13.4701672
LOC781220	1.21166E-05	0.03976894	0.01122782	0	1.66901299	3.64216791	0.01699892	2.65559045	156.221127
LOC781224	5.85227E-15	0.11341111	0.05123033	0.123104189	19.3758293	41.6649304	0.09591521	30.5203799	318.201661
LOC781255	2.81083E-08	0.03664562	0.06207617	0	6.03493249	7.28758458	0.03290726	6.66125854	202.425174
LOC781256	5.38117E-10	0.05257805	0	0	10.971465	4.18240437	0.01752602	7.57693467	432.324949
LOC781261	0.049708045	0.46639667	0.36380619	0.534964288	2.67690917	3.82476917	0.45505572	3.25083917	7.14382667
LOC781280	0.00107451	0.84530218	0.29372452	0	30.9963874	12.1936515	0.37967557	21.5950195	56.8775591
LOC781339	0.03350457	10.5905275	0.39452474	5.653039364	157.007963	84.845324	5.54603053	120.926643	21.8041792
LOC781466	8.51392E-09	0.07869084	0.02962201	0	11.983675	9.19720066	0.03610428	10.5904378	293.329129
LOC781533	0.023620077	1.72356181	0.05033867	0.846730872	19.8752795	25.1936921	0.87354378	22.5344858	25.79663
LOC781650	5.23992E-06	1.24675336	0.47930753	0.215953959	18.6577521	39.9809502	0.64733828	29.3193512	45.2921632
LOC781719	0.048224056	0.23859558	0.69286469	0	10.2849297	9.81081242	0.31048676	10.0478711	32.3616737

LOC781724	8.69572E-09	0.23339951	0.61501867	0.16889854	11.4401946	48.6953841	0.33910557	30.0677893	88.6679307
LOC781868	1.27397E-15	0.30228149	0.0296842	0	41.2489454	43.8128077	0.11065523	42.5308766	384.354874
LOC781913	9.92335E-08	0.05417562	0.04078723	0	7.90493794	4.53630012	0.03165428	6.22061903	196.517463
LOC781964	4.15241E-09	0.04566383	0.05893535	0	5.75269058	3.55046762	0.03486639	4.6515791	133.411542
LOC781979	0.000222418	0.026649	0.08276089	0	3.66664844	1.63868947	0.03646996	2.65266896	72.7357224
LOC782014	0.002125682	0.01682875	0.0380096	0	4.57731034	0.88070343	0.01827945	2.72900688	149.293714
LOC782044	3.78976E-06	0	0	0	1.99983262	3.40417511	0	2.70200387	#DIV/0!
LOC782058	0.00141822	0.19817488	0.03443078	0	8.58419846	2.87200819	0.07753522	5.72810333	73.8774398
LOC782092	8.12357E-06	0	0	0	1.8121888	9.22365766	0	5.51792323	#DIV/0!
LOC782120	2.71817E-07	0	0	0	5.87520792	11.6461565	0	8.76068221	#DIV/0!
LOC782177	1.73743E-09	0.04860117	0.02352239	0	7.45055615	3.05215017	0.02404119	5.25135316	218.431521
LOC782217	5.67266E-05	0.01068309	0.00603224	0	2.47441313	0.22363254	0.00557178	1.34902283	242.1171
LOC782219	1.27437E-09	0.05376206	0	0	5.55976143	13.8801549	0.01792069	9.71995819	542.387574
LOC782233	2.65729E-14	0	0	0	24.0265005	31.8929672	0	27.9597338	#DIV/0!
LOC782284	1.69139E-09	0	0	0	2.28882034	2.72387536	0	2.50634785	#DIV/0!
LOC782348	4.47312E-12	2.10714874	3.56350364	7.140523993	0	0	4.27039212	0	#DIV/0!
LOC782372	1.45789E-05	0.32257237	0.36428287	0	9.8247839	31.1365638	0.22895175	20.4806739	89.454106
LOC782402	8.52239E-08	0.13932404	0.12587156	0.453695558	12.1975303	43.6018758	0.23963039	27.8997031	116.428069
LOC782424	2.52106E-07	0.11160116	0	0	6.40296455	7.75946073	0.03720039	7.08121264	190.353205
LOC782439	1.7202E-27	0.10944569	0	0	50.6064871	171.256785	0.0364819	110.931636	3040.73104
LOC782443	4.71452E-08	0.06947305	0.05230421	0	6.5939937	4.48409445	0.04059242	5.53904407	136.455134
LOC782525	8.91431E-24	0.2220271	0.02949841	0.035441679	40.0471882	109.837559	0.09565573	74.9423735	783.459325
LOC782609	9.49346E-12	0.06622313	0.13461511	0.179707808	12.2145672	16.8431736	0.12684868	14.5288704	114.537022
LOC782622	5.59825E-09	0.409441	0.70362799	0	37.8657184	41.1778523	0.371023	39.5217854	106.521121
LOC782639	3.99084E-34	0.24194371	0.06830711	0	142.796327	303.247889	0.10341694	223.022108	2156.53362
LOC782688	6.69441E-05	1.4493284	1.18663289	1.147125211	20.736982	16.2441358	1.26102883	18.4905589	14.6630738
LOC782706	3.02322E-05	0.0989509	0.02234917	0	2.54421463	5.0748563	0.04043335	3.80953546	94.2176455
LOC782738	1.03306E-15	0.18549018	0	0	22.171347	105.324302	0.06183006	63.7478243	1031.01671
LOC782740	1.05671E-26	0.21272842	0.0686387	0.082467855	67.1598083	152.996142	0.12127832	110.077975	907.647557
LOC782776	0.003088976	0.76787246	0.19270286	8.827010784	143.860692	473.739826	3.2625287	308.800259	94.6505879
LOC782779	0.006804131	0.16608942	0.07214067	0	6.56995832	1.80526229	0.07941003	4.18761031	52.7340219
LOC782784	5.13515E-06	0.10199082	0.01645412	0	3.31280173	10.6750274	0.03948165	6.99391458	177.143444
LOC782835	1.43995E-17	0.05193468	0.05865014	0	6.78015578	27.9435356	0.03686161	17.3618457	471.00075
LOC782889	0.003455484	0.07712887	0.04355104	0.1046512	5.32658644	1.816383	0.07511037	3.57148472	47.5498208
LOC782924	2.2511E-21	0.27164982	0	0	87.8720012	182.809018	0.09054994	135.340509	1494.65048
LOC782950	6.8625E-07	0.10319165	0.11653493	0.210021158	10.580118	9.99066098	0.14324925	10.2853895	71.8006529
LOC782954	1.24361E-32	0.19783231	0.20851897	0.214740735	81.1340513	217.762581	0.20703067	149.448316	721.865585
LOC782958	3.58707E-08	0.48977221	0.11700248	0.025559245	40.4688237	11.6327054	0.21077798	26.0507645	123.593389
LOC783022	3.27324E-08	0.07379521	0	0	10.0359103	15.2546831	0.0245984	12.6452967	514.06983
LOC783060	3.16857E-08	0.01866887	0	0	4.32407383	6.05741865	0.00622296	5.19074624	834.12874

LOC783106	7.17366E-10	0.07798289	0.20548859	0	28.7506366	9.11445768	0.09449049	18.9325472	200.364568
LOC783142	5.505E-09	0.25994298	0.17124049	0.235133261	10.494949	28.4543393	0.22210558	19.4746441	87.6819227
LOC783148	7.94644E-05	0.1732097	0.19560673	0	3.7857794	26.5464203	0.12293881	15.1660999	123.362996
LOC783202	8.42639E-24	0.37788492	0.17069906	0.615273252	92.1025411	183.323115	0.38795241	137.712828	354.973508
LOC783224	8.15677E-12	0.05345602	0.00503068	0	3.68225264	13.7312026	0.01949557	8.70672761	446.600393
LOC783261	4.20268E-06	0.34280616	0.11060943	1.794079046	33.1442848	109.178749	0.74916488	71.1615167	94.9877907
LOC783294	1.09203E-05	0.08833904	0	0	5.06833237	4.06830302	0.02944635	4.5683177	155.140385
LOC783301	6.50322E-06	0.031191	0.01320907	0	1.00661689	1.2446495	0.01480002	1.1256332	76.0561842
LOC783427	1.97381E-06	0.00278731	0	0	0.81143576	0.36467239	0.0009291	0.58805408	632.926934
LOC783463	1.53312E-18	0.33497409	0.05043843	0.060600635	35.4952456	143.631524	0.14867105	89.5633848	602.426533
LOC783502	3.86297E-21	0.15339157	0.47637149	0.286174823	71.4440249	36.1738481	0.30531263	53.8089365	176.242092
LOC783565	6.02788E-12	0.0265173	0.02245961	0	4.07113826	5.41217593	0.01632564	4.74165709	290.442379
LOC783574	0.046924923	0.04239476	0	0	0.2927819	5.93490732	0.01413159	3.11384461	220.346405
LOC783577	6.88533E-07	0.87746077	0.59091653	0	62.0607648	44.4037607	0.4894591	53.2322627	108.757326
LOC783641	1.32243E-12	0.40624201	0.03529011	0.084800556	24.9012632	154.053054	0.17544423	89.4771586	510.003441
LOC783686	1.544E-10	0.24108961	0.13613195	0.130847585	15.0617161	23.3414672	0.16935638	19.2015917	113.379794
LOC783750	7.54529E-08	0.01162183	0	0	1.82748974	7.72424866	0.00387394	4.7758692	1232.81834
LOC783776	0.00219425	0.87001782	0.49531809	0.253654957	4.35447971	16.7072003	0.53966362	10.53084	19.5137112
LOC783797	6.67493E-07	0	0.0862169	0.310763015	11.4371704	28.3672426	0.13232664	19.9022065	150.402116
LOC783803	0.000238896	0.04025912	0.18185945	0	4.66239901	6.95274295	0.07403952	5.80757098	78.4387951
LOC783823	4.83663E-09	0.0808525	0	0	7.5840733	6.04468036	0.02695083	6.81437683	252.844757
LOC783893	0.000146536	0.67012409	0.55038186	0.425103067	0	0	0.54853634	0	#DIV/0!
LOC784055	1.4349E-05	0.01443573	0.0326047	0	1.90186189	4.75945401	0.01568014	3.33065795	212.412479
LOC784088	8.43876E-10	0	0	0.024085602	3.33827559	4.55202139	0.00802853	3.94514849	491.390887
LOC784122	9.2123E-10	0.04622038	0	0	8.77396044	5.40212935	0.01540679	7.08804489	460.059726
LOC784127	1.11682E-05	0.16079521	0.07263479	0.30544173	8.09785669	8.33079089	0.17962391	8.21432379	45.7306816
LOC784243	7.94858E-16	0.12893053	0.048534	0.699750129	62.1913893	193.199327	0.29240489	127.695358	436.707333
LOC784266	8.28336E-05	2.46969973	0.59877831	0.113592424	46.3127482	43.5206208	1.06069016	44.9166845	42.3466591
LOC784385	2.42801E-18	0.13296199	0.07507737	0	28.6775582	26.3546994	0.06934645	27.5161288	396.792158
LOC784443	1.00127E-08	0.09135939	0.11791165	0.247919347	13.0901851	8.74264929	0.1523968	10.9164172	71.6315401
LOC784473	5.25481E-05	0.39909371	0.11930264	0.31853209	4.86383924	17.6915705	0.27897615	11.2777049	40.4253375
LOC784492	1.25808E-14	0.03053802	0	0	10.1231126	13.0249593	0.01017934	11.5740359	1137.01252
LOC784637	0.029723826	0.38777279	0.36633197	0.890397424	0	0	0.5481674	0	#DIV/0!
LOC784697	8.09431E-08	0.23721495	0.56348904	0	31.6694902	25.0425105	0.26690133	28.3560003	106.241509
LOC784761	2.71041E-12	0.01457577	0.0164605	0	5.03307644	4.57678708	0.01034542	4.80493176	464.449936
LOC784808	4.17675E-07	0.12402468	0	0	6.92750011	8.15963418	0.04134156	7.54356714	182.469336
LOC784980	4.02225E-10	0.20593071	0.13953525	0.502945405	15.2282146	51.6219679	0.28280379	33.4250913	118.191809
LOC785087	0.0321152	0.52442249	0.08636737	0.029648129	4.66643009	9.66283824	0.21347933	7.16463417	33.5612548
LOC785316	1.73752E-09	0	0.00983736	0	2.86911215	3.00877049	0.00327912	2.93894132	896.258738
LOC785350	2.48807E-08	0.04372731	0.09876302	0	22.1610227	5.72098385	0.04749678	13.9410033	293.514725

LOC785386	0.002697105	0.98250079	1.23756817	1.333092047	12.4462893	32.4325683	1.184387	22.4394288	18.9460276
LOC785421	2.83268E-11	0.21706026	0.19843648	0.392686781	14.0129746	17.3096757	0.26939451	15.6613252	58.1352803
LOC785441	1.42852E-11	0	0.00650195	0	3.46231887	2.25980616	0.00216732	2.86106251	1320.09454
LOC785503	2.01817E-11	0.22541802	0.13398205	0.450733974	25.5383664	29.6163372	0.27004468	27.5773518	102.12144
LOC785516	1.58556E-06	0.26293233	0.12725615	3.159838332	99.6912445	490.449648	1.18334227	295.070446	249.353424
LOC785534	0.000208345	0.20276254	0.05724523	0	6.03204257	7.29521949	0.08666926	6.66363103	76.8857518
LOC785568	8.62263E-05	1.88130395	2.28799581	8.20329218	73.3932328	70.3489008	4.12419731	71.8710668	17.42668
LOC785629	2.48085E-13	0	0.03856247	0	17.2694637	27.341518	0.01285416	22.3054909	1735.27458
LOC785630	8.226E-11	2.33221067	2.42269301	2.184549416	0.02256753	0.01111587	2.31315103	0.0168417	-137.346646
LOC785663	5.40996E-05	0.1346836	0.13519909	0	5.31052342	5.09053599	0.0899609	5.20052971	57.8087782
LOC785745	2.6236E-08	0.25152965	0	0.682568764	30.6439688	89.510922	0.31136614	60.0774454	192.94791
LOC785804	0.048069993	0.04757664	0.13432146	0.225937898	0.83405827	21.9728533	0.13594533	11.4034558	83.8826574
LOC785951	4.06069E-21	0.2077531	0.18769343	0	57.8318984	155.692778	0.13181551	106.762338	809.937592
LOC785968	1.52479E-28	0.35928641	0	0	159.147856	463.22856	0.11976214	311.188208	2598.38558
LOC785995	0.000101216	0.05654053	0.02128385	0.051144139	2.80340162	1.8246867	0.04298951	2.31404416	53.8281147
LOC786055	6.10487E-12	0.03215445	0.00544683	0	3.5563992	10.7555639	0.01253376	7.15598156	570.936456
LOC786199	8.7222E-07	0.00581842	0.00803094	0.00526309	0.18477076	0.27743045	0.00637082	0.23110061	36.274877
LOC786256	6.26815E-11	0.0469522	0	0	6.91746025	6.9619606	0.01565073	6.93971043	443.411188
LOC786258	8.71499E-08	0.11679652	0.15827879	0	11.8136879	9.41301082	0.09169177	10.6133493	115.750293
LOC786273	3.81636E-11	0.04008726	0	0	7.58132291	21.1887658	0.01336242	14.3850443	1076.52992
LOC786295	4.73629E-13	0.02448615	0.02765236	0	10.7705918	52.5390692	0.0173795	31.6548305	1821.38861
LOC786352	0.004926391	2.98243195	0.64342996	0.782610678	0	0	1.46949086	0	#DIV/0!
LOC786372	0.031721907	1.31408018	0.86019378	0.299794908	0	0	0.82468962	0	#DIV/0!
LOC786435	4.10286E-05	0.04680593	0	0	3.23245806	2.02084398	0.01560198	2.62665102	168.353724
LOC786533	7.75245E-18	0.06707457	0	0.060672779	23.0898742	37.9105081	0.04258245	30.5001912	716.261997
LOC786614	1.64256E-13	1.20295836	0.38814511	4.197128715	326.466563	451.347037	1.92941073	388.9068	201.567657
LOC786733	2.72953E-15	0	0	0	16.9486514	17.3643198	0	17.1564856	#DIV/0!
LOC786829	2.2867E-10	0	0	0	13.3964899	27.6863388	0	20.5414143	#DIV/0!
LOC786845	3.4261E-14	0.08694852	0	0.117974848	27.6218031	69.8471211	0.06830779	48.7344621	713.453947
LOC786929	0.012130196	0.08654784	0.04886949	0.058715593	1.14943619	8.94543054	0.06471097	5.04743336	77.9996525
LOC786930	9.93333E-05	0.08728527	0	0.039477254	3.63225398	2.05556589	0.04225417	2.84390994	67.304828
LOC787045	1.62393E-11	0.03813377	0.04306469	0	10.2505903	12.5726897	0.02706615	11.41164	421.620343
LOC787192	1.33356E-11	0.04476968	0.01685289	0.08099346	5.66043209	10.1137085	0.04753868	7.88707027	165.908499
LOC787196	1.19944E-09	0	0	0	7.45081438	8.02806906	0	7.73944172	#DIV/0!
LOC787237	9.35092E-08	0.07235342	0.04669094	0	4.19510682	5.24699546	0.03968145	4.72105114	118.973749
LOC787257	2.73307E-09	0.03398639	0.04413819	0.004611395	1.79104041	2.58789108	0.02757866	2.18946574	79.3898587
LOC787484	4.94909E-16	0.23607252	0.08886603	0.284721421	28.2591777	83.0493493	0.20321999	55.6542635	273.862152
LOC787497	2.31153E-06	1.04886652	0.44592606	1.339425345	21.711022	21.1813225	0.94473931	21.4461723	22.7006245
LOC787530	7.74895E-12	0.23966321	0.09841929	0.70949143	39.0519212	29.5315594	0.34919131	34.2917403	98.2033035
LOC787550	1.55912E-09	0.37856198	0.47501362	2.282872761	74.0964926	75.7235317	1.04548279	74.9100121	71.6511196

LOC787624	0.00037495	1.38434008	1.80653009	0.876550223	0	0	1.3558068	0	#DIV/0!
LOC787679	2.62063E-11	0	0	0.182507196	15.6132332	21.0299679	0.06083573	18.3216006	301.165121
LOC787998	4.66961E-06	0.00538906	0	0	1.85514054	0.56405453	0.00179635	1.20959754	673.362586
LOC788013	2.46001E-24	0.04998238	0	0	25.2514383	167.669057	0.01666079	96.4602476	5789.65477
LOC788115	6.98847E-07	0.11330848	0	0	5.77859541	20.309579	0.03776949	13.0440872	345.360398
LOC788293	1.2605E-06	0.04888776	0.0473222	0	3.60625957	1.69693547	0.03206998	2.65159752	82.6815959
LOC788609	1.19756E-08	0.11818632	0	0.145781277	6.41548472	21.7039989	0.0879892	14.0597418	159.789406
LOC788745	7.43281E-19	0.15650734	0.04418616	0.159266045	37.7882895	32.9669311	0.11998651	35.3776103	294.846553
LOC788748	3.96995E-06	0	0	0	1.83440154	11.8465856	0	6.84049357	#DIV/0!
LOC788801	2.39655E-17	0.106347	0.04803932	0	18.801704	104.297229	0.05146211	61.5494663	1196.01531
LOC789119	0.002935197	0.00545103	0.00189412	0	0.12206863	0.10313609	0.00244838	0.11260236	45.9905507
LOC789192	2.10626E-06	0	0	0.035099955	2.25378155	6.15982902	0.01169998	4.20680529	359.55647
LOC789264	2.20783E-16	0.16768643	0.08416412	0.556167141	36.6619059	104.13689	0.26933923	70.3993978	261.378179
LOC789374	6.99748E-14	3.54044082	4.2373876	5.602932322	0	0	4.46025358	0	#DIV/0!
LOC789494	9.11628E-18	0.06767885	0.01528602	0.073463257	10.5415766	20.7552759	0.05214271	15.6484263	300.107653
LOC789808	4.75389E-09	0.23980963	0.12828241	0.342507624	17.4867559	10.3042301	0.23686655	13.895493	58.6638038
LOC789867	1.32262E-35	0.18876812	0.09785171	0.092373781	75.7793186	223.37547	0.1263312	149.577395	1184.0099
LOC790009	1.21044E-05	3.38069833	3.44671808	3.092820888	0.11886351	0.10977644	3.30674577	0.11431997	-28.9253543
LOC790266	4.90616E-13	0.22816559	0.0161043	0.1547916	20.2117837	24.6275975	0.1330205	22.4196906	168.543128
LOC790883	2.38426E-22	0.03048844	0.03443078	0.496413647	103.917391	333.95073	0.18711096	218.934061	1170.07612
LOXL4	0.00068975	0.03615184	0.03061986	0	1.0466839	1.20611444	0.02225723	1.12639917	50.6082282
LRRC2	0.004182025	0.03196746	0.02461434	0.019715719	0.37361078	0.62355847	0.02543251	0.49858463	19.6042274
LRRC27	7.89116E-07	2.36315714	2.80918649	3.669420442	0.0542142	0.20027815	2.94725469	0.12724617	-23.1618336
LRRC36	1.15468E-06	0.02917041	0.01098077	0.079158894	2.71703745	2.90050771	0.03977002	2.80877258	70.6253684
LRRC39	0.000899216	0.17707985	0.09410697	0	5.51147959	4.25199512	0.09039561	4.88173736	54.0041445
LRRC56	1.06842E-05	1.04418795	0.93353931	2.971326368	0	0.03794846	1.64968454	0.01897423	-86.9434328
LRRC61	0.004303569	3.91028742	2.63655828	13.82581417	0.26882588	0.24075077	6.79088662	0.25478833	-26.6530522
LRRC63	0.013419176	0.75562271	0.57806167	0.330727673	0.02589774	0.06378099	0.55480402	0.04483937	-12.3731458
LRRC75A	0.001409754	3.89425939	2.77710305	5.810151629	0.23077982	0.08119496	4.16050469	0.15598739	-26.6720576
LRRN4CL	0.003289786	85.6485851	75.7633767	179.7557302	10.7510706	11.9219171	113.722564	11.3364939	-10.0315464
LY6G5B	0.019132509	2.52302766	2.49521859	21.22872053	0.06344742	0	8.74898893	0.03172371	-275.787085
LY6L	4.67853E-05	1.03247147	0.96953444	2.695198323	0	0	1.56573474	0	#DIV/0!
LYPD1	0.002705997	27.3879281	23.3288176	13.76874517	2.30156968	2.19891251	21.4951636	2.25024109	-9.5523825
LYVE1	1.97835E-10	0.44138379	0.19938292	0.299442623	10.7860607	35.2260673	0.31340311	23.006064	73.4072608
MANSC4	4.33266E-05	0.12866764	0.0830315	0.01247006	2.01153302	6.10833659	0.07472307	4.05993481	54.3330863
MARC2	1.42687E-07	13.7123833	11.7212009	12.06780793	0.54880515	0.29566202	12.500464	0.42223358	-29.6055654
MARK4_1	3.05079E-09	521.368624	856.793793	17.45169754	0	0	465.204705	0	#DIV/0!
MAS1	2.83387E-05	6.51756582	8.01403825	4.654350173	0.21260196	0.14959894	6.39531808	0.18110045	-35.3136514
MED9	0.000298537	16.5350353	15.1223674	12.87460047	0.83515388	0.5876622	14.844001	0.71140804	-20.8656639
MEDAG	0.008811392	0.79169988	0.27815551	0.405811375	4.63573269	10.5882415	0.49188892	7.61198709	15.4750122

MEG8	3.27715E-06	0.94949505	1.50246259	0.742614746	0.06454124	0.02427349	1.06485746	0.04440737	-23.9792977
MFSD9	0.027574782	6.64108993	6.70282226	6.737483298	0.04315591	0.55799312	6.69379849	0.30057451	-22.2700135
MGAM	9.60077E-29	0.0483144	0.02424966	0.029135421	1.69398343	1.74182168	0.03389983	1.71790256	50.6758516
MGARP	8.19176E-05	1.10293012	1.96480405	3.667466247	1.05630239	0.2438871	2.24506681	0.65009474	-3.45344555
MICAL1	9.925E-09	1.2520587	1.03983623	0.793231664	10.9424656	29.3712195	1.02837553	20.1568425	19.6006633
MOK	0.000191151	0.52593426	0.88654374	0.797560015	0.0451964	0.0607144	0.73667934	0.0529554	-13.9113155
MPZ	2.12112E-09	0.03870351	0.02185405	0	3.06355242	10.5325052	0.02018586	6.7980288	336.771891
MRO	2.1966E-06	6.5936819	4.35760972	13.084737	0.09183398	0	8.01200954	0.04591699	-174.488994
MROH5	8.701E-11	0.2488235	0.4484008	0.136481685	0	0	0.277902	0	#DIV/0!
MS4A7	0.001062793	0.87579235	1.40418893	2.435294274	0	0	1.57175852	0	#DIV/0!
MSH4	0.000439579	0.40782144	0.61539695	0.400699297	0.0747069	0.03679764	0.47463923	0.05575227	-8.51336152
MSH5	0.000102713	0.18766445	0.0652094	0.130579386	3.03684399	4.96091238	0.12781775	3.99887818	31.2857826
MSLN	5.2601E-06	3.48429546	3.89012118	6.59001035	0	0	4.654809	0	#DIV/0!
MTHFS	0.01302374	9.12341349	11.1273741	18.74357549	0.7943857	1.2111133	12.998121	1.0027495	-12.9624807
MUSK	8.28568E-11	2.64113514	5.10892083	5.064459896	0.03011957	0.06181541	4.27150529	0.04596749	-92.9244879
MYCBPAP	0.006289307	0.42124317	0.22241098	0.638363175	3.98735497	7.98774664	0.42733911	5.98755081	14.01124
MYH4	0.005234117	1.36214391	0.60224999	0.37487184	0.00682662	0	0.77975525	0.00341331	-228.445459
MYMK	1.75433E-05	0.48779558	0.5627353	0.655748952	0.00956807	0	0.56875995	0.00478404	-118.887065
MYO7B	3.07867E-05	0.02782009	0.01047246	0	0.22661246	6.406033	0.01276419	3.31632273	259.814679
MZF1	0.003694052	4.96122629	5.76963201	3.632182465	0.32299984	0.33145178	4.78768026	0.32722581	-14.6311204
NAALADL1	0.000840559	0	0	0.150506119	2.62225898	3.37417672	0.05016871	2.99821785	59.7627102
NACAD	0.007374892	14.1923921	13.4090029	12.19124278	1.78942884	1.885789	13.2642126	1.83760892	-7.21819125
NAP1L3	0.039654345	5.86519335	11.2393442	3.077872643	57.7130535	47.8598584	6.72747008	52.786456	7.84640517
NBDY	1.04516E-11	5.24612594	5.96689939	8.403584382	0.02660562	0.02184145	6.5388699	0.02422353	-269.938763
NCF2	0.001515349	1.13416521	1.30609873	2.065333217	11.0830309	16.4006083	1.50186572	13.7418196	9.1498324
NCR3	0.002144839	0.96808662	1.18072715	3.327620459	0.30171318	0	1.82547808	0.15085659	-12.1007515
NDUFA4L2	0.045533156	0.90419485	0.61692215	5.214085966	14.2501496	104.595767	2.24506765	59.4229581	26.468226
NHLH1	0.001992442	0.31923709	0.57743715	1.453629589	0	0	0.78343461	0	#DIV/0!
NINL	0.003978247	3.33130154	1.56920078	1.655732372	0.1135644	0.13984326	2.18541156	0.12670383	-17.2481885
NKD2	4.46075E-10	33.8414619	39.1245716	51.30377316	1.44187414	1.38776623	41.4232689	1.41482019	-29.2781155
NOBOX	1.97614E-05	0.98639078	1.20305182	2.168159604	0.01048015	0	1.45253407	0.00524008	-277.197098
NPPA	0.002330353	0.04091695	0.0924155	0	18.4326492	1.28479088	0.04444415	9.85872006	221.822664
NQO1	6.98556E-15	23.157365	16.5992299	48.83604262	0.05209977	0	29.5308792	0.02604989	-1133.62799
NTS	0.011432375	13.1965323	8.42032652	23.15442568	0.26517226	0.97959969	14.9237615	0.62238597	-23.9783062
NUDT13	3.91981E-05	1.88325552	3.0280557	3.116180642	0	0.03004785	2.67583062	0.01502392	-178.104658
NXF2	0.000178236	0	0.03773907	0	4.01214588	1.09304385	0.01257969	2.55259486	202.913965
ODF3L2	0.001486951	0.5621488	1.20114221	2.972966173	0.04072288	0	1.5787524	0.02036144	-77.5363782
OTOF	8.93E-05	12.3346716	11.6510693	6.912063526	0.84109722	0.26902012	10.2992681	0.55505867	-18.5552783
OTOS	0.001212584	11.9757302	3.05143517	50.78408596	0	0	21.9370838	0	#DIV/0!
OVOL2	0.005439149	5.70728467	7.7052971	28.80362339	1.22890639	1.95655868	14.0720684	1.59273253	-8.83517357

OXTR	4.75747E-06	0.52031463	0.44769093	0.291357409	0	0	0.41978766	0	#DIV/0!
P3H2	0.004232635	7.22076639	8.81562558	7.974984355	1.54901281	1.62208776	8.00379211	1.58555028	-5.04795855
PANX1	2.4356E-06	28.1164237	26.7579575	25.92120833	2.2293761	1.24494109	26.9318632	1.73715859	-15.5033992
PAPLN	1.5698E-05	1.5685684	1.26302564	1.540259384	0.04753125	0.029265	1.45728447	0.03839812	-37.9519703
PAPPA2	6.00109E-09	0.08910071	0.1618701	0.189226984	6.49499731	3.46678877	0.1467326	4.98089304	33.9453747
PARP4	6.52338E-07	2.84603713	2.73528737	1.263066472	0	0	2.28146366	0	#DIV/0!
PASD1	0.002437998	0	0	0	0	0	0	0	#DIV/0!
PAX5	0.000148818	0.77270838	1.46049715	1.020847755	0.01296289	0.01064167	1.08468443	0.01180228	-91.904626
PDCL2	6.52403E-07	0	0.28637108	0	7.71226094	18.3302254	0.09545703	13.0212432	136.409478
PERM1	2.61935E-08	0.02705065	0.00872813	0	2.44705978	1.59766126	0.01192626	2.02236052	169.572055
PEX19	0.00133487	5.26404555	6.07537052	10.6744224	56.5232768	58.3765316	7.33794616	57.4499042	7.82915314
PHLDA3	9.89234E-06	10.3550766	10.5602149	23.9066013	0.4183273	0.46361558	14.940631	0.44097144	-33.881176
PIGR	4.66172E-05	1.55846969	1.4139572	1.017869069	0	0	1.33009865	0	#DIV/0!
PIR	0.002678687	7.01117326	4.75667646	9.983234275	0.25491542	0.13951242	7.25036133	0.19721392	-36.7639431
PKD1L3	3.71601E-08	0.07136497	0.0492512	0.04303579	0.00842483	0	0.05455065	0.00421242	-12.9499696
PLCB2	0.000843768	1.42893725	1.40921536	1.623705812	8.17240217	23.3819284	1.48728614	15.7771653	10.6080228
PLCD3	0.006191982	2.00846189	1.44579113	3.107630146	14.1763509	25.9392771	2.18729439	20.057814	9.17014834
PLEK	1.68052E-05	1.12064204	1.28841895	1.190774168	16.0953459	14.2730938	1.19994505	15.1842199	12.654096
PM20D1	3.94067E-05	0.64761657	0.42906287	0.679535125	7.13764466	7.9081094	0.58540486	7.52287703	12.8507254
PODN	0.000409957	3.80899616	4.07468356	8.065189618	0.21341403	0.56452933	5.31628978	0.38897168	-13.6675497
PON3	0.000129054	4.2233706	3.14460513	5.948611901	0.10790921	0.0885863	4.43886254	0.09824776	-45.1802933
POPDC3	8.09322E-10	0.0219531	0.02479177	0.059573506	1.02628327	0	0.03543946	0.51314164	14.4793866
PPP1R42	3.36259E-05	2.16019581	3.28611377	4.871667258	0	0	3.43932561	0	#DIV/0!
PRELID3A	2.90688E-07	4.01841487	5.03384002	2.915985976	0.15496575	0.07009894	3.98941362	0.11253235	-35.4512618
PRKCQ	0.000257374	1.18257988	2.3355906	2.916061456	25.5652587	23.6814517	2.14474398	24.6233552	11.48079
PRR32	9.56146E-05	0.04946676	0	0	1.12122	12.5123291	0.01648892	6.81677457	413.415454
PRSS55	3.69684E-05	0.06892066	0.01945813	0.327299028	5.34553209	9.10728143	0.13855927	7.22640676	52.1539024
PTGER3	0.005290951	0.20277665	0.24080081	0.204223602	3.2294551	1.17059837	0.21593369	2.20002674	10.1884368
PTH	1.16853E-14	0	0	0	31.7434441	9.43878731	0	20.5911157	#DIV/0!
PTPN18	0.021759743	4.64961152	5.19515123	11.2928783	0.05238701	0.56768261	7.04588035	0.31003481	-22.7260944
PTPRCAP	0.000259595	0.41231351	0.97781892	1.286715797	0	0	0.89228274	0	#DIV/0!
PTS	0.000140209	9.41889611	8.21059238	22.54821097	1.90472026	3.35067622	13.3925665	2.62769824	-5.09669119
PVR	0.000282993	10.2462703	11.076221	16.15262065	0.83063892	0.37194514	12.491704	0.60129203	-20.7747706
PYCR3	3.55226E-05	9.44027577	10.1946421	33.38428819	0.42359207	0.52161146	17.6730687	0.47260177	-37.3952658
RABL2B	0.001110701	33.5338696	35.5254046	60.44158577	3.72044915	5.307371	43.1669533	4.51391008	-9.56309554
RAMP1	0.000300287	13.8982798	11.1730027	48.46627376	1.77471899	4.03456567	24.5125188	2.90464233	-8.43908336
REG4	0.006053788	3.53428262	0.69750629	3.103844969	0	0	2.44521129	0	#DIV/0!
RGS18	0.023113919	0.03840671	0.01239226	0.029778051	0.52465063	1.98123537	0.02685901	1.252943	46.6488943
RGS9	0.004244381	3.51318438	4.26969659	7.262618111	1.28183585	0.35570777	5.01516636	0.81877181	-6.12523088
RHCG	0.001984968	0.02321493	0.03277095	0.031498847	1.13460292	2.55131836	0.02916158	1.84296064	63.1982522

RHO	6.74095E-08	0.01536268	0	0	2.38307975	2.21094382	0.00512089	2.29701178	448.556751
RHOV	0.000513571	0.13398963	0.10087685	0.121201271	3.72510265	2.80484669	0.11868925	3.26497467	27.5085958
RNASE10	3.27569E-08	4.51549877	3.73785337	3.261524749	0.07160602	0.0391892	3.8382923	0.05539761	-69.2862432
RNF175	2.29071E-19	11.3063585	9.80536597	17.18707261	0	0	12.7662657	0	#DIV/0!
RNF207	8.95773E-06	1.52155743	1.87420502	7.215581507	0.05739467	0.01570574	3.53711465	0.0365502	-96.7741488
RPL10L	2.70394E-08	0.3170798	0.05508924	0	14.0975214	30.3794644	0.12405635	22.2384929	179.261226
RPL15	8.22913E-07	204.830505	194.397654	367.4749738	11.1106715	15.557057	255.567711	13.3338643	-19.1668151
RPL17	0.003049997	1.54212508	0.82930041	2.83969957	30.8968448	96.3649678	1.73704169	63.6309063	36.631767
RPL39	1.462E-08	83.0176831	87.5177356	434.7437975	0	0	201.759739	0	#DIV/0!
RPS27P	0.009219205	0	0	2.177997196	31.4946826	191.532672	0.72599907	111.513677	153.600304
RPS4Y1	1.5529E-05	15.4530402	17.9907449	34.91558769	156.51804	573.251716	22.7864576	364.884878	16.013234
RTBDN	0.02004229	0.13886048	0.03920399	0.376821696	4.4629569	4.45105234	0.18496206	4.45700462	24.0968591
SAPCD2	0.03698879	1.6609431	1.82293295	2.146311173	0.08403382	0.16932973	1.87672908	0.12668178	-14.8145151
SCNN1B	0.014340809	0.28846947	0.43721797	0.906413061	2.12930964	4.29059914	0.5440335	3.20995439	5.90028812
SERHL2	5.57234E-13	0.13984887	0.01858025	0.044647512	12.6385418	9.38522013	0.06769221	11.011881	162.675747
SERPINB6	2.40112E-07	13.0377335	10.3084233	9.690877162	0.13186923	0.44286499	11.0123447	0.28736711	-38.3215209
SERTM2	2.30675E-05	0.05185885	0.02702977	0.021650439	0.93243983	2.6513139	0.03351302	1.79187686	53.4680844
SFTPC	0.000521866	5.11072632	1.73616426	7.892830548	0	0	4.91324038	0	#DIV/0!
SH3D21	0.000945503	6.44425329	9.19519636	29.62982045	0.95621451	1.95506606	15.0897567	1.45564028	-10.366405
SH3RF3	0.002273345	3.50969947	3.2789154	6.374700395	0.35594687	0.60528957	4.38777176	0.48061822	-9.12943281
SIRT5	0.000216572	66.5389162	53.3539787	82.57958379	5.5214808	3.95900098	67.4908263	4.74024089	-14.2378474
SKA1	0.000138265	0.12378464	0.06212921	0.149293693	4.85155509	3.16704952	0.11173585	4.0093023	35.8819702
SLC16A4	0.001588435	0.04180884	0.05114955	0.156001246	1.00687241	2.93555828	0.08298655	1.97121535	23.7534327
SLC22A10	1.10691E-11	0	0.03692866	0	0.02316217	0	0.01230955	0.01158109	-1.06290129
SLC22A18	0.043406991	0.43368294	0.89789457	2.68065492	0.0383981	0	1.33741081	0.01919905	-69.6602609
SLC36A2	0.000499745	0	0	0	2.94609337	0.60971776	0	1.77790557	#DIV/0!
SLC36A3	0.003684148	0	0	0	4.74120704	0.3377543	0	2.53948067	#DIV/0!
SLC38A11	1.29243E-08	0	0	0	1.9250817	5.69842895	0	3.81175533	#DIV/0!
SLC39A12	2.67933E-16	17.335714	14.7379848	11.5946107	0.08011059	0	14.5561032	0.04005529	-363.400234
SLC45A2	0.005284725	0.37512831	0.26707398	0.22129889	3.50043498	6.06021857	0.28783373	4.78032677	16.6079452
SLC49A3	4.93865E-06	0.87186736	0.87968798	1.832650381	0.00759293	0	1.19473524	0.00379646	-314.696884
SLC5A10	0.000310502	0.01841263	0	0	1.76066579	2.0717253	0.00613754	1.91619554	312.208918
SMIM10L1	0.002521749	40.4646784	37.5229181	111.4706426	5.59889806	3.5674954	63.1527464	4.58319673	-13.7791917
SMIM33	1.08004E-05	0.02874991	0.01623372	0	1.08438505	1.4293483	0.01499454	1.25686667	83.821595
SNHG3	0.004868252	3.35515274	3.17143267	7.636268241	0.24208932	0.11924356	4.72095122	0.18066644	-26.1307592
SOX7	0.000488582	0.31626518	0.17858006	0.343295881	3.58425368	6.15152683	0.27938037	4.86789025	17.4238806
SPACA9	6.26574E-05	0.18329197	0.38441499	2.025104678	0.09737155	0.27406484	0.86427055	0.18571819	-4.65366657
SPAG11B	4.53006E-06	0	0.0461073	0.11079377	0	0	0.05230036	0	#DIV/0!
SPIN3	5.85916E-05	0	0	0	5.17895586	1.60773996	0	3.39334791	#DIV/0!
SRD5A1	8.03319E-09	21.6526347	21.8520658	36.33773253	0.66722549	1.06126144	26.6141444	0.86424346	-30.7947304

SRSF3	0.004568038	18.4130075	19.3945367	25.85035683	116.269286	324.649437	21.2193003	220.459362	10.3895679
SSLP1	9.03639E-10	4.77289839	6.1210831	9.392012359	0	0	6.76199795	0	#DIV/0!
SSTR1_1	2.30828E-05	0.07115467	0.03571351	0	0.04200003	0	0.03562273	0.02100001	-1.69631924
STAB1	0.002551115	0.98968727	0.72503914	1.710788172	5.61958687	18.279373	1.1418382	11.9494799	10.4651254
STARD6	0.028101681	0.0588072	0.17508437	0.029015163	2.66964981	2.68588222	0.08763558	2.67776601	30.5556959
STRC	5.81499E-07	0	0	0.017708525	2.5792102	2.80037985	0.00590284	2.68979503	455.677995
SULT1C4_2	1.05487E-06	3.60793822	3.14058987	2.26068437	0.02603289	0	3.00307082	0.01301645	-230.713571
SUMO3	0.023019958	39.1444194	33.5219067	87.51877948	4.5339159	6.62605636	53.3950352	5.57998613	-9.56902651
SYCE1L	5.65486E-07	3.48075697	3.53966344	7.588600758	0.07181003	0	4.86967372	0.03590502	-135.62656
TAS1R1	4.17417E-06	0	0.01311649	0	1.06126299	1.30683971	0.00437216	1.18405135	270.815981
TBX1	2.80359E-05	0.00880491	0.02983032	0.04778728	1.02904986	4.5157418	0.0288075	2.77239583	96.2386658
TCAP	5.14945E-06	21.4049556	16.2986085	28.68696187	0.15931507	0.39236129	22.1301753	0.27583818	-80.2288337
TCEAL7	3.63816E-20	0	0	0	50.3135913	85.6357646	0	67.974678	#DIV/0!
TCFL5	0.025556678	9.33907957	9.60897989	9.268499828	2.45562321	4.52458376	9.40551976	3.49010348	-2.69491143
TDRD5	0.001000058	0.00509934	0.10365692	0.138379404	0.02167169	0	0.08237856	0.01083585	-7.60241043
TEX22	1.36738E-05	1.16643291	0.90284078	1.280352295	0	0	1.116542	0	#DIV/0!
TIGD5	0.024856408	4.35610306	3.51797964	7.176225349	0.318249	0.47027035	5.01676935	0.39425967	-12.7245308
TLE6	0.002176595	0.53231238	0.47414134	0.813814521	0.01593151	0.01961806	0.60675608	0.01777479	-34.1357749
TLR10	0.001872924	0.14318333	0.2829711	0.194276243	2.37067198	8.49235346	0.20681023	5.43151272	26.2632695
TMEM250	0.000111893	7.23017063	6.85601754	14.58416252	0.29856677	0.30637937	9.55678356	0.30247307	-31.5954858
TMEM262	3.74348E-09	0.16097898	0.12119633	0	10.4332024	18.2532076	0.09405844	14.343205	152.49249
TMEM273	0.00199435	0.58477577	0.71732093	0.164160948	0	0	0.48875255	0	#DIV/0!
TMEM40	9.90514E-06	0.11040361	0.11082617	0.133155152	4.92664418	8.5382788	0.11812831	6.73246149	56.9927862
TMIE	0.019172761	0.10237348	0.02102018	0.277807967	3.36195846	4.57826127	0.13373388	3.97010986	29.6866434
TNFRSF19	7.79956E-05	6.49024193	5.47119244	7.943175959	0.43707626	0.72866152	6.63487011	0.58286889	-11.3831262
TNFSF9	1.24109E-08	11.0451064	18.1740295	70.24800725	0.1070888	0.26373838	33.1557144	0.18541359	-178.820306
TPK1	0.000361023	2.44542714	2.33555431	4.815901836	0.77203797	1.02381774	3.1989611	0.89792786	-3.5626037
TPMT	1.06439E-07	41.6459063	34.0328084	36.88745037	2.3888074	1.24140009	37.522055	1.81510374	-20.672127
TPPP	0.011231133	78.9763251	84.5368853	88.24179145	10.5361025	13.5419816	83.9183339	12.039042	-6.97051589
TRIM34	0.000800971	1.54733747	0.61711761	0.936572148	0	0	1.03367574	0	#DIV/0!
TRIM5	1.22109E-06	3.02080189	2.24713352	2.054256857	0	0	2.44073075	0	#DIV/0!
TRIM52	9.89976E-13	4.07952616	4.44195989	3.1853209	0	0	3.90226898	0	#DIV/0!
TRPM1	0.003058662	0.02144752	0.01211041	0	0.28864106	2.65639196	0.01118598	1.47251651	131.639518
TSNARE1	0.001283268	2.33180336	2.61047041	4.117840107	0.33319719	0.1852964	3.02003796	0.25924679	-11.649278
TTLL9	6.05555E-08	0.13261893	0.18432902	0.498301151	5.65784834	16.6035319	0.2717497	11.1306901	40.9593466
TTR	0.000174349	5.325451	6.01406293	14.10947513	0	0	8.48299635	0	#DIV/0!
TUBA1D	2.34971E-21	0.26939788	0.11589813	0.069624501	50.9486649	29.9424728	0.15164017	40.4455689	266.720679
TUBB6	7.87891E-05	3.95266706	2.92854274	4.402097983	44.642088	36.4090511	3.76110259	40.5255696	10.7749173
TUNAR	3.36735E-08	1.86333276	2.27168907	2.607847158	0.07451245	0.12173391	2.247623	0.09812318	-22.9061375
TYMS	4.56116E-08	7.39852867	7.60756194	14.15172872	0.09872214	0.18234973	9.71927311	0.14053593	-69.1586339

TYRP1	5.08266E-06	4.27584123	1.0501721	5.789243422	0.03874604	0	3.70508558	0.01937302	-191.249752
UVSSA	1.16552E-05	8.03337016	7.31283026	5.364256542	0.32735943	0.51634384	6.90348565	0.42185163	-16.3647243
VILL	5.438E-08	0.02122533	0.03595484	0.115197139	3.69842623	3.23980749	0.0574591	3.46911686	60.3754103
VOPP1	0.034690179	14.0100028	12.7859258	30.40195063	3.12710562	2.36011823	19.0659597	2.74361192	-6.94921886
VSTM1	0.000128767	0.79355833	1.28680829	1.067525386	0	0	1.04929733	0	#DIV/0!
VWA5A	6.54095E-21	21.4956523	15.1391705	9.836083073	0	0	15.490302	0	#DIV/0!
WDR27	5.67549E-06	1.48704265	1.06499982	1.802897679	0.08527441	0.02333488	1.45164671	0.05430464	-26.731539
WIF1	9.22324E-05	0.27379871	0.25122702	0.04643748	27.8904434	4.16430284	0.19048774	16.0273731	84.1386082
XDH	6.35001E-10	8.98162964	5.28281605	10.78469489	0.1383008	0	8.34971353	0.0691504	-120.747147
XRCC3	5.16726E-07	1.258029	1.64704824	2.048326246	0	0	1.6511345	0	#DIV/0!
ZDBF2	0.015122712	0.01847148	0.02607494	0	0.61820279	0.3866693	0.01484881	0.50243604	33.8367921
ZFP28	0.000358288	4.48171947	5.8352074	4.148098443	0.42699117	0.20656315	4.8216751	0.31677716	-15.2210315
ZNF232	4.66353E-07	0	0.01492041	0.143412267	5.99398427	8.85027952	0.05277756	7.42213189	140.630453
ZNF266	0.007350596	10.7045698	9.81758952	16.40124438	2.71332065	1.5035329	12.3078012	2.10842677	-5.83743357
ZNF300	4.06829E-13	0.50209865	0.59402403	0.291970853	13.9844607	22.3662792	0.46269784	18.17537	39.2812937
ZNF333	0.003814028	5.76108237	5.73916754	6.554703598	0.60617056	0.53548862	6.01831784	0.57082959	-10.5431077
ZNF444	4.17254E-08	2.94062036	3.39108941	1.952779511	0.03775631	0.09298628	2.76149643	0.0653713	-42.2432543
ZNF446	0.008398658	1.84639166	1.96003243	2.137813273	0.11770468	0.11273235	1.98141245	0.11521851	-17.1969974
ZNF575	0.009719281	4.99500679	4.52537749	5.958027884	0.11915699	0.45147681	5.15947072	0.2853169	-18.0832986
ZNF70	8.97106E-06	3.23967524	2.66771762	4.569221431	0.19625857	0.14872177	3.49220476	0.17249017	-20.245819
ZNF75D_2	0.013083112	2.4978571	3.98735931	3.610030353	0.19954212	0.36038384	3.36508225	0.27996298	-12.01974
ZNF789	0.000133467	0.58888434	0.47063698	0.737556214	6.75728751	15.9780759	0.59902585	11.3676817	18.976947
ZNF845	3.86611E-06	1.53081598	1.57843252	0.881823255	0	0	1.33035725	0	#DIV/0!
ZWILCH	0.00125531	5.67608794	6.09516015	5.080299717	0.43731395	0.34742489	5.6171826	0.39236942	-14.316056
ZWINT	0.002984414	2.32055693	2.1453768	6.786650419	0	0	3.75086139	0	#DIV/0!

Additional File I_7: Gene expression (RPKM values) of differentially expressed genes in whale and cattle brain samples. The cutoff was set to Fold change of normalized unique gene reads > 2, Range of normalized unique gene reads ≥ 5, Bonferroni corrected *p* -value < 0.05.

Feature ID	Boferroni corrected *p* -value	RPKM cattle (SRR594491)	RPKM cattle (SRR594482)	RPKM cattle (SRR636935)	RPKM cattle (SRR636934)	RPKM cattle (SRR8305676)	RPKM killer whale (SRR8305677)	RPKM visual cortex long-finned pilot whale (SRR8305674)	RPKM cerebellum long-finned pilot whale (SRR8305675)	RPKM bowhead whale (SRR1685414)	RPKM minke whale (SRR918699)	RPKM mean cattle	RPKM mean whale	RPKM fold difference
A3GALT2	0.006042654	0.688092603	0.914196466	0.86924775	0.581831913	2.178466592	0	0	0	0	0.0897129	1.046367065	0.01794258	-58.31753654
ABHD14B	0.044668388	3.646078811	2.761172608	11.80381834	13.04289816	12.00891442	0.336725742	0.136724713	0.59125228	1.145717959	1.937142954	8.652576469	0.829512729	-10.43091463
ACACB	1.40711E-05	0.181397048	0.095327515	0.098060408	0.0796029	0.058485379	1.814028402	1.396813941	3.072796535	5.849376028	9.580689132	0.10257465	4.342740807	42.33736901
ACBD7	9.04413E-49	96.47651817	86.76555553	64.96329746	67.20032659	134.091856	0	0	0	0	0	89.89951074	0	#DIV/0!
ACE2	1.04626E-05	0.083244484	0.041781547	0.040400598	0.038779243	0.025099795	0.580860887	1.818039532	2.091645026	0.621607804	0.891782898	0.045861133	1.200787229	26.18311276
ACOT2_2	1.27816E-05	0.064412623	0.0207833	0.030144567	0.027556958	0.049941337	1.155745253	1.182978777	1.23663992	1.68873478	0.688341016	0.038567757	1.190487949	30.86744058
ACSM5	3.2664E-13	1.550963442	0.956065544	2.766002264	2.085055054	3.694191134	0	0	0	0	0	2.210455488	0	#DIV/0!
ACY1	0.001357102	3.233420931	1.895737459	4.724179854	4.467110205	6.542614733	23.28924327	23.1262976	31.4172934	30.63558966	36.83858156	4.172612637	29.0614011	6.964797269
ADAM18	0.00264445	0	0.053536453	0	0.018929323	0.021440948	0.248093822	1.208837428	0.490077747	0	0.01313424	0.018781345	0.392028648	20.87330009
ADAMTSL5	0.012739878	2.991061645	2.941335198	7.098307638	3.725030508	13.49217309	0.183884944	0.037332483	0.068107741	0.272470601	0.927257093	6.049581616	0.297810572	-20.31352201
ADGRA1	3.52765E-08	2.323349042	3.71969592	5.909397962	10.77691824	7.9158613	0.209120218	0.618641231	0.250804859	0.059021494	0.502937607	6.129044493	0.328105082	-18.68012667
ADH6_2	6.22999E-06	5.457370074	4.151196994	0.630183213	0.811533089	9.975139865	0	0	0	0	0.020855103	4.205084647	0.004171021	-1008.166837
AFMID	6.27454E-06	1.223967637	1.824095428	7.08809019	10.77404344	6.465929177	0.052503474	0.063955809	0.479676903	0.025932254	0.041693495	5.475225175	0.132752387	-41.24389256
ALB	0.042445796	1.247167843	1.367009404	1.341855173	0.834868188	1.965940243	6.670812432	1.675842046	1.422015142	457.7184571	20.6253812	1.35136817	97.62250158	72.23975208
ALDH1B1	0.018141355	0.091614051	0.141082204	0.118229977	0.209511092	0.079103313	1.351166998	2.017543413	0.634977582	1.636112452	1.979810535	0.127908127	1.523922196	11.91419362
ALDH3A2	0.008624941	36.14003072	32.4152992	41.1189297	47.89654809	53.01326596	3.980450261	5.122202775	7.953597966	12.94538098	16.81605428	42.11681474	9.363537252	-4.497959863
ALDOB	4.27435E-05	7.777618858	7.501162779	6.395825557	5.7069931	11.25839974	1.166111048	0.63131971	0.712989287	13.98759385	2.980901173	7.728000008	3.895783014	-1.983683378
ALG5	0.032956397	6.675726892	5.490464559	5.066452685	4.611839816	10.17963263	18.33992558	19.8493281	16.04117791	11.03589476	16.06132053	6.404823316	16.26552938	2.539575032
AMZ1	0.004659747	2.505404197	3.300202265	1.964417846	4.605860357	4.04368795	0.343447183	0.533206083	0.069839017	0.019956908	0.064172845	3.283914523	0.206124407	-15.93171118
ANKEF1	3.30291E-05	1.241265088	1.851247844	2.018422741	1.066691841	0.402741723	0	0	0.10460801	0	0	1.316073847	0.020921602	-62.90502235
ANKRD9	0.012050174	2.619522092	3.097593493	4.61986567	3.944558963	3.425101955	0.202956923	0.082408986	0.036446868	0.20048694	0.785337329	3.541328435	0.261527409	-13.54094564
ANO7	0.013987564	0.019774552	0.06699455	0.097170404	0.12436102	0	0	0	0	0	0	0.061660105	0	#DIV/0!
ANOS1	1.2435E-05	34.65864205	24.38210876	17.39708335	23.49013742	20.28440072	3.534630949	6.018224189	3.755139896	3.946404673	1.967176972	24.04247446	3.844315336	-6.254032867
ANXA9	0.000237097	1.822974853	1.939004514	7.22190333	12.07399724	11.5908291	0.221865694	0.225216843	0.191741997	0	0	6.929741807	0.127764907	-54.23822537
AOAH	0.000543626	0.273273867	0.114972269	0.117023416	0.218235384	0.101784862	2.523761836	1.537129048	1.274039016	0.858716427	0.151424113	0.16505796	1.269014088	7.688293802
AOX2	0.034625353	0.003385773	0.005735359	0.014788789	0.004055796	0	0.823926874	0.140294624	0.10062887	0.210038631	0.028141418	0.005593143	0.260606084	46.59384961
ARHGAP11A	0.000274097	0.113344743	0.069818662	0.015002453	0.024686358	0.018641234	3.343322876	5.714757939	2.201436171	0.497170813	0.628055928	0.04829869	2.476948745	51.28397355
ARHGAP19	5.64299E-05	4.604387507	5.076668354	9.442643327	10.50885714	10.58561796	1.555713196	0.905414486	1.135344626	1.588006196	1.103629604	8.043634858	1.257621622	-6.395910121
ARHGAP36	0.017652636	0.05942063	0.210259402	0.553695269	0.38436987	0.042999481	18.76171374	7.643292444	6.163245381	0.491493055	1.066790646	0.25014893	6.825307054	27.28497397
ARMC10	0.030157152	16.22011055	16.14049535	4.8639612	7.696153802	15.09762788	2.014679297	3.696346639	1.790884057	3.272708674	1.417371192	12.00366976	2.438397972	-4.922768922
ARSB	0.001158572	15.82966236	25.36541429	70.65757425	103.0513603	27.74248906	4.046139251	9.265964482	7.593001109	8.062313841	7.116505866	48.52930004	7.21678491	-6.724504146
ASCL3	0.003430271	0	0	0	0	0	76.49075098	42.6914388	34.6604126	0	0.087085326	0	30.78593754	#DIV/0!
ASGR1	1.29312E-11	0.026433329	0.029851313	0	0	0.071731364	9.821733546	5.336101802	12.46756696	3.347943356	7.601795119	0.025603201	7.715028157	301.3306049
ATP13A5	0.000694978	0	0.019272474	0	0.020442981	0.011577722	0	0	0	0	0.021276753	0.010258636	0.004255351	-2.410761519
ATP1A4	4.44039E-13	0.165071532	0.120268546	0.046517389	0.10843706	0	5.406175646	13.49893691	10.087451	4.487022468	15.50824958	0.088058905	9.79756712	111.2615139
ATP2C2	0.003288799	1.084025799	1.091525107	1.586088201	2.878554247	3.101091487	0.223568957	0.317724165	0.220815999	0.082818047	0.292937999	1.948256968	0.227573033	-8.561018583
ATP4A	0.000183583	0.010686134	0.012067914	0	0.006400427	0.028998654	0.44739233	0.079476237	3.78362561	8.83895145	1.749746109	0.011630626	2.979838347	256.2061946
ATP6V1E2	0.006052077	0.247478659	0.341585561	0.360322466	0.312922776	0.149239047	2.518321809	5.112719102	2.06091565	2.061215492	0.708508613	0.282309702	2.492336133	8.828375779
AXDND1	0.001843429	0.010642735	0.152239442	0	0.038246601	0.019253923	1.188201014	1.877067946	2.154600956	1.962347608	0.689979304	0.04407654	1.574439366	35.72057508
B3GNT6	8.39023E-09	0.853183405	1.449340153	1.934377922	2.741273899	3.747580623	0.018919442	0.046092502	0	0	0.072115702	2.145151201	0.027425529	-78.21731305
BCAS4	4.93567E-05	46.66196821	35.35597867	23.84121675	34.45280258	61.02604826	6.761484227	4.774686883	0.774287009	4.452798043	5.696187761	40.26760289	4.491888785	-8.964514667

BCL6B	0.00946021	0.912775202	0.299651851	0.591085639	0.800984764	0.619242944	14.0528314	6.066892455	6.93989464	2.96291568	2.478905077	0.64474808	6.50028785	10.08190338
BCNT2	8.7802E-08	16.20667458	22.20020475	7.968670871	5.882501454	8.731935457	0.374212862	0.225865749	0.329647635	0.069935429	0.003212604	12.19799742	0.200574856	-60.81518726
BCO2	0.004185228	0.632302188	0.102008936	0.213714307	0.198374755	0.245122891	1.772702452	6.382148853	8.248561743	7.821708146	7.745585257	0.278304615	6.39414129	22.97533327
BHMT	1.33185E-20	0	0.044094299	0.149229185	0.011693088	0	26.4617507	68.88559141	5.85282906	43.95306717	28.03966432	0.041003314	34.63858053	844.7751372
BOLA_1	0.000331943	0.452551336	0.353816909	0.456163567	0.479557474	0.80297246	15.66754258	11.76170436	13.36035283	4.679053366	3.906127936	0.509012349	9.874956215	19.40022915
BRB	9.08721E-06	56.07610051	36.19020369	62.77884688	46.81248496	54.41473956	8.369374676	1.045635577	1.377719474	1.589907598	0.511246002	51.25447512	2.578776666	-19.87549981
BTN1A1	0.036853117	0	0	0	0	0	0	0.022975489	1.033914982	2.878614509	0.467312792	0	0.880563554	#DIV/0!
BUB1B	0.021450808	0.144124248	0.123473373	0	0.071439536	0.188809707	2.236739673	3.041446485	9.761568885	1.284603828	0.652656006	0.105569373	3.395402975	32.16276544
C11H2orf78	9.40151E-05	0	0.014196357	0	0	0	0.197362455	0.133562331	0.162443497	9.065665896	157.7931015	0.002839271	33.47042713	11788.3856
C11H9orf116	2.23293E-07	5.467401874	5.940491266	4.342033295	4.465477443	8.10881943	0.371593583	0	0.061169649	0.061178549	0.147542955	5.664844661	0.128296947	-44.15416568
C13H20orf27	0.044694453	30.33324408	20.64018033	32.67432622	39.33884999	57.91165342	13.53521752	7.186898486	5.587367972	7.816596565	8.907426581	36.17965081	8.606701425	-4.203660499
C14H8orf89	3.78929E-09	2.358858018	2.271912751	2.049431649	2.756367293	7.587211999	0.134546889	0.204868709	0.365447834	0.564865186	0.512855675	3.404756342	0.356516859	-9.550057056
C15H11orf1	0.023274402	0.224849861	0.427661913	0.594445034	0.340226853	0.128456545	2.105696968	1.282501355	2.722049402	10.27799624	11.64605722	0.343128041	5.606860237	16.34043145
C15H11orf65	3.63889E-06	0	0.140459325	0	0	0	0	0	0	0	0.465200005	0.028091865	0.093040001	3.311990898
C16H1orf105	1.46115E-07	1.382831236	1.03277749	1.456956672	1.428916766	3.021221799	0	0	0	0	0	1.664540793	0	#DIV/0!
C18H19orf18	1.90507E-05	1.314531481	0.76430119	1.179621175	1.153717982	1.218501134	0.034056307	0.027656566	0.084092372	0.067283685	0.075724402	1.126134592	0.057762666	-19.49589006
C19H17orf100	1.27411E-05	5.051972191	4.34293358	3.690975438	3.770105951	2.551538441	0.237330576	0.256976333	0.531325168	0.547031955	0.487499783	3.88150512	0.412032763	-9.420379801
C19H17orf80	2.79954E-05	1.961321821	1.723809193	2.553716178	2.211454978	1.899176148	0.150723053	0.134639678	0.186083871	0.416888515	0.248956393	2.069895663	0.227458302	-9.100110424
C1H3orf30	2.41195E-05	0.036994512	0.027852079	0	0	0	0.968022022	1.048152975	2.358385192	0.382496483	1.660424967	0.012969318	1.283496328	98.96405631
C1QL2	0.000396244	2.391743419	1.247609295	2.363000122	5.975685434	2.16346841	0.059603701	0.048403183	0	0	0.189327406	2.828301336	0.059466858	-47.56096814
C23H6orf52	2.08923E-16	0.79028775	0.964917852	0.67525285	1.021984967	1.521399257	0	0	0	0.006632308	0.002132665	0.994768535	0.001752995	-567.4680815
C23H6orf89	1.4089E-06	27.85463429	25.57562468	20.18960215	24.57571551	24.1972295	3.34347047	4.564306618	4.142109093	5.779865847	4.051287235	24.47856123	4.376207853	-5.593555437
C25H7orf61	0.00863973	0.137421077	0.258650708	0.275112062	0.603591481	1.553815073	12.22588203	6.886636672	5.297757877	7.636985425	4.340353865	0.56571808	7.277523174	12.86422236
C26H10orf120	8.58802E-09	0	0.019193989	0	0	0.092244587	3.113147141	6.211990063	5.139330021	5.008280876	3.051375234	0.022287715	4.504824667	202.1214205
C26H10orf143	0.005004984	1.760082514	2.733048264	3.057688516	3.617808942	4.884837162	0	0.127502954	0.155073856	0.103397612	0.365730544	3.21069308	0.150340993	-21.35607204
C2CD6	0.010708915	0	0.159926937	0.029455445	0.080780972	0	0.2117483	0.372574161	0.609994287	2.091713264	1.44610108	0.054032671	0.946426218	17.51581416
C3H1orf162	0.000113952	0.340727149	0.661830475	1.785923398	1.616293587	2.477985489	0	0	0	0	0	1.37655202	0	#DIV/0!
CABLES1	2.14862E-09	29.0866115	22.6543126	20.65360678	23.43837419	54.98734062	3.546932809	3.620696863	3.372294123	3.896712487	5.749129411	30.16404914	4.037153139	-7.471613808
CALM	1.82247E-23	3.019797632	0.838891203	2.750905568	3.017721496	2.322572763	351.7355321	361.5778756	145.9064975	142.6719008	144.1815126	2.389977732	229.2146637	95.9066106
CAPN11	2.18314E-06	0.012046748	0.054417853	0.052619253	0.036076813	0.098072741	3.71963031	2.278287225	3.845065704	0.591634634	6.948922998	0.050646681	3.476708174	68.64631745
CAPS2	0.000243525	1.375793593	2.77026169	0.921246019	0.567490514	0.281769921	0	0	0	0.033548845	0	1.183312347	0.006709769	-176.3566448
CARD6	0.003804412	1.768209739	1.152229135	1.764484708	1.161375402	0.638943425	0.120804453	0.029430992	0.023863381	0.071600559	0.122792878	1.297048482	0.073698452	-17.59939919
CATSPERD	0.000341738	3.886109204	4.209661653	6.72220663	5.243564271	1.526481562	0.207311754	0.117848121	0.071665644	0.22526765	1.435557782	4.317604664	0.41153019	-10.49158668
CCDC122	0.02874225	0.068294111	0.051416625	0	0	0.247103682	3.693189795	1.064224654	1.470852026	7.178802179	3.859938301	0.073362884	3.453401391	47.07286873
CCDC125	0.031567581	1.018079112	0.484093764	1.170234162	1.198155051	0.896676164	6.40287725	6.490100423	6.462516748	14.8197835	7.942343188	0.95344765	8.423524222	8.83480516
CCDC159	3.9322E-07	0.486140065	0.638633601	0.866702744	0.736843655	0.888457176	5.659391856	6.282467253	14.17938649	10.71943195	9.450137936	0.723355448	9.258163097	12.79891251
CCDC17	5.17357E-08	3.080007093	3.327275336	4.745131415	5.302614567	9.044918334	0.174931482	0.44647106	0.518332293	0.271546893	0.127007736	5.099989349	0.307657893	-16.57681947
CCDC188	3.22562E-09	0.36034744	0.447233803	0.857112046	1.448832203	1.045637256	0	0	0	0	0	0.83183255	0	#DIV/0!
CCDC190	4.95171E-16	7.912360548	5.134317318	4.304090852	4.733240394	7.01597954	0	0.020731649	0	0	0.016218228	5.81999773	0.007389975	-787.5530531
CCDC7	0.008956755	0	0.285936744	0	0.01516515	0	1.325062388	1.365252811	2.298485143	0.572659674	0.720787364	0.060220379	1.256449476	20.86419079
CCL25	3.45038E-10	5.672274224	4.380552409	4.778542193	5.633131323	15.30011948	0.204019725	0.134615859	0.050376873	0.226728909	0.048604187	7.152923927	0.13286911	-53.83436302
CCNA2	0.003735329	0.14510614	0.257508762	0.271633824	0.434554372	0.618781985	2.440889965	3.061407842	7.178926776	9.859064983	10.21717047	0.345517017	6.551492008	18.96141635
CD177	0.001627424	0	0	0.013137959	0.028824472	0	0.598156166	0.421837927	0.373130943	2.487901533	2.780007943	0.008392486	1.332206903	158.7380506
CD46	1.37634E-09	18.52089464	16.72141871	16.15072283	16.04633862	11.88178589	1.835718023	2.814898764	2.111744043	3.114742292	2.106035462	15.86423214	2.396627717	-6.619397761
CD58	1.99731E-08	6.29568818	5.210469679	8.333505748	10.05268586	4.675444574	0.412290636	0.320257282	0.132787115	0.371858016	0.142349486	6.913558808	0.275908507	-25.05743254
CD8A	0.003134726	1.850705164	2.239298735	0.927979805	1.323382391	6.508368093	0	0.020064567	0.195226212	0.048813654	0.015696375	2.569946837	0.055960161	-45.92457865
CD99	1.64811E-07	17.18155867	7.724595702	13.74877248	12.35740578	8.77516733	0.366802894	0.047389139	0.041168886	0.92231722	0.640819473	11.95749999	0.403699522	-29.61980219
CD99L2	2.9056E-10	26.95832007	26.74466499	24.71635069	35.60951057	32.62574728	2.008050251	3.875115036	3.134931098	3.028741376	2.22902658	29.33091872	2.855172868	-10.27290468
CDC25A	0.00011999	0.368994629	0.309859639	0.702553174	0.566687674	0.333776699	3.589809289	3.669162457	7.360187998	3.546121364	4.624033363	0.456374363	4.557862894	9.987114233
CDC42EP1	3.87553E-05	5.888011525	8.79855385	29.97224668	45.78701605	18.79066563	5.190200661	2.240339722	1.408575228	2.448044214	3.549762759	21.84729875	2.967384517	-7.362476492
CDKL4	0.004408594	8.155213199	11.30062065	7.695820494	7.973962355	5.252694539	0.312561876	0.449964891	0.175405164	2.933201024	1.362889121	8.075662247	1.046804415	-7.714585582
CDRT1	5.67571E-05	0.039317963	0.029601337	0.209901736	0.198861369	0.248957391	4.663979188	2.330080148	3.646850837	1.490570734	4.952803172	0.145327959	3.416856816	23.51135209
CDRT4	1.01031E-07	0.297493286	0.482030864	0.692086316	1.030360739	0.324674582	0	0	0	0	0.00537536	0.565329157	0.001075072	-525.8523965
CELA1	1.20023E-06	0.508450232	0.915124585	3.08839844	6.033593657	8.451071355	0	0	0.082128793	0.164281484	0.10565174	3.799327654	0.070412404	-53.9582156

CENPH	0.01722614	0.362041069	0.647353899	0.296506318	0.252983943	0.245615106	8.368168093	4.647969122	3.196888018	4.601069143	5.341268273	0.360900067	5.23107253	14.49451803
CEP78	3.98618E-12	1.675416674	2.128565067	1.94755589	1.90176714	2.658253413	52.18376901	15.51834781	13.98526317	51.72331626	51.09762801	2.062311637	36.90166485	17.89335045
CERK	0.032517978	14.4227998	14.46493505	28.75831798	24.33746812	16.24893389	4.332562771	6.384020226	5.624877418	6.217874285	6.006859414	19.64649097	5.713238823	-3.438765922
CETN4	0.000609998	71.35653143	64.46260734	14.76129104	26.81563896	63.33958641	1.792172312	3.025686697	1.444032267	5.590615586	0.539310562	48.14713104	2.478363485	-19.42698532
CFAP46	3.1702E-10	1.753038002	2.45484791	2.497076045	5.051554541	3.298303657	0.193678028	0.223507045	0.221497318	0.70486673	0.466261444	3.010964031	0.361962113	-8.318450804
CFAP47	0.00512631	0.132961986	0.075077374	0.316005866	0.295125984	0.021224418	0	0.020774818	0.010106844	0.020216628	0.006500799	0.168079126	0.011519818	-14.59043265
CFDP2	2.57958E-27	46.38844116	45.40987594	32.17225218	37.08291402	30.56097579	0.733220801	0.680498891	0.58625079	1.069201093	0.654346452	38.32289182	0.744703605	-51.46059659
CHRDL1	1.9072E-06	5.677273789	6.994231041	8.579067039	10.47593541	10.73769244	0.600222917	3.29016019	2.667743828	4.446886596	2.8598555	8.492839944	2.772973806	-3.062719138
CLDN10	0.000194887	5.456833361	2.306186879	6.433993314	8.608669288	7.540296176	0	0.047425341	0.173041415	0.346133181	0.074201044	6.069195804	0.128160196	-47.35632422
CLEC17A	0.000155935	0.006844344	0.007729358	0	0.008198798	0	0.214912178	0.24724607	0.176888181	0.566124533	0.216174087	0.0045545	0.28426901	62.41497722
CMTM6	5.49064E-12	13.33828466	13.52641398	18.21536117	17.59992561	20.29019457	1.403603834	1.403953632	1.487758371	2.02905658	0.543714546	16.594036	1.373617392	-12.08053719
CNDP1	0.001904327	0.274790598	0.143225828	0.092327985	0.037981149	0.114721743	1.908207282	6.804869237	2.44466036	3.469464092	1.238613556	0.132609461	3.173162905	23.92863142
CNTD2	0.0001454	0	0.015313616	0.029614951	0	0	0.070964984	0.04322212	0.087613929	0.455658717	0.890392436	0.008985713	0.309570437	34.45140335
COL13A1	7.79226E-06	2.063025973	1.319458817	1.26855796	1.567547147	1.159533808	8.944665718	4.738504726	13.33806055	17.63710366	29.7772838	1.475624741	14.88712369	10.08869212
COX10	0.011263558	3.760134128	4.581578919	4.336504714	5.104806959	6.175964653	0.759502303	2.368993237	1.75603303	1.534621033	1.261085444	4.791797875	1.536047009	-3.1195646
COX19	0.01878886	6.79607683	6.097903148	8.249415338	11.51048909	13.71246997	2.76011842	4.824447149	4.011307331	1.583982829	1.528022553	9.273270875	2.941575656	-3.152484232
COX7ALP1	4.29509E-12	0.255522183	0.288562694	0.186016813	0.051014741	0.115567198	61.28976919	18.37054463	9.135291836	66.04786213	43.46742578	0.179336726	39.66217871	221.1603815
COX7B	5.97145E-12	33.35663948	31.33239025	22.91052739	23.37588911	120.2046198	0.078315938	0.158997707	0.077351581	0.077362835	0.074629695	46.2360132	0.093331551	-495.3953148
COXP1	2.06449E-08	0.585160964	0.03146789	0.060855649	0.100137243	0	53.2263701	28.59906387	18.86793267	10.5157212	24.82784542	0.155524349	27.20738665	174.9397235
CPLANE2	3.98924E-07	5.446291166	5.09840337	6.883922916	10.26055154	4.532956665	0.558446037	0.811075936	0.519748192	0.212172984	0.429822032	6.444425131	0.506253036	-12.72965231
CPNE7	2.0008E-05	3.725965561	2.236554286	9.310316062	16.82788922	4.23570822	0	0.017832183	0.043376333	0.21691322	0.069749976	7.26728667	0.069574342	-104.4535446
CPS1	2.64164E-09	0	0.027278917	0.164858149	0.028935692	0.016387503	3.302552901	7.314405783	4.143688112	5.713033888	1.38030941	0.047492052	4.370798019	92.03219947
CPT1B	4.33965E-05	0.523813052	0.529925854	1.978144516	1.470638479	2.383900824	15.04851449	9.437959782	26.84967301	17.37584547	14.60323754	1.377284545	16.66304606	12.09847749
CROCC2	0.043009205	0.133579739	0.029197235	0.465831597	0.320028689	0.081852917	0	0	0	0	0.003581518	0.206098035	0.000716304	-287.7244462
CSF2RA	3.20403E-05	4.507037283	4.773029537	5.033915045	2.60986689	1.674731825	0.342546935	0.228502306	0.08458223	0.410887746	0.093263896	3.719716116	0.231956623	-16.03625745
CSNK1B	2.7876E-05	2.24149287	2.03095161	3.03315461	3.024049452	3.768833293	0.019485825	0	0.057737649	0.057746049	0.024758199	2.819696367	0.031945545	-88.26571624
CTSZ	0.000157131	9.881877697	8.774734399	22.04575503	20.06318834	9.227068179	1.459700534	1.947440801	1.201438536	0.617972571	1.898817307	13.99852473	1.42507395	-9.823016363
CXHXorf57	0.000304506	0	0.011254634	0	0.035814541	0	0.339008897	0.910619398	1.854467718	1.622895334	1.209374641	0.009413835	1.187273198	126.1200353
CYB5A	0.029280797	23.66123277	20.63504286	22.79788486	19.18432952	43.67748335	7.704167662	3.317802515	4.773106979	8.625129131	6.555477163	25.99119467	6.19513669	-4.19541908
CYB5D2	0.008661888	13.68941987	13.80094101	16.59913671	18.84687981	19.06418191	1.985585911	1.703487655	5.96248617	1.866513875	2.512662767	16.40011186	2.806147276	-5.844351793
CYS1	0.011851202	18.5065958	17.38909231	18.22040348	19.64994681	28.49085403	1.355675898	0.777121451	0.630109428	1.378564911	7.890513417	20.45137849	2.406397021	-8.498754905
DDC	3.17585E-05	1.662422433	0.854124864	7.931859281	4.978513898	2.540128309	0.078378391	0.0318249	0	0	0.012448201	3.593409757	0.024530299	-146.4886273
DDX31	0	30.77561148	31.56741659	40.33333287	45.61971494	32.42592549	2.490425092	1.717682972	2.779864381	3.471123501	6.057629248	36.14440027	3.303345039	-10.94175748
DDX43	6.85116E-05	0.035932807	0.175842892	0	0.057391583	0.032503274	1.880481555	1.921611003	0.619108633	1.609916639	1.234467813	0.060334111	1.453117129	24.08450373
DEPTOR	5.02226E-07	2.76531007	4.075849232	5.220600093	7.368261658	3.666298122	0.769365969	0.737251522	0.870076615	0.97280358	0.361688705	4.619263835	0.742237278	-6.223432816
DHRS7	4.16494E-11	3.771140938	2.991279976	4.608251586	3.585259066	6.213279333	63.20096223	86.78094865	59.36733815	66.5320377	39.40447912	4.23384218	63.05715317	14.8936003
DLL3	3.47844E-05	0.26729343	0.055605058	0.553034257	0.497135782	0.381761306	8.429816141	5.007236786	5.471900066	1.090902891	9.822050536	0.350965967	5.964381284	16.99418705
DMP1	0.000583844	14.85301464	14.99510679	19.62489616	17.44462562	6.251231545	1.680663642	1.115493616	1.197092655	0.510833843	2.741125885	14.63377495	1.449041928	-10.09893135
DNAH2	0.000393807	0.005400296	0.021345052	0.173962025	0.12291065	0	0.869041753	1.982368007	6.908595456	1.814642578	0.5767783	0.064723605	2.430285219	37.5486692
DNASE1L2	0.029105458	0.152520993	0.109609085	1.029581433	0.240837032	0.301012237	2.68482879	3.02001736	8.188231601	7.132145112	3.14621054	0.366712156	4.834286681	13.18278274
DNPH1	9.00209E-11	9.762178829	9.162734703	10.09533417	11.2293893	27.19310097	0	0	0	0	0	13.4885476	0	#DIV/0!
DUSP18	0.014121297	2.186940021	2.758661228	7.303980652	6.25376518	2.992114604	0.28692135	0.207114756	0.267644498	0.598351213	0.66835092	4.299092337	0.405676547	-10.59734008
DUSP27	0.047935253	0.043174438	0.016252382	0.015715214	0	0.019526871	0	0.183487009	0.120880368	0.31619465	0.10167462	0.018933781	0.144447329	7.62908002
DUSP28	0.009399997	7.751317678	8.31139237	12.98149734	16.40555513	13.77325605	0.394091831	0.117346343	0.064873185	0.882403675	2.370089637	11.84460371	0.765760934	-15.46775656
DZANK1	1.40998E-08	207.7993206	241.8876784	160.0978746	180.1173525	385.7544177	9.090601431	18.17563169	25.26174886	20.4790711	21.67108756	235.1313287	18.93562813	-12.41740317
ECHDC3	9.48089E-06	3.096363222	2.193346606	4.313981888	3.981661182	4.552062114	0.086596038	0.09229922	0.245897949	0.556024073	0.735803864	3.627483002	0.343324229	-10.56576466
ECT2	0.000150598	0.408378652	0.584166904	0.416212058	0.347871476	0.283208043	2.89706531	6.286613384	22.08197005	8.491594432	3.514994339	0.407967427	8.654447504	21.21357475
EEF1A1	1.59188E-06	90.40965359	76.71199648	94.17239486	89.81344225	194.0401183	16.62466866	9.585604653	20.21920316	16.98379444	13.96586394	109.0295211	15.47582697	-7.045149917
EEF1AKMT1	0.001107355	9.205946068	7.89612463	8.372707833	7.566591957	18.60066177	2.291060667	2.657903732	2.27901248	1.810542794	3.04611593	10.32840645	2.41692712	-4.273362802
EFCAB9	0.023820999	0	0.038667927	0.037389888	0	0	0.44797859	0.254657221	0.486708556	3.274697558	2.106004194	0.015211563	1.314009224	86.38226185
EFHB	1.88593E-05	0.434711157	0.836101275	0.66754135	1.082158259	0.847882887	0	0.101033986	0.035108945	0	0.067747029	0.773678985	0.040777992	-18.97295442
EIF2AK2	0.015003457	8.086480005	9.391218117	5.424012968	4.846519302	3.902114645	0.742442107	1.012318518	1.421334393	1.720336463	0.652177561	6.330069008	1.109721808	-5.704194475
EIF3L	0.006044124	26.1844143	24.92895055	26.3542424	26.3731694	29.58245256	105.8626479	65.59185967	166.8576237	140.8890079	204.0207795	26.68464584	136.6443837	5.120711908
ELOVL3	0.034696007	1.176869794	1.550553589	1.035234564	1.683886036	4.435607867	0.171081815	0.069466361	0.084487584	0.253499628	0.027171531	1.97643037	0.121141384	-16.31507178

EMC10	0.010679534	64.25613859	69.07455483	98.2608985	118.821751	219.2737797	11.26000709	9.802748939	8.906508822	23.18857078	40.2830083	113.9374245	18.68816879	-6.096767736
EME2	6.20404E-09	1.492227926	1.306265115	1.687335165	1.776953506	2.240357342	0.115522453	0.037525552	0.045639978	0.022823309	0.080728957	1.700627811	0.06044805	-28.13370852
EPB41L5	0.000209435	7.806383226	6.158325537	6.990843085	8.600082463	6.570595669	0.99552416	0.52399457	0.831527074	2.440310344	0.897914282	7.225245996	1.137854086	-6.34988799
ERBB3	9.39438E-05	4.414753427	8.395370882	19.39672832	33.39369057	11.93320809	2.301324821	1.191955158	0.993313232	2.613420385	0.828851926	15.50675026	1.585773104	-9.778668975
F5	5.74552E-12	1.113379526	0.811704382	1.003410371	1.14125097	0.986718045	4.926863555	26.94702116	42.64477504	50.92763003	18.1613486	1.011292659	28.72152768	28.40080705
FAM107A	0.011457782	31.69076829	25.90911854	77.67461615	92.32799291	70.15180752	18.02303618	6.120718815	11.08908034	9.601627695	12.52257349	59.55086068	11.4714073	-5.19124281
FAM167A	0.026057653	1.492882348	2.403030711	5.547266291	13.26879012	6.208023536	1.012355378	0.321698003	0.293445848	1.02177492	0.699061559	5.783998602	0.669667142	-8.637124688
FAM174B	0.027213808	6.282619784	5.476310701	11.17573625	12.33992724	16.14017095	2.804179817	1.5655944	2.977373788	2.493047692	4.075090103	10.28295298	2.78305716	-3.694840743
FAM217A	0.000370203	0.340567534	0.112176431	0.123964359	0.067993957	0.231047077	2.562058436	3.935058105	3.410687471	9.573321974	2.606588483	0.175149872	4.417542894	25.22150232
FAM228A	0.000443586	0.349141078	0.920003136	0.317712683	0.331101868	0.157909014	1.141981053	2.256634385	2.368630025	14.36425891	4.618928767	0.415173556	4.950086628	11.92293333
FAM43B	0.003544456	2.647858273	3.839256902	6.102939088	8.728259941	15.41015267	0.049489679	0.120569258	0.01222007	0.391099123	0.841024558	7.345693375	0.282880538	-25.9674753
FAM71F2	3.35636E-07	0.450059959	0.700568173	0.557869725	0.407985763	0.693178641	0	0.258474252	0.440112459	0	0.20220265	0.561932452	0.180157872	-3.119111285
FANCI	2.6588E-11	0.788615598	0.725829384	1.085052515	0.699061536	0.620612596	26.22761806	31.36200567	75.56374901	9.152544708	3.906607845	0.783834326	29.24250506	37.30699728
FBXO15	7.77897E-09	1.985356565	2.041291952	1.359026278	2.903590332	3.65070543	0.093044969	0.163713954	0.122532324	0.030637538	0.029555149	2.387994111	0.087896787	-27.16816164
FBXO39	7.82637E-12	0	0.036993066	0	0.026159884	0	3.885745452	5.98626368	10.24380024	8.128495033	9.710899839	0.01263059	7.59104085	601.0044468
FCGR1A	2.44274E-06	2.405109254	2.255998893	1.176826454	0.66122815	3.459494777	0	0	0	0	0	1.991731506	0	#DIV/0!
FEM1A	0.015402895	13.50629483	11.5698173	18.99685023	22.57286915	18.92340278	1.097560051	2.428820924	3.048876687	3.198398148	6.475858816	17.11384686	3.249902925	-5.265956323
FIBCD1	0.043313376	4.523685546	3.484922972	2.87651592	9.813486602	2.582408132	0.360883064	0.937815006	0.071287853	0.178245561	0.492918611	4.656203834	0.408230019	-11.405834
FMO5	0.02948694	3.579326329	2.942645716	3.050829474	2.726969775	2.871814485	0.221532312	0.599675801	0.948152546	0.170205986	0.258017266	3.034317156	0.439516782	-6.903757215
FOXK1	0.000130327	3.801471651	3.635619298	6.627889562	7.292847684	3.004643921	0.632124001	0.306576553	0.264477457	0.563722486	1.307925131	4.872494423	0.614965125	-7.923204459
FRRS1	0.010869262	0.281045723	0.14282396	0.030689643	0.067332587	0.038133284	3.346079961	4.299897593	3.795161401	2.106711831	0.478871552	0.112005039	2.805344468	25.0465915
FTL	2.21904E-07	32.46523995	32.2219093	43.86508983	72.90055496	438.2674858	3.150208417	0.213186028	0.259284812	0.7261031	0	123.944056	0.869756471	-142.5043217
FUOM	0.00875672	3.971400371	3.761550535	6.602962443	6.476088179	15.64414084	0	0	0	0.662280746	0	7.291228474	0.132456149	-55.04635701
GC	0.004263262	0	0.018483101	0.089361018	0	0	0	0	0	9.94171415	0.190449346	0.021568824	2.026432699	93.95193356
GCK	1.75218E-06	0.156280843	0.099754578	0.163235811	0.333718352	0.534728255	2.453606613	2.237990522	14.15402395	10.36239342	35.8511444	0.257543568	13.01183178	50.52283729
GCNA	0.0092659	3.2224037	4.085592124	4.389507281	5.067858039	11.3911546	0.344864921	0.490103459	1.124040601	0.851669801	0.273860432	5.631303149	0.616907843	-9.128272908
GDF11	0.034177296	12.60907169	29.68881867	71.20467272	68.62816576	45.74255879	7.640646845	11.12036867	11.49135629	10.83138262	7.675004261	45.57465753	9.751751738	-4.673484185
GDPD2	0.021076272	4.159523861	3.251452271	1.31844591	1.199972659	8.875242408	0.277743561	0.296035646	0.051435659	0.514431424	0.066167621	3.760927422	0.241162782	-15.59497443
GFOD1	0.014048201	21.03890263	21.97044838	15.60360214	22.48530555	18.16157814	6.137578653	7.182131909	2.488999271	3.568260097	2.643418221	19.85196737	4.40407763	-4.507633388
GGCT	8.10412E-06	1.257232494	1.332158024	2.406765474	0.669347126	2.063877343	18.4388728	22.2629641	12.71618433	19.89951126	13.31369093	1.545876092	17.32624468	11.20804233
GLB1L3	0.042608927	0.06830653	0.134993186	0.305816513	0.355934271	0.157557244	0	0	0	0.017656002	0.034064473	0.204521549	0.010344095	-19.77181652
GNA13	1.3885E-06	12.72253193	12.72362207	21.15064475	23.45221763	15.59440536	1.508311502	2.093536207	1.9761839	4.941178536	2.449305464	17.12868435	2.593703122	-6.603949466
GNAL	0.000313172	6.83941173	5.389087535	3.413226306	9.583362725	3.942566446	0.258074032	1.11237378	0.166662894	1.21583562	1.229633891	5.833530948	0.796516043	-7.323808474
GNB1L	1.63799E-10	2.658351967	3.161401554	8.030812511	8.655773489	9.604345974	0.196868308	0.233148866	0.137731261	0.226884494	1.02138833	6.422137099	0.363204252	-17.68188854
GNG13	0.006008415	0.471665948	0.290539151	1.030099957	0.385231175	2.210816332	39.15752215	8.245918768	49.48006662	5.209185839	9.907745204	0.877670513	22.40008772	25.52220611
GNRH2	0.000909544	1.429915467	2.190462425	2.457821732	1.879417572	2.317413584	0.06928904	0.225073949	0.085544795	0	0.022009227	2.055006156	0.080383402	-25.56505571
GPC5	0.005852998	11.59043412	11.23545016	6.791307218	8.946566169	7.906462947	1.479427813	3.071369404	0.271031	2.522133585	0.66699875	9.294044122	1.60219211	-5.800830039
GPR139	8.29862E-05	0	0	0.154926185	0.127464593	0	0.464053364	0.075370018	0	0	0	0.056478155	0.107884676	1.910201839
GRK4	5.72537E-06	3.643941708	2.656704553	3.703491846	3.372863809	3.105521629	0.641221964	0.333264505	0.183664586	0.760101962	0.407360245	3.296504709	0.465122653	-7.087388004
GSTA3	1.09024E-07	0.055688304	0	0	0.033354337	0	0.58287029	0	0	0.575776767	0.555435242	0.017808528	0.34281646	19.25012862
GSTM1_1	8.1546E-06	45.0675291	31.84191962	40.58533096	60.47312398	157.9427828	2.498079382	1.888742265	3.403198378	7.488125719	7.360389129	67.1821373	4.527706975	-14.83800468
GSTM2	2.89462E-05	17.90946023	12.08973484	10.72135223	17.9772176	13.97448363	1.650833552	0.561382415	0.998684748	2.262655819	1.920530367	14.5344497	1.47881738	-9.828427703
GSTP1_1	1.01424E-11	0.135357697	0.038215059	0.036951989	0.020268019	0	13.45905261	7.694056622	6.428020882	21.77972881	70.48427346	0.046158553	23.96902648	519.2759532
GUCD1	0.046718211	2.557955919	2.837812103	2.72350937	2.749194578	4.17914102	0.452117912	0.774223436	0.650410766	0.601960215	0.92411464	3.009522598	0.680565394	-4.422091727
GUCY1A1	0.004669183	10.76148257	16.08128696	9.754524029	11.04556116	10.03674997	3.117732041	2.303288225	2.801345189	2.600710955	3.369866004	11.53592094	2.838588483	-4.063963835
HAPLN4	0.005002894	47.85076445	59.20006194	40.10487259	56.45467926	136.9841927	5.148973942	22.75081074	6.614995629	4.260489293	3.838387151	68.11891418	8.522731351	-7.992615439
HBB	1.49256E-11	2.473579378	0.551788176	0.533550665	0.073162604	2.154623568	84.70218923	125.1112886	210.1739922	60.3065309	533.7873788	1.157340878	202.816276	175.2433356
HBG	0.000110867	1.991011062	0.067118222	0	0.213583867	0.322564142	25.97127521	31.44682819	55.14298719	17.51313408	120.2368625	0.518855458	50.06221744	96.48586448
HEPHL1	4.25415E-05	0	0	0.010162712	0	0	0.6818687	0.781160936	1.407076232	0.336785184	0.471859624	0.002032542	0.735750135	361.9851197
HFM1	0.010687444	0.100129868	0.422810568	0.019015627	0	0.070883358	0.683494455	1.165614625	3.634170549	20.00772547	7.577059202	0.122567884	6.61361286	53.9587748
HJV	0.00027923	0.084713038	0	0.074003983	0	0.091953332	1.950656795	2.214134514	2.276934666	1.357600847	1.422295449	0.050134071	1.844324454	36.78784577
HKDC1	4.10636E-09	0.14901237	0.300500964	0.371928205	0.184876032	0.11553445	3.620641921	7.373276508	14.19420136	5.172283134	7.935511481	0.224370404	7.659182881	34.1363332
HMGB1P1	9.44277E-08	1.187297041	0.661704109	2.559334779	1.329901516	3.263777079	38.33012211	38.59780304	30.80456842	20.08766014	36.34654063	1.800402905	32.83333887	18.23666179
HMMR	0.004981045	2.682982923	3.241297239	3.066032943	3.886611406	2.793769826	0.054422205	0.232025724	0.134380168	0.026879944	0.509962697	3.134138867	0.191534148	-16.36334253

HNF1B	2.12122E-05	0.007237334	0	0.015806053	0.034678228	0	2.0831436	1.476381023	1.365426794	0.411558355	0.08421604	0.011544323	1.084145163	93.91154131
HOXD3	1.16672E-08	0.367718472	1.21247599	3.113184945	4.513639239	2.722575466	0.023757917	0.024116766	0	0.011734392	0.049052594	2.385918822	0.021732334	-109.7865906
HSD11B1	0.000890748	0.420226241	0.559742093	0.65890293	0.645367201	1.66667393	1.071396184	10.50944742	0.306322023	9.135294666	5.391421027	0.790182479	5.282776265	6.685514301
HSD17B11	2.10957E-07	6.154434297	7.655156043	7.151017787	6.217968107	7.429319883	0	0.046540437	0.169812654	0.226449813	0.054612401	6.921579223	0.099483061	-69.57545497
HSD17B6	6.98299E-05	0.939646361	0.013604463	0.078928879	0.072153626	0.065381827	29.50486415	29.97611618	11.20828869	11.39675137	2.683445769	0.233943031	16.95389323	72.47017852
IFITM1	1.19323E-10	6.078175859	4.087621727	9.471130612	8.303622964	20.75670928	0	0	0	0	0	9.739452089	0	#DIV/0!
IFRD2	0.001266423	3.290856115	2.497569244	5.197124015	7.502699224	4.105057928	4.629604456	3.158085408	2.011942668	2.561026854	6.279311394	4.518661305	3.727994156	-1.21208916
IGSF22	0.007899325	0	0	0	0.034018398	0.025688072	0	0.251439167	0.012232388	0.391493376	0.204567117	0.011941294	0.17194641	14.39931132
IL17D	0.021307448	3.326996923	3.121304059	1.747146768	1.398382124	6.317067846	0	0.021887619	0	0.053248825	0.930324413	3.182179544	0.201092171	-15.82448249
IL32	1.07563E-06	3.156274847	0.837987991	1.369506089	1.076675045	0.822475736	0	0	0	0	0	1.452583941	0	#DIV/0!
IL3RA	0.000504666	0.450515873	0.572366483	0.553448825	1.450363609	1.579129601	0	0	0	0	0	0.921164879	0	#DIV/0!
INSL6	0.013931236	1.765304691	2.491961125	1.445758615	1.468505264	5.322729441	0	0	0	0	0	2.498851827	0	#DIV/0!
IQCE	0.001488442	11.71157512	8.599024244	10.28261327	17.59787857	9.76148627	1.780750093	3.49724408	4.415003419	3.410458106	3.422723775	11.5905155	3.305235895	-3.506713549
IRGQ	0.00190293	20.23285283	18.50640761	20.39486345	20.89367491	18.54785816	4.047279485	5.111967791	4.929652494	4.598517901	6.239952725	19.71513139	4.985474079	-3.954514872
ITM2A	8.03482E-07	0	0	0	0	0	47.15558842	19.03581756	14.14848874	5.281065462	3.047986394	0	17.73378931	#DIV/0!
IZUMO1	1.51309E-07	0.016402516	0	0.035822452	0.029472708	0	12.66136169	4.060551492	6.019574318	0.720758111	0.408996802	0.016339535	4.774248482	292.1899819
JADE3	0.000435073	0.925975816	0.813798429	1.443331452	1.283654609	0.770049744	2.970089144	2.308817403	11.16473185	2.77952514	2.085477132	1.04736201	4.261728134	4.069011567
JAM3	0.007647591	10.69057099	15.18831863	28.3346946	41.88670785	25.92728914	5.974950274	7.243413877	2.894215811	3.840688946	2.73334696	24.40551624	4.537323174	-5.378835782
JCAD	0.015606335	10.09923036	8.379992688	5.429580796	7.672067808	6.907346171	2.550434362	1.563870059	0.561675412	0.697940677	0.574753987	7.697643565	1.1897349	-6.470049394
KBTBD11	0	24.97205399	29.20050218	26.53308693	39.75874349	27.25107344	2.14129703	1.809727453	2.167563775	4.06776438	3.945598813	29.54309201	2.82639029	-10.45258757
KCNU1	2.95713E-09	0.010229238	0.034655814	0	0	0	1.391856791	1.760665788	0.462645449	3.860346452	0.025506609	0.00897701	1.500204218	167.1162412
KCTD16	0.001407972	1.573597022	2.505671957	2.371305244	2.177177481	0.170808997	0.082351489	0.434695868	0.04066872	0	0.130792163	1.75971214	0.137701648	-12.77916543
KIF15	0.001045039	0.090342811	0.14911297	0.0379433	0.041623498	0.037717028	1.618408646	0.420865902	0.915982964	2.245382917	2.235369939	0.071347921	1.487202074	20.84436439
KIF17	0.000992991	1.678179515	1.954587896	1.171905925	2.772801199	1.955804877	0.247781099	0.480689707	0	0	0.069960984	1.906655882	0.159686358	-11.9400048
KIRREL2	0.017656588	0.459759984	0.156474137	0.357623874	0.316866206	0.205091084	0.758078323	3.640205055	4.704062969	3.744262607	3.235079666	0.299163057	3.216337724	10.75111932
KLHDC7A	4.86738E-05	0.230368388	0.125668753	0.618235194	0.601024705	0.095360958	0	0	0.005045542	0	0.006490663	0.3341316	0.002307241	-144.8186775
KLHL4	0.002014941	0.117957469	0.318545792	0.078404411	0.012287002	0.08350377	3.838058403	4.827807774	5.778978414	4.613250185	1.645406121	0.122139689	4.140700179	33.90134871
KRT12	0.017346606	0	0	0	0	0	0.360023819	0.31325294	0.279392614	2.387884246	0.16337043	0	0.70078481	#DIV/0!
LAG3	0.022257915	0.018058539	0.020393613	0.157756567	0.118977167	0.147014811	0.330771884	3.357679949	2.053535713	0.886883072	1.440927194	0.092440139	1.613959562	17.45951027
LAIR1	9.682E-10	2.301906654	1.84353345	4.757353227	3.910999563	3.088372553	0.107799838	0	0.013309053	0	0.077044366	3.180433089	0.039630651	-80.25184975
LAMP1	0.008950887	75.60014742	75.92515425	82.65397011	103.8025237	72.3560644	23.55230492	23.48929233	18.50086348	19.52231685	29.63546779	82.06757198	22.94004907	-3.577480227
LCN9	8.81129E-05	1.128601365	1.18478005	0.885252677	1.323382391	2.674429397	0	0	0	0	0.066060282	1.439289176	0.013212056	-108.9375594
LGALS4	0.00020874	5.840395754	5.823951765	12.76353232	20.89706868	13.88074799	1.897808485	0.567802788	1.006278033	1.381366873	2.588983007	11.8411393	1.488447837	-7.955360615
LOC100137843	4.46623E-16	0.011382352	0	0.024858611	0.027269698	0	3.931460104	13.10931279	7.29542605	8.179127072	9.157892833	0.012702132	8.334643769	656.1610098
LOC100137981	4.50729E-13	0.037979536	0.010722628	0	0	0	4.472085558	3.510650085	4.736024547	6.479235171	3.835430575	0.009740433	4.606685187	472.9446121
LOC100138077	1.51457E-15	0.064873508	0.018315508	0	0	0	22.2375334	7.064962892	11.40100845	9.809647503	14.07330446	0.016637803	12.91729134	776.3820304
LOC100138271	0.000583783	0	0.022641428	0	0	0.054406335	1.259074493	0.596442961	1.450832423	1.191928593	1.508096116	0.015409553	1.201274917	77.95650796
LOC100138454	0.001840701	0	0	0	0	0	0	0	0	0.341626873	0.043941012	0	0.077113577	#DIV/0!
LOC100138633	0.005645927	0.05401979	0.04066991	0.235954213	0.21569991	0.048863983	2.732798251	2.601891532	2.699147438	4.933642319	6.675052629	0.119041561	3.928506434	33.00113329
LOC100138924	0.003357515	0.003839449	0.01011713	0.006521828	0.001022056	0	0.127256284	0.12419258	0.099228387	0.262442134	0.079425995	0.004300093	0.138509076	32.21071898
LOC100138985	7.42297E-09	0	0	0.052084708	0	0	1.684911473	2.863271093	3.698142237	2.404142182	3.706766147	0.010416942	2.871446626	275.6516019
LOC100139044	0.009911202	0	0	0	0	0	5.116702156	4.496287146	3.959986224	0	0.145548201	0	2.743704745	#DIV/0!
LOC100139262	1.48693E-05	0	0	0	0	0	3.879730366	0.525110849	0.596082137	5.961688608	4.326994819	0	3.057921356	#DIV/0!
LOC100139345	1.30151E-12	4.069141372	4.411225165	4.110085085	2.882747439	2.195594396	0.015509942	0.012595368	0.015318958	0	0.014779907	3.533758691	0.011640835	-303.5657433
LOC100139419	2.79148E-42	0.469522012	0.113621561	0.463879429	0.642785733	0.182018337	815.2514367	298.3392284	637.0916755	259.0232033	398.1304709	0.374365414	481.567203	1286.356017
LOC100139951	1.21807E-09	0.014015582	0.015827879	0	0	0	2.713881042	3.752583202	2.789130596	3.695230018	2.912321754	0.005968692	3.172629322	531.5451287
LOC100140058	1.61895E-05	0	0	0	0	0	7.074606871	4.257582566	2.183591376	1.497537645	1.203859481	0	3.243435588	#DIV/0!
LOC100140372	1.11176E-09	0.018216179	0	0	0	0	3.813249373	3.561178523	2.589327282	3.86101324	4.451360924	0.003643236	3.655225868	1003.291054
LOC100140567	5.44681E-11	0.12625802	0	0.034467821	0	0	11.39793055	8.08229438	7.178746696	8.077265022	7.345903342	0.032145168	8.416427999	261.8256011
LOC100140586	0.011282704	2.845209798	2.233676575	3.134167009	3.752074858	2.878429517	0	0.026517226	0.096753721	0.516094923	0.124465472	2.968711551	0.152766268	-19.4330305
LOC100141107	8.36994E-09	0	0	0	0	0	27.29250413	10.19806419	3.142160887	7.443042726	5.85044261	0	10.78524291	#DIV/0!
LOC100141197	2.25207E-10	0	0	0	0.002962146	0	0.401169398	0.651566115	0.760505057	0.72865706	0.411061082	0.000592429	0.590591742	996.8983567
LOC100141258	2.90001E-09	3.070869138	0.960054081	1.761918608	2.275728702	1.977400134	0	0	0	0	0.014420365	2.009194133	0.002884073	-696.6516445
LOC100141266	2.5791E-11	2.162080203	4.065016969	0.918855921	1.217972966	4.662025362	150.4572473	173.5408031	93.90479485	37.03571191	63.70296982	2.605190284	103.7283054	39.81601883

LOC100294910	1.55469E-09	0	0	0	0	0	11.92033098	9.132362593	7.108557161	7.998290307	7.787161838	0	8.789340575	#DIV/0!
LOC100295066	3.5278E-13	0	0	0	0	0	29.32076338	9.641741221	14.68380006	13.87005105	19.15181943	0	17.33363503	#DIV/0!
LOC100295495	0.009460501	0.063880546	0	0.13951261	0	0	60.84402542	0.678714703	2.476434534	4.95358966	4.247631184	0.040678631	14.6400791	359.8960603
LOC100295971	2.31169E-17	0.051313881	0	0	0.061468581	0	57.199522	40.45362159	68.2981699	32.09817824	19.61918174	0.022556492	43.5337347	1929.986893
LOC100296105	2.03188E-07	0.182338645	11.11946925	33.25140841	19.5487991	18.18416203	0	0	0	0	0	16.45723549	0	#DIV/0!
LOC100296458	7.88774E-08	0.001095734	0	0.00478608	0	0	0.917493607	0.246808226	0.263363178	0.096297321	0.617480177	0.001176363	0.428288502	364.0785716
LOC100297240	1.21908E-05	2.409065819	1.739685562	4.044404829	5.516402862	25.74940036	298.2043364	333.1273901	128.6725995	118.1011851	139.9455482	7.891791887	203.6102119	25.80025105
LOC100297470	0.001031056	0.004574313	0.003756944	0.005903253	0.004483261	0	0.06746411	0.081737911	0.101562165	0.073092402	0.076040339	0.003743554	0.079979385	21.36456013
LOC100297586	8.98136E-15	0.419216082	0.094684634	0	0.100435271	0	142.6031846	90.86293086	40.62900407	44.64422681	19.51255575	0.122867197	67.65038041	550.5975712
LOC100297725	2.95598E-09	0.042204226	0.047661479	0.184344752	0.101112362	0.057264196	14.13558689	6.591616187	11.39827688	6.872688216	4.94610402	0.086517403	8.788854439	101.5848157
LOC100297915	2.32137E-12	0.003515044	0.00793912	0.015353437	0	0	1.526816342	4.339658367	1.853224001	1.253833924	1.472480344	0.00536152	2.089202596	389.6660892
LOC100298078	2.07475E-05	0	0	0	0	0	3.138138653	2.395524844	2.076662727	0.185996853	1.2759168	0	1.814447975	#DIV/0!
LOC100298410	0.021977645	0.212042199	0.068417284	0	0	0.164403659	175.8060184	75.76163819	57.69772924	0	0	0.088972628	61.85307716	695.1921986
LOC100299139	1.06293E-07	3.123128478	3.622076463	1.9772628	1.984084511	0.342814805	48.51886021	77.02803166	23.76118576	26.34065748	38.1851091	2.209873411	42.76676884	19.35258763
LOC100299281	8.731E-18	11.20644272	16.00693037	10.41349794	16.99397982	26.19860628	0	0	0.064182634	0	0.041282763	16.16389142	0.021093079	-766.3125522
LOC100299705	1.82883E-08	0.01205448	0	0	0.028879975	0	1.103988315	2.35659503	1.729053585	2.118788286	1.172256238	0.008186891	1.696136291	207.1770918
LOC100299712	1.06119E-16	2.260123632	2.983493432	2.706655605	1.607201033	1.824204987	0.072386583	0.01175679	0.007149524	0.157312407	0.013795886	2.276335738	0.052480238	-43.37510321
LOC100299770	0.000431221	3.693658216	3.256328065	2.507814989	2.177917012	1.713841136	11.284252	21.87914307	18.35017801	21.30447379	14.53897497	2.669911884	17.47140437	6.543813102
LOC100299845	1.5498E-06	0.05685433	0.107009879	0.165556841	0.136210902	0.668563822	11.10806084	4.590878301	8.473354407	27.92205029	27.34514372	0.226839155	15.88789751	70.04036639
LOC100299869	2.28018E-14	0.080691216	0	0	0.048329754	0	25.86486911	7.158654025	12.66891772	20.54436133	11.43507027	0.025804194	15.53437449	602.0096764
LOC100300045	4.99516E-24	0.019842452	0	0	0	0	22.89717255	13.23956186	9.589675492	8.821733472	12.8805545	0.00396849	13.48573958	3398.20397
LOC100300115	8.28491E-14	0.112911105	0	0.205494526	0.045085172	0	12.6058841	13.51607965	10.45660834	17.31671704	22.49222859	0.072698161	15.27750355	210.1497952
LOC100300220	4.65743E-31	0.008895621	0.002511469	0.014570766	0.007992007	0	10.95175831	7.433505245	4.919908589	2.828209343	9.445509522	0.006793973	7.115778202	1047.366298
LOC100300697	0.000323388	0.269110352	0.297407189	0.047143834	0.085332078	0.179640334	0.007531244	0	0	0.003719795	0.002392252	0.175726757	0.002728658	-64.40042808
LOC100300748	1.5781E-07	0.22256285	0.019333964	0.037389888	0.04101641	0	5.28614736	6.439189738	7.03515094	10.17811403	6.318012583	0.064060622	7.05132293	110.0726576
LOC100300760	0.000419882	0.28833334	0.260493221	0.831215514	1.179861554	0.319236288	0	0	0	0	0	0.575827983	0	#DIV/0!
LOC100300938	0.028058952	1.247238452	1.204381254	1.829105655	2.461228014	3.48269927	0	0	0	0.186891929	0.120192836	2.044930529	0.061416953	-33.29586417
LOC100335190	0.001508808	2.490704132	2.266057502	1.271091987	0.930816428	5.562381166	0	0.001638075	0.003984576	0.167376555	0.073042937	2.504210243	0.049208429	-50.8898639
LOC100335553	5.22088E-11	3.382388704	2.49615383	1.237573067	1.353391624	3.428876171	0.073678038	0.02991636	0.036385395	0.018195344	0.035105048	2.379676679	0.038656037	-61.56028555
LOC100335608	4.67265E-08	3.411885798	3.853062563	0.98223329	1.653408387	7.23864832	0	0	0	0	0	3.427847672	0	#DIV/0!
LOC100335819	5.61462E-07	0.556012908	0.976746751	11.46848726	24.99516724	6.999323556	0	0	0	0	0	8.999147543	0	#DIV/0!
LOC100336258	0.049091001	0.228442387	0.189369268	0.137996169	0.147013947	0.135194779	0.99838127	1.172258329	1.237320008	1.432233532	0.82413279	0.16760331	1.132865186	6.75920533
LOC100336369	6.97762E-06	0.037536736	0	0.218610033	0.059953366	0.03395412	3.012111339	5.025111417	4.785903595	5.627489066	2.059153119	0.070010851	4.101953707	58.59025628
LOC100336476	1.88404E-31	17.71463526	15.50987117	16.07168594	15.38076139	15.70578942	0	0	0	0	0	16.07654864	0	#DIV/0!
LOC100336734	0.007043038	0.458780717	0.361850234	0.795205649	0.558293928	0.108688732	0	0.030948759	0.018820518	0	0	0.456563852	0.009953855	-45.86804124
LOC100336757	6.16816E-07	0.209674901	0.232067083	0.51421116	0.257009391	0.224949037	0	0	0.003600617	0.003601141	0.011579722	0.287582315	0.003756296	-76.56007783
LOC100336777	0.001816882	6.011847475	4.661803943	2.772607782	3.041528652	7.779239877	0.428637168	0.261066885	0.169343626	0.21171033	0.17700007	4.853405546	0.249551616	-19.44850379
LOC100337103	4.17743E-10	0.115284422	0.011835579	0	0.037663227	0	4.16840078	5.834825462	5.579716559	7.639364054	6.411268319	0.032956646	5.926715035	179.8336851
LOC100337293	0.002424318	2.94402991	2.736786184	1.409860489	1.337689227	2.097941083	0.149847752	0.066375758	0.195094302	0.013456737	0.043271087	2.105261379	0.093609127	-22.48991571
LOC100337323	0.008530005	1.76665301	1.220075226	1.127811057	1.896496979	1.216967753	0	0.014438649	0	0.070253515	0.135543079	1.445600805	0.044047048	-32.81947045
LOC100337328	5.81196E-07	0.632095525	0.569282187	0.533906107	0.547904247	0.446109542	0.012698515	0.009023223	0.014109918	0.062719869	0.030252024	0.545859522	0.02576071	-21.18961506
LOC100337355	1.03785E-07	0	0.033062133	0.063938749	0	0	4.060159499	4.074827446	1.815923312	2.875630225	6.278084968	0.019400176	3.82092509	196.953112
LOC100847180	1.3792E-13	5.047773486	4.986059604	5.747136308	4.531075568	4.601764182	0.091963979	0.18670608	0.283848637	0.068133584	0.051120614	4.98276183	0.136354579	-36.54268069
LOC100847257	1.05742E-11	2.995767927	4.139514202	2.834083958	3.061003091	4.859937227	0.180971368	0.058012052	0.032926332	0.103497813	0.018152974	3.578061281	0.078712108	-45.45757167
LOC100847284	0.003018556	4.047886103	3.997575333	5.028662641	4.760596776	11.27370119	0.257294509	0.104472316	0.910619121	0.593047558	0.35415459	5.82168441	0.443917619	-13.1143351
LOC100847335	4.89958E-16	8.170685539	13.16150108	9.1959166	1.250973123	6.189271214	0	0	0	0	0	7.593669512	0	#DIV/0!
LOC100847357	4.44533E-13	0.604564395	0.538283494	0.562396378	0.386295872	1.05779624	0.019377906	0.02718119	0.013919486	0.026102833	0.02182323	0.629867276	0.021680929	-29.0516737
LOC100847495	0.001542609	0.748819671	1.513979897	1.081469455	1.403381069	5.735626057	0	0	0	0	0.080308911	2.09665523	0.016061782	-130.5368981
LOC100847561	0.00388246	0.356368119	0.545048495	0.330928164	0.127731215	1.142203819	0	0	0	0.014506254	0.023322941	0.500455962	0.007565839	-66.14678953
LOC100847643	0.0001873	0.010509726	0	0	0.037768608	0	0.440006727	6.431799813	8.501639943	1.792938888	0.262060066	0.009655667	3.485689087	360.9993156
LOC100847677	3.10224E-10	0	0	0	0.020268019	0	0	0	0	0	0	0.004053604	0	#DIV/0!
LOC100847686	2.32381E-06	12.44487867	9.546274849	5.553276756	4.962959899	15.30229223	1.338904261	0.665695155	0.209157857	0.269920371	0.707377612	9.561936481	0.638211051	-14.98240506
LOC100847759	1.60276E-17	36.84882078	32.15142378	25.71329378	31.69658713	105.0441906	0.74620989	0.476130878	0.77211755	0.105304075	0.620789915	46.29086321	0.544110462	-85.07622344
LOC100847802	2.72585E-09	1.44237162	1.741125144	2.084910787	1.902250208	2.452599083	0	0.02455903	0.041817455	0.059747912	0	1.924651368	0.025224879	-76.29972515

LOC100847861	5.92722E-06	0.829275225	0.764586499	1.531127088	1.372501106	2.163409075	0	0	0	0	0.006659575	1.332179799	0.001331915	-1000.198759
LOC100847890	3.95601E-22	3.669343198	3.338661893	1.284348731	2.433431529	5.477156085	0	0	0.007505507	0.022519798	0.0096552	3.240588287	0.007936101	-408.3350525
LOC100847934	2.14211E-06	1.149951639	1.062017263	1.182178975	0.714158939	0.920608086	0	0	0.045127748	0.025791037	0.004146645	1.00578298	0.015013086	-66.99375341
LOC100847972	1.00079E-14	2.30213266	2.558029171	0.996575357	1.679248707	3.525223261	0.021513955	0	0	0	0.010250659	2.212241831	0.006352923	-348.2242649
LOC100848077	3.08384E-08	0.019786705	0.040966275	0.230471402	0.031603162	0.044745509	0.017258385	0.007007625	0.008522935	0	0	0.073514611	0.006557789	-11.21027371
LOC100848208	6.28163E-07	2.853249147	2.049558155	2.011396227	1.849554139	3.724375206	0	0	0	0	0.075048291	2.497626575	0.015009658	-166.4012951
LOC100848212	6.73888E-19	8.134394086	8.747171539	7.677273109	7.119214881	11.98138076	0	0.005777132	0.007026363	0.070273854	0.103946446	8.731886874	0.037404759	-233.4432057
LOC100848238	0.026336441	0.057207156	0.048065655	0.192904562	0.096487563	0.032290214	0.280223233	0.242152148	1.021929794	1.40299198	1.264414754	0.08539103	0.842342382	9.864530059
LOC100848246	9.92574E-05	0.182076759	0.490442606	0.97202969	0.525076317	0.135419029	0.014116553	0.01146382	0	0.006972378	0.01569412	0.46100888	0.009649374	-47.77603872
LOC100848264	1.86143E-16	16.00848806	14.43959157	8.222563051	7.292212522	18.98753119	0	0	0.012636844	0.025277365	0.227587216	12.99007728	0.053100285	-244.6329111
LOC100848320	1.94107E-07	0.982201355	0.504184422	0.422517588	0.445671566	0.646150674	14.17444015	9.613439824	7.192256619	27.00373647	20.75566945	0.600145121	15.7479085	26.24016751
LOC100848324	1.36399E-18	6.992237636	8.584615061	4.988655765	7.456441877	12.04377959	0.024346421	0.07908531	0.144279763	0.072150377	0.077334875	8.013145986	0.079439349	-100.871244
LOC100848339	0.03637821	0.237198475	0.258009392	0.244714588	0.26496359	0.726606596	0.015231133	0.021645666	0.033848059	0.045137312	0.033866515	0.346298528	0.029945737	-11.56420113
LOC100848369	3.25994E-10	1.531091853	1.346763823	1.344259152	1.65897178	3.862576757	0	0	0	0	0	1.948732673	0	#DIV/0!
LOC100848504	1.92188E-06	1.379879075	1.886369816	2.44260361	2.488122654	0.039416191	32.07803874	66.05106613	35.43695462	27.707921	40.41951224	1.647278269	40.33869855	24.48809002
LOC100848538	0.000367387	0.264679385	0.454768095	0.406351566	0.261598845	0.794107908	0.013714396	0.009281029	0.00677276	0.058705797	0.005808389	0.43630116	0.018856474	-23.13800309
LOC100848598	0.00811552	0.358735919	0.405122569	0.875637573	0.707786537	0	0	0.089681853	0	0.327270867	0.17539376	0.46945652	0.118469296	-3.962685148
LOC100848658	7.46068E-07	0.410080981	0.334466056	0.126650618	0.265464553	0.578893785	0	0	0	0	0	0.343111199	0	#DIV/0!
LOC100848665	2.741E-17	9.83631725	12.3085483	7.436122488	10.31540077	36.6411206	0	0	0	0	0.014973664	15.30750188	0.002994733	-5111.475053
LOC100848699	0.00039565	2.804374694	3.648075585	1.374669707	1.291226472	4.608792751	0.447050942	0.355877387	0.427021556	0.261479806	0.168161352	2.745427841	0.331918209	-8.271398706
LOC100848703	0.003580384	5.806613298	4.293662868	2.019333762	1.984812975	10.33755188	0.309685711	0.235772496	0.611744679	0.191198025	0.405775086	4.888394956	0.3508352	-13.93359321
LOC100848883	2.28923E-08	10.79462857	8.645948613	4.076014117	13.12995877	21.2149214	0.289999123	0.113041684	0	0.126046729	0.007369312	11.57229429	0.107291369	-107.8585758
LOC100848895	7.26614E-07	3.595757021	3.160045092	9.754033785	4.181772747	4.266675896	0.047700317	0.251788167	0.341568888	0.471198046	0.242427288	4.991656908	0.270936541	-18.42371237
LOC100848906	4.76098E-18	28.80975225	39.84036094	12.55801937	16.88578729	38.2066406	0	0	0	0	0.196794799	27.26011209	0.03935896	-692.6024522
LOC100848958	1.92838E-12	0.849460151	1.225772619	0.963133844	0.341137043	0.366528564	0	0	0	0	0	0.749206444	0	#DIV/0!
LOC100848991	0.000202157	5.576270921	3.808616309	6.137892078	5.386574975	1.743225499	0.186767701	0.739395989	0.438111269	0.415113167	0.341122115	4.530515957	0.424102048	-10.68260806
LOC100849067	6.48857E-05	0.510829858	0.512785016	0.385650707	0.491046857	1.660046352	0	0	0	0	0	0.712071758	0	#DIV/0!
LOC100849069	0.000799194	0.378723566	0.58348075	0.201465476	0.365977862	0.275592733	0.004429016	0	0.00109362	0.024063131	0.023916433	0.361048077	0.01070044	-33.74142428
LOC100849587	1.01736E-22	1.035690991	0.906399736	1.463925592	1.528243022	1.162729809	0	0	0	0	0.005826274	1.21939783	0.001165255	-1046.464542
LOC100849762	0.012691099	0.528788599	1.212769142	0.195097882	0.257745507	0.964458865	0.027648106	0.100015998	0.047167769	0.067037634	0.009580633	0.631771999	0.050290028	-12.56257001
LOC100850276	3.15826E-05	4.407129326	3.33786618	0.422654596	0.242361834	2.936164651	0	0	0	0	0	2.269235317	0	#DIV/0!
LOC100851323	3.45681E-18	1.650762092	1.686088213	0.991364193	0.914438736	1.398453489	0.006301225	0.010234241	0.003111817	0	0.004003089	1.328221345	0.004730074	-280.8034833
LOC100851369	2.24243E-05	0.234879393	0.160433873	0.136515516	0.133873176	0.539721544	0	0	0	0	0	0.2410847	0	#DIV/0!
LOC101901896	1.96038E-15	0.704801254	0.397968086	0.316906128	0.546296925	0.7312878	27.01251562	15.24096566	34.87672635	71.69254863	54.686845	0.539452039	40.70192025	75.45048927
LOC101901945	0.027184145	0.297939641	0.364615433	0.425151056	0.308555027	0.467067658	0	0.032790388	0.030677611	0.02454566	0.04735698	0.372665763	0.027074128	-13.76464514
LOC101901950	0.004338183	0.195702124	0.110503776	1.189612736	0.261780574	0.123916617	0	0	0.008429683	0	0	0.376303165	0.001685937	-223.2012452
LOC101902002	1.22919E-14	0.589975302	0.05552188	0.10737358	0.058893981	0	177.790506	68.95172825	33.16347775	42.95358741	71.10334452	0.162352948	78.79252879	485.3162787
LOC101902029	0.000216161	5.356518724	5.62595647	3.514342299	5.888430332	18.42401572	0	0	0	0	0	7.761852709	0	#DIV/0!
LOC101902036	1.04783E-08	1.289404247	1.203084463	1.07746662	0.937101544	1.221456387	0.02057279	0	0	0.040644838	0.009802226	1.145702652	0.014203971	-80.66073024
LOC101902122	0.022075059	0.188825678	0.143545096	0.026572841	0.024746655	0.02529036	0.000812876	0.001210226	0.002274789	0.01552435	0.003012392	0.081796126	0.004566927	-17.91053977
LOC101902128	8.75193E-08	0.909800438	0.728995235	2.871642604	1.15212114	0.523171506	0.01133639	0.013809143	0.022393595	0.011198426	0.046812129	1.237146185	0.021109937	-58.60492127
LOC101902249	4.47544E-17	0.083684747	0.186172121	0.21466297	0.192316361	0.101038466	0.001566344	0.001017602	0.001701762	0.0049513	0.004477853	0.155574933	0.002742972	-56.71765027
LOC101902293	1.68516E-29	1.063211558	1.492618953	0.832074129	0.690900266	1.123410803	0.007075451	0.0120663	0.009783656	0.013978685	0.005843428	1.040443142	0.009749504	-106.7175445
LOC101902306	0.001019659	0.190953928	0.621566114	1.422828366	1.009158222	3.596821686	0	0	0	0	0	1.368265663	0	#DIV/0!
LOC101902346	0.034330957	3.37425493	1.695911154	3.927562306	1.132648107	0.301866541	29.68970365	12.84318499	27.50333571	13.41821325	25.98078499	2.086448608	21.88704452	10.4900952
LOC101902361	1.22084E-07	0.627254755	0.303583911	0.366310208	0.553217229	0.573622751	0	0	0	0.011877949	0	0.484797771	0.00237559	-204.0746932
LOC101902444	3.89374E-08	0.238011158	0.469813255	0.362554495	0.380948094	0.591608056	0	0.004250098	0	0	0	0.408587012	0.00085002	-480.6794663
LOC101902458	5.42594E-11	0.577714532	0.381547089	1.019503438	1.263592112	1.014823467	0	0	0	0	0	0.851436128	0	#DIV/0!
LOC101902469	4.61198E-17	0.484577349	0.601858482	0.498175992	0.312589472	0.332999543	0.001562509	0.000634444	0.000771634	0.003086987	0.007444817	0.446040168	0.002700078	-165.1952772
LOC101902665	1.02902E-17	2.257575785	2.792302429	1.033048154	1.120367805	3.996693424	0	0	0	0.055575476	0.071482746	2.23999752	0.025411644	-88.14846773
LOC101902681	0.022691029	0.234761006	0.079535093	0	0	0	229.7446998	60.41137764	114.6713011	0	0	0.06285922	80.96547571	1288.044556
LOC101902760	3.39883E-09	3.597144443	1.411106481	22.0795582	3.537913407	3.699082335	341.6248598	374.3024011	311.5833953	226.6746649	78.61671656	6.864960974	266.5604075	38.82912205
LOC101902787	1.22181E-05	0.100836942	0.056937874	0.165167949	0.090593962	0.342047882	7.51990691	4.017626631	7.492460992	8.080002892	5.363988481	0.151116922	6.494797181	42.97862279
LOC101902895	1.6739E-11	1.208434068	1.008685135	0.53200714	0.620798276	3.240407833	0	0	0	0	0	1.32206649	0	#DIV/0!

LOC101902926	9.31885E-22	3.956986828	4.78078486	4.995427194	3.256884009	2.089425092	0.014759949	0	0	0.014580321	0.01875362	3.815901597	0.009618778	-396.713757
LOC101902951	0.027990139	0.099951466	0.135450929	0.043658017	0.119731243	0.054247083	0.313847267	0.530979571	1.549913258	0.413370335	0.448612245	0.090607748	0.651344535	7.188618532
LOC101902958	0.0257164	0.206074499	0.084625867	3.293610917	0.426386546	1.169274904	0	0	0	0	0	1.035994546	0	#DIV/0!
LOC101903064	9.36241E-09	0.044086574	0	0	0	0	26.30202182	13.20912643	13.33089125	10.4839353	8.867677919	0.008817315	14.43873054	1637.542826
LOC101903101	0.019759244	0.023863889	0	0	0	0	16.40189836	6.034437763	10.95756725	0	0	0.004772778	6.678780675	1399.348769
LOC101903284	6.7372E-07	0.007321322	0.007632011	0.0061498	0.003373141	0.012226253	0.173890598	0.254902676	0.186304395	0.302788688	0.316432474	0.007340505	0.246863766	33.63035039
LOC101903301	9.6235E-33	0.131795652	0	0.3358093	0.263128662	0.059608344	66.90379475	53.39793879	60.85714769	90.50411087	79.49255461	0.158068392	70.23110934	444.3083688
LOC101903509	0.000629848	0.018594931	0.041998729	0.121831804	0	0	5.449548659	2.410310789	3.98877594	0.961290667	1.0509733	0.036485093	2.772179871	75.98116541
LOC101903526	1.35906E-05	0.230772074	0.181206956	0.248061108	0.637108831	0.386507211	0.009435202	0.003831086	0	0	0	0.336731236	0.002653258	-126.9123751
LOC101903637	0.018856587	0	0.005521832	0	0	0	1.253850202	3.002742695	6.912353534	0	0	0.001104366	2.233789286	2022.688438
LOC101903647	4.03966E-09	0.146673543	0.391511046	0.465933488	0.267542162	0.796047538	0	0	0	0	0	0.413541555	0	#DIV/0!
LOC101903678	2.79381E-08	1.983914884	1.882831033	1.241318425	1.309841513	2.57065817	0	0	0.020984919	0.069959906	0.00449922	1.797712805	0.019088809	-94.17626892
LOC101903758	0.001131524	0	0	0.177561504	0.292175333	0	12.33899816	7.947132158	5.883408104	1.681218309	8.379417881	0.093947367	7.246034923	77.12866392
LOC101903820	0.000838308	0.024408422	0.047899096	0.047189837	0.022528177	0.1031551	0	0	0	0.002068569	0.000665163	0.049036126	0.000546746	-89.68714913
LOC101903835	0.036721807	0.799646234	1.195924675	1.274397122	1.838115702	7.389651247	0	0	0	0	0.035926455	2.499546996	0.007185291	-347.8699765
LOC101903906	0.000167643	0.554094299	1.564354823	0.175148983	0.593878122	4.431750817	0	0	0	0	0	1.463845409	0	#DIV/0!
LOC101904027	0.008755807	0.131394753	0.051612126	0.04990626	0.071855135	0.046508107	1.360315093	0.66766946	1.24021348	0.5168308	1.168082425	0.070255276	0.990622252	14.10032532
LOC101904087	0.021108882	0.350781909	0.389409525	0.046486283	0.028557246	0.289961891	0.01336716	0.01718748	0.002200427	0.006602241	0.003538329	0.221039371	0.008579127	-25.76478455
LOC101904249	0.000578507	0	0	0	0.005917281	0.026809645	0.594579053	0.220430541	1.519209865	0.612879689	0.558381396	0.006545385	0.701096109	107.113043
LOC101904377	3.64747E-18	0.593792265	0.837954808	2.308378372	1.259478309	0.54549838	0	0	0.002394107	0.00478891	0.003079815	1.109020427	0.002052566	-540.3091684
LOC101904378	3.92871E-07	0.303423695	0.452545076	0.566693227	0.556484138	0.215785527	0	0.005558276	0.013520367	0.027044668	0.006087483	0.418986333	0.010442159	-40.12449384
LOC101904396	0.000623437	0.224190615	0.100679675	0.203293977	0.329806292	0.099617715	0	0	0	0.013555373	0	0.191517655	0.002711075	-70.64271057
LOC101904435	1.39783E-11	5.007905214	4.611458206	4.750553105	4.240118573	3.555083078	0.077615032	0.021009963	0.012776551	0.02555682	0.131487609	4.433023635	0.053689195	-82.56826422
LOC101904444	4.43059E-11	0.032891209	0	0	0	0	10.32782864	7.967706474	5.015322058	9.692032168	15.85608734	0.006578242	9.771795336	1485.472193
LOC101904492	0.000244044	1.027859408	0.86307251	0.46590286	0.398376211	0.341105998	0.003758997	0	0.00371271	0.051985505	0.022686415	0.619263398	0.016428726	-37.69394016
LOC101904520	0.014307037	2.609256497	2.399646432	3.060196467	2.39687833	4.365757598	0.030177004	0.03063281	0.111770303	0.700529136	0.201296246	2.966347065	0.2148811	-13.80459737
LOC101904573	9.83852E-08	0.216806701	0	0.177561504	0.584350666	0.147085525	20.84865207	22.40169862	13.30770881	12.46903579	9.956190063	0.225160879	15.79665707	70.15720107
LOC101904592	7.67577E-08	0.380368786	0.548959036	1.094618571	0.731987116	0.54404545	0	0.017507534	0.010646659	0.02839522	0.009130683	0.659995792	0.013136019	-50.24321096
LOC101904595	5.39906E-06	0.211496402	0.11146059	0.061586648	0.101340093	0	14.97909912	6.50159769	3.826202906	2.478282394	5.648679803	0.097176746	6.686772383	68.81041632
LOC101904667	5.20618E-20	0.535015259	0.06250302	0.846120683	0.441994119	0.200255931	58.02572501	73.70121623	49.30099493	68.66901501	206.9480962	0.417177802	91.32900948	218.9210668
LOC101904673	1.30123E-08	0.907345627	0.681851124	0.776526341	1.165257222	1.128715246	0	0	0	0.034681321	0.002788006	0.931939112	0.007493865	-124.3602699
LOC101904759	0.001353257	1.034340807	0.756942234	0.281711772	0.355246496	0.89963489	0.037853458	0	0	0	0	0.66557524	0.007570692	-87.91472198
LOC101904827	0.00028701	0.21799421	0.232987905	0.017596645	0.014508831	0.02935136	0.003882996	0.006839589	0.000621191	0.004970255	0.002188867	0.10248779	0.00370058	-27.69506431
LOC101904854	5.7257E-26	0	0	0	0	0	159.7316687	41.84369545	32.18910502	25.57688313	53.88841085	0	62.64595263	#DIV/0!
LOC101904857	1.90713E-06	0.989848284	1.478783027	0.380266655	0.382863232	1.093866867	0.024964822	0.01013676	0	0	0	0.865125613	0.007020316	-123.2317137
LOC101904947	5.84474E-07	0.281889388	0.517301415	0.692589806	0.801974694	1.816768393	0	0.074875093	0.091065885	0	0	0.822104739	0.033188196	-24.77099834
LOC101905041	0.00034276	1.413665668	1.216096052	0.113964077	0.159113417	1.403182533	0	0	0	0	0.015771705	0.861204349	0.003154341	-273.0219633
LOC101905127	2.98753E-26	1.535692416	2.016701777	1.349069054	1.469616953	2.071041977	0.003750248	0.003045515	0.005556103	0.022227646	0.005956214	1.688424435	0.008107145	-208.2637497
LOC101905156	2.29221E-09	0.157601794	0.088990313	0	0.188790215	0	14.70860948	6.697917404	9.911279807	16.02330373	9.431523452	0.087076465	11.35452677	130.3971956
LOC101905198	0.022551148	0.831035249	1.002613599	0.806017474	1.227361241	3.053565837	0.027012918	0.126136288	0	0.133420857	0.064353626	1.38411868	0.070184738	-19.72107791
LOC101905225	0.015252793	0.059160849	0	0.046983628	0	0	0.337754304	0.822854114	0.875687675	1.835041118	1.153319447	0.021228895	1.004931332	47.33790008
LOC101905228	3.75767E-24	5.467557737	3.515009533	3.033064244	3.228479307	2.041681883	0	0	0	0	0	3.457158541	0	#DIV/0!
LOC101905254	1.0479E-06	0.386510169	0.158722979	0.268584613	0.126272221	0	14.52691058	10.86375261	6.084291543	9.718118087	6.687933047	0.188017996	9.576201173	50.9323648
LOC101905297	1.2725E-10	1.503161546	1.638993628	1.685445811	1.952404993	1.156522522	0	0	0	0	0.009573778	1.5873057	0.001914756	-828.9860823
LOC101905309	6.7054E-10	0.315215129	0.415613958	0.457743571	0.336078656	0.295579866	0	0	0	0	0	0.364046236	0	#DIV/0!
LOC101905319	6.44324E-14	0.365634206	0.30519645	0.805474531	0.544632232	0.411264275	0	0	0	0	0	0.486440339	0	#DIV/0!
LOC101905359	0.011136204	0.179575748	0.1884087	0.069469981	0.065709973	0.114505629	0.021233139	0.019484683	0.010066407	0.002516968	0.009712185	0.123534006	0.012602676	-9.802204059
LOC101905484	2.27757E-06	1.119423924	0.884920383	0.177802037	1.176379741	6.061688973	0	0	0	0	0	1.884043012	0	#DIV/0!
LOC101905509	9.98146E-19	0.8286761	1.35267284	7.719661443	4.295696139	3.237145072	0	0	0	0	0	3.486770319	0	#DIV/0!
LOC101905586	2.95406E-09	0.753430085	1.07727046	0.80659892	0.326124012	0.263444902	0	0	0	0	0.003508269	0.645373676	0.000701654	-919.7892267
LOC101905706	3.74989E-07	0.181946097	0.36528496	0.309060228	0	0.219440837	20.73644188	17.78480921	14.9428433	8.674380688	4.738463485	0.215146424	13.37538771	62.16876597
LOC101905720	0.000286717	0.008022589	0.072479651	0.070084079	0.019220419	0	1.931302486	2.14799722	1.285503309	1.244216455	1.093569976	0.033961348	1.540517889	45.36091737
LOC101905760	3.80405E-07	0.015742565	0.017778171	0	0.009428961	0	0.782667037	1.070469057	1.159544284	1.627667348	2.368330321	0.008589939	1.401735609	163.1834099
LOC101905779	8.71315E-05	0.159124517	0.172606816	0.297222517	0.40003917	0.386357764	0	0.015571849	0.002705581	0.010823897	0.010441501	0.283070157	0.007908566	-35.79285666

LOC101905853	7.23793E-15	0.933127105	0.765692659	0.290222545	0.493824903	0.394833703	0	0	0	0	0	0.575540183	0	#DIV/0!
LOC101905875	0.000780188	1.4478038	1.614969343	1.113049572	1.224043845	1.548151106	0	0	0.045871043	0.104863353	0.080083933	1.389603533	0.046163666	-30.10167199
LOC101906006	0.001539949	0.181397682	0.149369529	0.041056988	0.028527974	0.081238467	0.007440733	0.008392356	0.012758872	0.01857962	0.011883163	0.096318128	0.011810949	-8.154986416
LOC101906082	5.67171E-13	1.601547539	2.441940784	0.882576132	0.606228996	0.732218893	0	0	0	0.006428122	0.012402048	1.252902469	0.003766034	-332.6848476
LOC101906120	2.85322E-07	0.048217922	0.217811122	0.184285592	0.303239739	0.752373614	15.96051679	15.3178677	9.907009732	11.90260478	9.378049902	0.301185598	12.49320978	41.48010355
LOC101906135	1.27465E-07	0.883194932	1.359198139	2.496175829	1.649194376	1.409823911	0	0	0	0	0.014393771	1.559517438	0.002878754	-541.7334493
LOC101906171	0.000172238	0.389764621	0.771644591	0.89326675	0.299736109	0.626781053	0.050364593	0.102250639	0.062180524	0.074627485	0.063991984	0.596238625	0.070683045	-8.435383991
LOC101906206	0.012492959	1.199191132	1.053915061	2.682349041	1.969400159	1.955150624	0.303665816	0.688430598	1.074736882	1.249875867	0.779698417	1.772001203	0.819281516	-2.162872185
LOC101906230	1.54387E-18	10.14112634	11.29577412	7.867558013	11.64600941	8.438637318	0.635228608	0.230294056	0.309968739	0.268927665	0.20658057	9.87782104	0.330199928	-29.9146675
LOC101906366	5.33839E-22	1.129969986	0.110007044	0.085096903	0.280051875	0.15860519	107.2587145	110.6175419	89.07046549	64.6597608	140.8466472	0.3527462	102.490626	290.550617
LOC101906426	1.22114E-07	0.064687304	0	0.094183025	0.103318028	0.058513358	6.996283767	3.940441458	4.346697032	7.468489026	5.053998367	0.064140343	5.56118193	86.70333963
LOC101906455	0.011082714	2.473899055	0.693821686	0.423405964	0.575684808	0.696528443	23.74995163	6.713295607	3.366193914	8.300251543	6.858615119	0.972667991	9.797661563	10.07297624
LOC101906490	0.000216853	0.210904848	0.320389139	0.246281058	0.253496577	0.147197318	0.003735141	0.009858051	0.004611435	0.038741687	0.011864441	0.235653788	0.013762151	-17.12332537
LOC101906607	1.83973E-05	0.481689862	0.582273297	1.023188888	0.500278814	0.548763527	0.023006371	0.025355628	0.056807694	0.090905534	0.016703609	0.627238877	0.042555767	-14.73922143
LOC101906656	9.87338E-06	0.520434037	0.442074571	0.42499239	0.352370492	0.767547205	0	0	0.023391864	0	0.003761457	0.501483739	0.005430664	-92.34298741
LOC101906793	0.000325304	0.025500177	0	0	0.030546505	0.069199096	0.333626961	1.652691036	2.306631487	3.954800706	4.472124115	0.025049156	2.543974861	101.5593061
LOC101906855	1.43127E-08	0.36574256	0.619552815	0.079876743	0.394308677	0.744378789	32.44315909	20.36223413	21.03160857	11.53361596	14.22687609	0.440771917	19.91949877	45.19230472
LOC101906884	0.00276352	0.107843785	0.181387301	0.836871122	0.390304837	0.068493156	0	0	0	0.011861986	0	0.31698004	0.002372397	-133.6117046
LOC101907074	0.000134178	0.054063651	0.069925548	0.122109576	0.057013152	0.084013975	0.002418229	0.003927608	0.001194226	0.002388799	0.003072541	0.07742518	0.002600281	-29.77570157
LOC101907107	2.41635E-08	0.352575003	0.354649708	0.378693441	0.890853021	0.721500672	0	0	0	0.009960028	0.003202717	0.539654369	0.002632549	-204.9930824
LOC101907120	1.13624E-12	0	0	0.194853717	0	0	43.19003083	27.77474677	18.44679026	18.91071093	12.75500081	0.038970743	24.21545592	621.3752635
LOC101907203	0.002642439	0.87306092	1.078148937	0.158943113	0.162778267	0.315188901	0.017567725	0.034239504	0.015616261	0.102041085	0.070981128	0.517624028	0.048089141	-10.7638444
LOC101907306	2.7251E-32	11.19340476	8.917911242	5.172930624	11.56106856	10.20501868	0	0	0	0	0	9.410066772	0	#DIV/0!
LOC101907327	2.70076E-05	0.463046241	1.219285686	0.360454404	0.12631332	0.261263962	0	0	0	0.011850404	0	0.486072723	0.002370081	-205.0869894
LOC101907487	2.7413E-08	0.183382928	0.567521081	0.377395298	0.321060942	0.253605495	0	0	0	0	0	0.340593149	0	#DIV/0!
LOC101907491	1.38545E-08	1.574934643	2.058005068	1.198219771	1.386602743	2.411341563	0	0	0.005560559	0.022245471	0.05364891	1.725820758	0.016290988	-105.9371452
LOC101907518	5.97578E-17	0	0	0	0	0	40.83400591	23.71370153	29.77942435	86.30253985	91.39794231	0	54.40552279	#DIV/0!
LOC101907523	4.55651E-24	0.660997605	0.430357232	0.473841417	0.735595282	0.392092835	0.007901919	0.010612761	0.011406749	0.007805753	0.017569964	0.538576874	0.011059429	-48.69843276
LOC101907566	1.16304E-12	2.732125266	2.652103592	1.343625849	2.084129154	2.650881124	0	0.009371475	0.005698969	0	0.043987445	2.292572997	0.011811578	-194.0954084
LOC101907648	4.25413E-05	0.045185845	0.004638967	0	0	0	1.26835163	5.219868301	13.50404301	0.509660668	0.471169325	0.009964963	4.194618587	420.9367151
LOC101907661	9.76005E-07	1.506516205	0.985922538	0.337155474	0.777974795	3.19254385	0	0	0	0	0.008849232	1.360022573	0.001769846	-768.4410516
LOC101907740	1.0426E-08	0	0	0	0	0	3.575811796	0.922171068	1.598846524	1.527478581	2.640046875	0	2.052870969	#DIV/0!
LOC101907782	2.45538E-08	1.92609219	1.34859124	0.317106131	0.22362615	1.648446284	0	0	0	0	0	1.092772399	0	#DIV/0!
LOC101907803	3.30507E-05	0.174599082	0.595449017	0.537215342	0.573143513	0.349201769	0.004038604	0.004919526	0	0.043884	0.005772768	0.445921745	0.01172298	-38.03826017
LOC101907943	2.84669E-10	1.039264865	0.732341062	0.750440207	1.174309002	1.097007377	0.008814933	0.014316924	0	0.017415311	0.022400064	0.958672503	0.012589446	-76.14890144
LOC101907970	2.5482E-07	2.10281653	2.410978305	2.45399104	3.518839844	1.306798318	0	0	0	0	0	2.358684807	0	#DIV/0!
LOC101908014	0.000185311	1.031456217	1.099788289	0.857611668	0.940793169	2.315951187	0	0.0222517	0.013531675	0.108269147	0.026111031	1.249120106	0.034032711	-36.70351516
LOC101908104	0.003143788	0.806370824	0.438245154	0.258658962	0.449768898	0.745364236	0.026375017	0.026773396	0.026050244	0.039081051	0	0.539681615	0.023655942	-22.81378698
LOC101908111	9.13005E-13	5.638338083	10.63688411	4.768970749	5.846422075	5.770889404	0.042640565	0	0.021057751	0.12636489	0	6.532300884	0.038012641	-171.8454875
LOC101908134	7.84048E-18	2.091014525	2.927745732	2.385447793	1.13022067	2.018306974	0	0	0	0	0	2.110547139	0	#DIV/0!
LOC101908221	5.09228E-05	0.871624728	0.974421526	0.242740209	0.332855094	0.492110004	0.01530704	0.012430595	0	0	0	0.582750312	0.005547527	-105.0468652
LOC101908683	2.48883E-06	1.675199233	1.056655227	0.105333095	0.412126788	0.514799337	0	0	0	0	0	0.752822736	0	#DIV/0!
LOC101908759	0.000493436	0.630817734	0.853452717	0.491054694	0.665872151	1.694883086	0.01634295	0.013271841	0.024212562	0.080720284	0.051912353	0.867216076	0.037291998	-23.2547496
LOC101909003	0.003213535	0.580175067	1.064843972	0.980282381	0.671778876	0.414778146	0.03943177	0.059469225	0.066764948	0.089032882	0.132409824	0.742371688	0.077421729	-9.588673533
LOC101909140	7.94348E-07	0.426952951	0.344671867	0.241382863	0.096777897	0.277091993	0	0.002384372	0.010149868	0.008701152	0.006528473	0.277375514	0.005552773	-49.95261276
LOC104968434	0.0308707	0.08886852	0.011151082	0.064695122	0.124197559	0.361739913	1.007669191	0.545541029	0.586948837	11.66411496	4.998168855	0.130130439	3.760488574	28.89783975
LOC104969050	4.85229E-08	1.03966674	2.22461379	2.084695066	2.104816343	2.656324583	0	0.051678115	0.031426427	0	0.01010686	2.022023304	0.01864228	-108.4643756
LOC104969170	5.24635E-23	0.118175918	0.020531808	0.049632995	0.0054447	0	19.3385592	8.3351816	14.6366151	18.11632757	16.53183814	0.038757084	15.39170432	397.1326688
LOC104969425	8.76631E-05	0.140723278	0.183398681	0.100691377	0.072127189	0.150323104	0.003601228	0	0.003556883	0.010672202	0.004575629	0.129452726	0.004481188	-28.88803494
LOC104969619	0.023257603	0.001433217	0.003237082	0.037561087	0.139064221	0.015557123	2.032634478	0.89538132	1.92241168	0.755739961	0.84101736	0.039370546	1.28943696	32.75131007
LOC104969719	2.79176E-38	6.46375478	6.641146061	3.957792788	5.304801227	6.362788268	0	0	0	0	0.003498833	5.746056625	0.000699767	-8211.389617
LOC104969916	6.23742E-06	0.423558255	0.31727726	0.261098487	0.338592857	0.176117411	0	0	0	0.017658411	0.00425864	0.303328854	0.00438341	-69.1992864
LOC104970008	8.84086E-10	0	0	0	0	0	8.720864739	6.986366885	6.867503345	13.03851322	14.07524405	0	9.937698447	#DIV/0!
LOC104970072	8.11552E-05	0.031886045	0	0	0	0	7.008545177	8.266261109	7.663913189	0.659357265	0.954094407	0.006377209	4.910434229	769.9973829

LOC104971058	7.64437E-16	0.745989534	0.932597891	1.496384457	0.305081727	0.41261051	0	0	0	0	0.001579724	0.778532824	0.000315945	-2464.141613
LOC104971238	0.000266296	0.003595459	0	0	0	0	0.188162157	0.061121355	0.083630334	0.446093343	0.310796332	0.000719092	0.217960704	303.105528
LOC104971400	9.22826E-09	0.295971969	0.468410788	0.063728709	0.035454299	0.122172431	0	0	0	0	0	0.197147639	0	#DIV/0!
LOC104971615	2.55957E-14	0.374605163	0.308707637	0.221114325	0.266816719	0.219795728	14.35883677	12.06934025	9.105803055	18.68531405	14.22155007	0.278207914	13.68816884	49.20122012
LOC104971817	0.000946825	0.273773768	0.154587158	0.179373356	0.131180762	0	3.438594843	1.279862011	2.830210896	6.651963258	205.3881379	0.147783009	43.91775377	297.1772885
LOC104971926	1.63627E-08	0.654046019	0.771518569	0.709433471	1.238906806	0.592939592	0.022869736	0.027858204	0.01505875	0.022591412	0.004842952	0.793368892	0.018644211	-42.55309608
LOC104972031	5.39059E-11	1.303058555	1.417815202	1.9025485	1.51707956	0.665496785	0	0	0	0	0.012169203	1.36119972	0.002433841	-559.2805741
LOC104972193	1.82572E-07	0.044610167	0	0	0.053438244	0	3.501894392	6.161633241	6.341084151	21.90875047	11.93927402	0.019609682	9.970527254	508.4492005
LOC104972306	1.81923E-18	13.21659658	10.79422038	4.460768842	7.183388572	1.451294345	0	0	0	0	0	7.421253744	0	#DIV/0!
LOC104972332	1.45958E-05	0.083261267	0.080338477	0.058587857	0.020233278	0.077651297	0.002079874	0.000422258	0.001540697	0.003081842	0.002312306	0.064014435	0.001887395	-33.91681567
LOC104972343	0.000229675	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
LOC104972373	0.006475222	0.029299345	0	0.447920361	0.07019501	0	9.813316952	10.08606049	9.389588909	5.301345564	0.974105747	0.109482943	7.112883533	64.96796045
LOC104972570	1.68844E-06	4.625373866	1.63014074	1.423720421	1.710553768	15.87921956	0	0	0	0	0	5.053801671	0	#DIV/0!
LOC104972821	0.012909416	0.166976499	0.350196851	0.879839052	1.631910151	0.187001622	0	0	0.041099168	0.013701716	0.004405883	0.643184835	0.011841353	-54.31683509
LOC104973054	0.000793156	0.49820922	0.551740958	0.403638657	0.383108217	1.43920027	0.021026549	0.01195272	0.031151453	0.112161546	0.020036853	0.655179464	0.039265824	-16.68574331
LOC104973218	0.04684878	2.302421526	2.830028336	4.361522425	4.465024422	2.62873801	0.036735751	0.201369363	0.226771243	0.925361283	0.39090749	3.317546944	0.356229026	-9.312960769
LOC104973884	0.002932746	0.572807834	0.320890863	0.256108163	0.316067192	0.452860224	0	0	0	0.011658304	0.02999048	0.383746855	0.008329757	-46.06939517
LOC104974155	3.4819E-08	0.066207569	0.242997933	0.385585968	0.198274095	0.029944262	5.34165775	7.690930227	9.653438636	6.331979826	4.732539961	0.184601965	6.75010928	36.56574979
LOC104974177	0.048798977	0.007706801	0.006828771	0.002071551	0.002414504	0.000965249	0.019855859	0.041823223	0.079364724	0.194916248	0.038630918	0.003997375	0.074918194	18.74184756
LOC104974330	0.000218035	0.915647873	0.817352926	1.058685403	0.947645214	1.626060929	0	0	0	0.087014122	0.011192002	1.073078469	0.019641225	-54.63398955
LOC104974468	0.000771608	5.038110377	6.544536178	0	0	5.776417076	0	0	0	0	0	3.471812726	0	#DIV/0!
LOC104974667	0.014876383	3.356279018	3.211095338	2.83558295	2.955081315	9.284004779	0.10192171	0.096563765	0.050333339	0.100681325	0.755411768	4.32840868	0.220982381	-19.58712117
LOC104974869	6.70465E-09	0.006153631	0.024322658	0.020158932	0.007371396	0	0.547467413	1.216082399	1.153018831	1.829192512	1.61624315	0.011601323	1.272400861	109.6772166
LOC104975001	0.006751925	0.308465747	0.415834004	0.352710529	0.214740955	0.232277249	0	0.024022613	0.004173886	0.033395944	0.013423377	0.304805697	0.015003164	-20.31609459
LOC104975007	8.38067E-08	0.0998983	0.050140326	0.096966211	0.079778371	0	4.124315416	1.698230831	3.528480126	8.66468319	8.782956537	0.065356642	5.35973322	82.0074758
LOC104975099	0.003501002	1.016542833	1.659467455	0.835281286	1.253879993	2.649312988	0.10534459	0.042774303	0	0	0	1.482896911	0.029623779	-50.05765576
LOC104975299	7.49309E-14	0.310774856	0.692434318	1.926097618	1.167133307	0.341894909	0	0	0	0	0	0.887667002	0	#DIV/0!
LOC104975406	3.58177E-12	0	0.040735003	0.026259096	0.014403009	0	8.746366108	3.398092486	3.293879889	7.210295423	11.25282345	0.016279422	6.78029147	416.4946194
LOC104975507	0.038810312	0.0105402	0.010663203	0.006713987	0.003419553	0.001787665	0.101127259	0.049460913	0.036320731	0.203198648	0.110968421	0.006624922	0.100215195	15.12700084
LOC104975593	1.63533E-12	0.151458713	0.097738977	0.236271356	0.155512677	0.352293556	23.55252597	35.77045425	11.40757585	22.03548433	10.82632126	0.198655056	20.71847233	104.2937077
LOC104975635	1.47574E-09	14.22145549	16.90382116	11.94822797	11.7466135	9.441503315	0.527611594	1.696370368	1.733504174	1.159383101	1.053438593	12.85232429	1.234061566	-10.41465405
LOC104975788	4.16045E-15	10.95951792	13.02783042	10.60196989	7.543444583	7.740227391	0.070927739	0.018327034	0	0.095542568	0.167949046	9.974598042	0.070549277	-141.3848364
LOC104976020	1.1932E-09	0.861442051	1.611422076	0.357352479	0.648550627	1.27984194	0	0	0	0.012439508	0	0.951721835	0.002487902	-382.5399928
LOC104976062	1.51146E-13	0.278726848	0.398872497	0.362338404	0.219056936	0.506249666	0	0	0	0	0.001225759	0.35304887	0.000245152	-1440.123163
LOC104976069	5.80247E-05	0.535094256	0.520453614	0.202651716	0.288999514	1.032396497	0	0	0	0.015989848	0.005141648	0.515919119	0.004226299	-122.0734935
LOC104976247	0.000168644	0.903421313	1.053417469	0.304778037	0.536702205	2.451588397	0	0	0	0	0.024419311	1.049981484	0.004883862	-214.9899891
LOC104976262	1.65321E-09	1.61052306	2.383969521	2.396261347	1.783197864	0.522362156	0	0	0	0	0	1.73926279	0	#DIV/0!
LOC104976276	0.001524716	0.24998811	0.502327938	0.696180659	0.811383898	0.276660022	0.073087693	0.065288642	0.071285368	0.077613083	0.054557238	0.507308125	0.068366405	-7.420430044
LOC104976573	1.88108E-18	2.111806671	5.17444196	9.844403546	4.397987345	0.385311828	0	0	0	0	0	4.38279027	0	#DIV/0!
LOC107131333	0.001864139	0.00765629	0	0	0	0	0.120203631	2.977269339	2.453618627	0.94992604	0.700002	0.001531258	1.440203927	940.5363718
LOC107131525	2.49361E-11	0.692510342	0.406669107	1.572912082	0.746598473	1.052377406	0	0	0	0	0	0.894213482	0	#DIV/0!
LOC107131583	0.028766993	0.245673746	0.399646861	0.124554355	0.159407659	0.099208001	0.015305848	0	0	0.015119576	0.007292709	0.205698124	0.007543627	-27.26780276
LOC107131598	4.88336E-07	0.045200675	0	0	0.013536402	0	63.80934796	28.38252575	67.87159061	0.642595626	0.093923253	0.011747415	32.15999664	2737.62316
LOC107131615	4.28958E-06	2.230679289	1.327277833	0.576224497	1.551551768	3.514836855	0	0	0	0	0	1.840114048	0	#DIV/0!
LOC107131623	0.000170735	0.79580002	0.239653763	0.347599215	0.444865832	1.511677715	12.63286968	10.70988794	19.40153541	14.12472713	18.43219956	0.667919309	15.06024394	22.54799905
LOC107131652	2.34447E-06	0.553063191	1.562454374	0.187630035	0.615341912	0.043713543	0	0	0	0	0	0.592440611	0	#DIV/0!
LOC107131684	0.001352877	1.129631601	1.910138387	3.100330085	1.534084958	3.098234288	0	0.012836418	0.015612132	0.124915223	0.18075317	2.154483864	0.066823389	-32.24146377
LOC107131703	1.08761E-09	2.203811366	2.31954021	2.2717538	2.360099222	3.229426493	0	0	0	0.022785815	0.058615516	2.476926218	0.016280266	-152.1428576
LOC107131731	3.62535E-06	0	0	0	0.025948674	0	7.708745302	2.807859166	1.231647717	1.791748232	2.880746409	0.005189735	3.284149365	632.8164059
LOC107131841	1.27385E-09	0	0	0	0	0	41.63861686	18.47976308	12.67251327	7.891580769	6.305535258	0	17.39760185	#DIV/0!
LOC107131906	0.004761579	0.59433166	0.201354665	0.648998534	0	0.967692425	30.79229037	6.188331652	6.912073604	12.59716662	40.50707776	0.482475457	19.399388	40.20803074
LOC107131936	2.43356E-06	0.004722077	0.002666335	0	0	0	0.247121762	0.130444282	0.128141361	0.311245724	0.478829704	0.001477682	0.259156566	175.3804373
LOC107131940	0.004882075	0.079692562	0.059998184	0	0	0	87.02595563	37.029599	71.19381497	0	0	0.027938149	39.04987392	1397.725871
LOC107131959	7.70025E-07	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!

LOC107131963	1.1908E-10	0.036609903	0.082687556	0	0.087709554	0	28.16396858	22.48252376	16.93630198	3.974459072	16.24905228	0.041401403	17.56126114	424.1706806
LOC107132052	0.001891136	0.011187975	0.004211548	0	0	0	15.49632309	10.96768458	11.99959402	0	0	0.003079905	7.692720338	2497.713787
LOC107132067	5.87544E-06	0.316531693	0.079435798	0.076810313	0	0	32.76216753	11.06076186	8.635058243	5.999965903	6.89882121	0.094555561	13.07135495	138.2399388
LOC107132192	0.000662696	0.001531456	0.002305976	0.00111488	0.001681645	0.000346322	0.034062093	0.017627276	0.031993513	0.030348777	0.042005543	0.001396056	0.03120744	22.35400805
LOC107132247	5.5145E-23	0.360181269	0	0.224749082	0.184910964	0.139630505	644.9210239	268.2064805	153.5932191	43.62416056	118.7218735	0.181894364	245.8133515	1351.407191
LOC107132301	0.008710247	0.094410374	0.145562555	0.040743847	0.046727297	0.052160217	0	0.003603903	0	0.00292256	0.004698848	0.075920858	0.002245062	-33.81681537
LOC107132303	9.38742E-07	0	0	0	0	0	1.665872925	6.764139751	4.456183045	2.056999096	4.189136263	0	3.826466216	#DIV/0!
LOC107132376	9.73231E-08	0.005850742	0.013214553	0.01277779	0	0	0.796090052	0.808114515	0.967738156	1.240094907	1.847918053	0.006368617	1.131991136	177.7452036
LOC107132395	0.000906888	0.105116868	0.039569698	0	0	0.190168412	989.8330989	231.2603854	379.3398723	0	0	0.066970996	320.0866713	4779.48205
LOC107132450	3.39616E-11	2.59150779	2.728769124	2.216406188	3.147768665	8.048852039	0	0	0.031224263	0.031228806	0	3.746660761	0.012490614	-299.9580989
LOC107132487	0.000160799	0.277208568	0.026087771	0	0.11068881	0	53.43497435	3.337974008	5.671735673	8.837252697	3.801708279	0.08279703	15.016729	181.3679674
LOC107132643	2.60551E-23	0.03032435	0	0.044151461	0.024216901	0.054860209	44.80552621	11.59878862	17.37236152	10.34655046	26.86809614	0.030710584	22.19826459	722.8213089
LOC107132649	0.026316113	1.197967216	1.999662471	0.020847119	0.034303686	2.46083241	0	0.020283824	0	0	0	1.142722581	0.004056765	-281.6832165
LOC107132694	0.005567169	0.000923635	0.002086132	0.007396334	0.008482525	0.001670961	0.394750793	0.06149722	0.087526317	1.76988045	0.003070778	0.004111917	0.463345112	112.6834689
LOC107132924	0.043389235	0.141673192	0.139622965	0.052284341	0.029856291	0.072085211	0.005148766	0.009059327	0.010170731	0.003390737	0.005451577	0.0871044	0.006644227	-13.10978636
LOC107132926	0.04047104	0.083216473	0.092448273	0.020692756	0.020429809	0.06214884	0.010200369	0.005292269	0.002938473	0.009236544	0.004500115	0.05578723	0.006433554	-8.671292671
LOC107132967	2.00317E-07	2.475576909	2.984865053	5.325261314	4.771521444	0.681892284	0.048704907	0.019776226	0.04810517	0.048112169	0.015470807	3.247823401	0.036033856	-90.13255195
LOC107132995	1.42855E-20	0.031081308	0	0	0	0	23.26019011	6.885317762	8.635246277	9.239049312	7.000946772	0.006216262	11.00415005	1770.2199
LOC107133011	3.67569E-12	0	0	0.079489743	0	0	3.047643491	22.81586286	34.71039752	28.03578148	35.75789287	0.015897949	24.87351564	1564.573913
LOC107133282	1.79452E-12	0.275851365	0.095186837	0.150612145	0.137683602	0	28.67190916	6.415307738	4.733010987	20.75697562	34.39177513	0.13186679	18.99379573	144.03775
LOC107133290	2.87562E-05	0.052169112	0.088372325	0	0	0	6.006397381	2.133992145	2.056128562	2.899225948	2.08133928	0.028108287	3.035416663	107.9900959
LOC112441543	0.000348499	0.623222042	0.171196612	0.4782217	0.575048223	0.342814805	4.143018495	5.941523294	7.813983836	3.265370762	4.1300118	0.438100676	5.058781637	11.54707561
LOC112441597	1.36487E-05	0.008220746	0.007957488	0	0	0	0.2089633	0.239570332	0.49169428	0.346057427	0.208888791	0.003235647	0.299034826	92.41887398
LOC112441663	0.000442248	0.487227477	0.595412631	0.397705103	0.225306471	0.196854937	0.035223929	0.018275271	0.059916443	0.015464557	0.01429662	0.380501324	0.028635364	-13.28781165
LOC112441805	0.046446517	0.004902572	0.003814035	0.002617273	0.001827081	0.000295644	0.028507516	0.023613493	0.037166558	0.079412835	0.034772095	0.002691321	0.040694499	15.12064209
LOC112442032	1.48994E-10	3.467038191	3.509036941	2.44300138	1.622076849	3.266313037	0	0.027801062	0.03381269	0	0.032622873	2.861493279	0.018847325	-151.8249024
LOC112442090	0.000494609	0	0	0	0	0	1.339509405	0.747858041	1.157638222	9.924056968	7.020531133	0	4.037918754	#DIV/0!
LOC112442226	0.000534075	3.287732298	4.02382097	0.688321357	0.536506375	2.498290902	0.078129175	0.031723708	0.240075476	0.017150743	0.071694252	2.20693438	0.087754671	-25.14891067
LOC112442228	1.11645E-06	0.582903936	1.282148927	0.527845591	0.541331664	0.26179776	0.031887045	0.002157912	0.013122666	0.01049966	0.00337624	0.639205575	0.012208705	-52.35654351
LOC112442288	2.97646E-11	0.587777183	0.126434325	0.122255462	0.569981387	0.683586005	31.34621692	23.96884514	47.23605113	31.83290404	19.40205246	0.418006872	30.75721394	73.58064177
LOC112442364	1.09167E-05	0.127261635	0.414569156	2.982450185	2.339458628	0.624279728	0	0	0	0	0	1.297603866	0	#DIV/0!
LOC112442573	0.000906261	0.028542372	0.225631468	0.187006265	0	0.077454612	2.688688521	3.517763865	4.425968103	9.73854648	3.36873303	0.103726943	4.74794	45.77344953
LOC112442630	3.36937E-11	1.155035699	1.276437379	1.452269643	0.939866592	1.222410973	0.064764432	0.052594128	0.019190083	0.021325417	0.019200547	1.209204057	0.035414921	-34.14391467
LOC112442649	2.09438E-12	2.079584512	2.365072297	2.052759831	1.949267337	2.064430686	0	0.006241543	0	0.015184604	0.039061732	2.102222933	0.012097576	-173.7722485
LOC112442657	0.012725665	1.03086084	1.285162752	2.106110688	1.352151573	0.852259772	0.067677112	0.027479734	0.066843757	0.315166417	0.144338402	1.325309125	0.124301084	-10.66208821
LOC112442749	2.37618E-05	0	0	0.015930365	0.002184435	0	0.391275523	0.619996886	0.857747089	0.235679089	0.187944998	0.00362296	0.458528717	126.5619009
LOC112443005	0.012904402	0.005705699	0.003866088	0	0	0	0.041803714	0.038797836	0.106171601	0.253669059	0.360421494	0.001914357	0.160172741	83.66919086
LOC112443013	4.44147E-06	1.587338014	0.843049796	0.737957497	1.995594199	1.833891865	0	0	0	0.04062358	0.013062799	1.399566274	0.010737276	-130.346495
LOC112443015	8.10673E-06	0.821954306	0.990787516	0.193543505	0.08758022	0.426863813	0	0	0	0	0.003682917	0.504145872	0.000736583	-684.4382361
LOC112443122	0.0002097	0.018948712	0.010699446	0.079810543	0.027562519	0	2.408288475	0.822557611	0.545686526	0.601741909	1.140716721	0.027404244	1.103798249	40.278369
LOC112443138	3.97355E-07	0.292817062	0.508134048	0.415359062	0.339650442	0.070806763	0.003034471	0	0	0	0.007711044	0.325353475	0.002149103	-151.3903657
LOC112443140	4.70299E-13	2.514483511	1.479134016	6.072810035	0.543685404	1.140414732	0	0.002976686	0.014481425	0	0.018629128	2.35010554	0.007217448	-325.6144889
LOC112443155	6.08942E-06	0.004367647	0	0	0	0	0.291430909	0.078888746	0.32735009	0.174988435	0.183327268	0.000873529	0.21119709	241.7744704
LOC112443177	5.78808E-09	0.560408828	0.454370332	1.412204921	0.413114013	0	16.54401727	21.19085434	30.86088379	43.08523891	33.13103575	0.568019619	28.96240601	50.98839027
LOC112443437	0.00265946	0.314056447	0.404594459	0.293000264	0.124184596	0.115839253	0.015956896	0.003239583	0.015760408	0.007881351	0.007602912	0.250335004	0.01008823	-24.8145617
LOC112443444	1.85007E-09	0.493245361	0.398682773	0.896779097	1.334673748	0.339722266	0	0	0	0	0	0.692620649	0	#DIV/0!
LOC112444314	1.47489E-22	0.467382836	0.93870431	2.196959057	1.828637921	0.708309805	0	0	0	0.003717231	0.001195302	1.227998786	0.000982507	-1249.86317
LOC112444531	7.1802E-08	3.66026998	3.298902254	7.33093177	4.52690397	1.647502588	0.046046616	0	0	0.022743115	0.124324553	4.092902113	0.038622857	-105.9709832
LOC112444750	2.04838E-05	0	0.006752422	0	0.007162528	0	0	0	0	0	0.009939538	0.00278299	0.001987908	-1.399959442
LOC112444861	1.3864E-06	0.606559536	1.145276339	0.371477357	0.457485061	1.09733543	0.01679537	0	0	0	0	0.735626744	0.003359074	-218.9968915
LOC112444889	2.97389E-09	0.297417673	0.33915555	0.6508172	0.348620452	0.335763621	0.015200041	0.00246874	0.004503862	0.012012045	0.010622034	0.394354899	0.008961344	-44.00622084
LOC112445076	4.45554E-06	0.137229815	0.044278409	0.085629869	0.023483821	0.159598542	2.564887855	2.957722486	5.066609276	9.222570478	14.17613654	0.090044091	6.797585326	75.4917421
LOC112445084	0.049914611	0.127436	0.143914219	0.069578808	0.228982195	0.086454851	6.252322048	6.431383088	7.986763928	0.823497518	0.264801435	0.131273214	4.351753604	33.15035457
LOC112445101	7.89308E-09	0	0	0	0	0	8.267089004	1.181090446	1.209672694	3.17585281	7.659134034	0	4.298567797	#DIV/0!

LOC112445109	7.12353E-15	0.091614051	0.051730142	0.200081499	0.027435976	0	52.37951419	26.71917691	45.46008994	18.94445997	6.853190313	0.074172334	30.07128626	405.4245671
LOC112445198	0.007095942	0	0.036694391	0	0.038923011	0	2.550687784	1.104731475	1.679519615	24.69253033	0.594153947	0.015123481	6.124324629	404.9547078
LOC112445855	9.21628E-19	0	0	0	0	0	7.152076534	1.949153443	2.622064034	4.837753375	5.067296176	0	4.325668712	#DIV/0!
LOC112445932	1.53249E-07	0.802601729	0.906382821	0.92024664	0.552823199	0.10889986	1024.237763	171.8705762	120.7230086	17.94511946	3.03528645	0.65819085	267.5623508	406.5118055
LOC112445943	6.53554E-18	2.74498815	4.014013416	5.520987158	7.391433689	7.51266191	0	0	0	0.030321786	0	5.436816865	0.006064357	-896.5199057
LOC112445971	1.95513E-19	0	0	0.067684336	0.222747531	0	36.33032439	34.57413016	37.08440282	46.94302756	26.3258508	0.058086373	36.25154715	624.0972721
LOC112445996	0.029389879	0.055292092	0	0	0	0	0.192907758	0.665793147	0.52396397	3.430081319	4.503781269	0.011058418	1.863305493	168.4965641
LOC112446048	2.04965E-05	0.414170282	1.044731362	0.380410518	0.774336893	1.575591541	0	0.024675448	0	0	0	0.837848119	0.00493509	-169.773639
LOC112446327	8.94026E-14	0.008151424	0	0	0	0	2.559544339	3.083202937	3.117899868	3.286913139	3.116588766	0.001630285	3.03282981	1860.306788
LOC112446420	0.001246102	1311.325781	993.4221643	0	0	55.01953268	0	0.01623944	0.029626521	0	0	471.9534956	0.009173192	-51449.21011
LOC112446452	3.60883E-09	1.041029026	1.181159598	1.038938112	0.805991305	0.534939388	0.008525894	0	0	0.016844267	0.021665572	0.920411486	0.009407147	-97.84172858
LOC112446454	0.001267436	6.598019847	6.897692531	5.864669563	5.431962326	16.9995547	1.013040707	0.472599764	0.117087563	0.447126646	1.766399784	8.358379793	0.763250893	-10.95102524
LOC112446470	2.92142E-12	0.03724887	0.016826147	0	0	0	4.01567226	6.522122534	5.968590332	2.657371938	2.674946159	0.010815003	4.367740645	403.8593856
LOC112446639	9.43764E-05	0.41197198	0.326643592	0.350619682	0.380653578	0.225031501	0.010415384	0.007048468	0.012001654	0.0480136	0.004411175	0.338984067	0.016378056	-20.69745454
LOC112446669	8.55331E-09	0.181750456	0.102625926	0.198467939	0.254004039	0	26.63247167	6.56557952	8.533314093	12.84098274	31.47186412	0.147369672	17.20884243	116.7732966
LOC112446671	0.007437727	0.038104367	0.0550803	0.039944854	0.043819186	0.041361089	0.255248181	0.365983767	0.551479984	0.614595672	1.135091703	0.043661959	0.584479861	13.38647807
LOC112446719	0.025894191	0.081707809	1.08036429	0.059482219	0.05301686	0.050812696	0	0.003617187	0	0	0	0.265076775	0.000723437	-366.4128678
LOC112446721	0.000690668	0.001759762	0.00437208	0.008455151	0.008432031	0	0.075517158	0.058334716	0.109152094	0.362073781	0.353962632	0.004603805	0.191808076	41.66294801
LOC112446803	0.000676176	0	0	0.128417994	0.08452411	0	1.04625582	2.099128153	2.066745114	4.681250792	3.772997631	0.042588421	2.733275502	64.17884123
LOC112446833	9.95233E-05	0	0	0	0.014407621	0	0.912682861	0.460039476	0.310842887	0.435243357	1.529514457	0.002881524	0.729664608	253.2217474
LOC112447003	0.004503625	0.041322069	0.069997881	0	0	0	0.054062983	2.831785899	1.468424878	4.539428148	5.976122686	0.02226399	2.973964919	133.5773555
LOC112447050	1.23189E-25	0.005552203	0.01254027	0	0.003990569	0	3.010252962	3.23741255	1.767840122	2.370857777	2.041590413	0.004416608	2.485590765	562.7826994
LOC112447093	2.06591E-10	0.242698902	0.533737245	0.189301749	0.15082856	0.576898383	0	0	0	0	0	0.338692968	0	#DIV/0!
LOC112447137	0.000227586	0.159991012	0.343872526	0.788999592	1.323018724	0.280105163	0	0	0	0	0	0.579197404	0	#DIV/0!
LOC112447489	0.017092198	0.623173835	0.605114499	0.344832349	0.466811569	0.419353579	0.079114437	0.003569307	0.026046749	0.017367026	0.011168979	0.491857166	0.0274533	-17.91614018
LOC112447506	0.012884636	0.487652688	0.589541077	2.020796502	0.464329241	0.288417871	0.065437086	0.019927642	0.040394571	0.032320359	0.00519642	0.770147476	0.032655215	-23.58421052
LOC112447509	3.10869E-12	0	0.020403423	0	0	0	6.807723124	4.050349965	2.778276049	2.755330006	3.61906758	0.004080685	4.002149345	980.754401
LOC112447567	6.92302E-06	0.002743737	0.002816835	0.003813227	0.004780663	0.000676873	0.54694262	0.524727277	0.20563994	0.083815303	0.010365924	0.002966267	0.274298213	92.4725301
LOC112447770	1.15619E-16	0.082644138	0.046665254	0	0.098998903	0	11.02884848	22.21525062	19.75698926	23.71183644	13.42910328	0.045661659	18.02840562	394.8258996
LOC112447794	0.000597524	0.002440925	0.0018377	0.000888481	0.001949312	0.001103978	0.014903185	0.036307892	0.054673066	0.168249292	0.142693357	0.001644079	0.083365358	50.7064156
LOC112447802	6.25241E-05	7.557992235	6.29322628	0.598056487	0.738071102	3.418317641	0.095539735	0.019396561	0.070772467	0	0	3.721132749	0.037141753	-100.1873225
LOC112447819	0.004517512	0.950818173	0.426495252	1.407007942	1.101722884	0.277312063	0	0	0.05741438	0	0	0.832671263	0.011482876	-72.51417353
LOC112447850	2.66228E-05	0.623150107	1.28203741	1.522630727	2.054633764	1.741252949	0.064577203	0.026221041	0	0	0	1.444740992	0.018159649	-79.55776072
LOC112448102	2.14974E-09	0.025596994	0	0.039930595	0	0	0	0	0	0.018903886	0	0.013105518	0.003780777	-3.466355562
LOC112448430	1.98502E-15	0	0	0.13492338	0.148009873	0.167648468	153.2493494	35.57626003	28.10101503	63.23648274	43.03032032	0.090116344	64.63868551	717.2803796
LOC112448734	0.023757141	0.008730218	0.009859086	0.009533227	0.010457874	0.002961367	0.079954157	0.074205089	0.101532377	0.372339546	0.27573815	0.008308354	0.180753864	21.75567626
LOC112448830	0.019829494	0.156589753	0.233611939	0.187192275	0.12735552	0.136425891	0	0	0	0.021302957	0	0.168235075	0.004260591	-39.4863198
LOC112448833	3.46398E-13	0.019361732	0	0	0.092773199	0.210165503	18.13740615	26.6604733	20.51611125	12.11127138	12.16617909	0.064460087	17.91828823	277.9749322
LOC112448889	8.93841E-08	0.093359803	0.017571962	0	0	0.08444927	8.957344893	10.51439851	3.377963394	3.298015452	3.233232105	0.039076207	5.876190871	150.3777187
LOC112449031	7.69833E-09	0.046734643	0.126939482	0.148700522	0.191597472	0.095116842	0	0	0	0.002082769	0	0.121817792	0.000416554	-292.4419252
LOC112449068	5.11313E-08	0.017171448	0.028206278	0.085231293	0.044879064	0.008472302	1.045688	1.001774101	1.43221939	1.452602803	1.82685918	0.036792077	1.351828695	36.74238617
LOC112449086	2.56895E-10	1.148892812	1.006186772	1.228965015	1.207730996	6.871703514	0	0	0	0	0	2.292695822	0	#DIV/0!
LOC112449147	1.36498E-06	1.860276885	1.698536575	0.540262215	1.19717996	3.678726771	0	0	0	0	0	1.794996481	0	#DIV/0!
LOC112449258	5.22484E-09	0.561899513	0.81388756	2.014153761	0.680412214	0.91157151	0	0	0	0	0	0.996384911	0	#DIV/0!
LOC112449282	1.52866E-05	1.433460952	1.180724574	0.989633968	0.904242508	0.929747052	0.005783941	0.007045564	0.002856359	0.045708401	0.084512688	1.087561811	0.029181391	-37.26901931
LOC112449310	1.23459E-07	0.883754413	1.062578161	0.364891696	0.692595419	1.706195533	0.011504917	0.018685906	0.011363249	0.034094706	0.007308929	0.942003044	0.016591541	-56.77610234
LOC112449358	0.001914259	1.005318184	0.824366456	1.118764606	0.958809267	2.432703312	0	0	0	0.099308241	0.042577687	1.267992365	0.028377186	-44.68351361
LOC112449361	0.000221437	0.689930009	0.478615794	0.290593309	0.206615724	0.160477988	0	0.010471904	0.00636816	0.012738173	0.004096049	0.365246565	0.006734857	-54.23226466
LOC112449364	8.64904E-10	1.800582651	1.259539127	0.959877651	1.64740128	2.885544851	0	0	0	0.048862787	0.015712174	1.710589112	0.012914992	-132.4498768
LOC112449366	1.4609E-06	1.600569881	0.568498256	2.790827512	1.314286979	1.646296437	0	0	0	0	0	1.584095813	0	#DIV/0!
LOC112449367	2.35494E-06	0.726518606	0.562481479	1.104138683	0.681878384	1.900394842	0	0	0.029035763	0.096799957	0.080929444	0.995082399	0.041353033	-24.0631057
LOC112449517	0.015740833	0.002392916	0.012250581	0.005574437	0.00420414	0.004329058	0.14109149	0.039322653	0.035869259	0.10308758	0.10501457	0.005750226	0.084877111	14.7606556
LOC112449547	3.03976E-08	0.423842474	0.718613292	1.600664101	0.269512653	0.274437135	0.011893333	0.007243785	0	0.005874296	0.001888921	0.657413931	0.005380067	-122.1943794
LOC112449565	0.030249672	2.016429353	3.351836044	0	0	4.721100619	0	0	0	0	0	2.017873203	0	#DIV/0!

LOC112449602	0.000430606	4.510344869	4.707055701	2.762921714	5.219888694	4.527654308	0.447774499	0	0.015795027	0.094783948	0.203189647	4.345573057	0.152308624	-28.53136572
LOC505099	4.49663E-26	3.49537897	3.306235424	1.781495286	2.059891862	4.718993925	0.020279893	0.016468967	0.012518858	0.045074446	0.019325342	3.072399093	0.022733501	-135.1485219
LOC506245	2.06069E-13	0.126328792	0	0.137948567	0.100885653	0.057135801	21.48639911	8.59015416	15.78032947	13.60571151	14.350041	0.084459763	14.76252705	174.7876926
LOC506251	3.63881E-14	0.410760448	0	0.448542365	0.464711435	0	131.3671359	43.35131413	48.00732336	24.5380247	44.00401394	0.264802849	58.25356241	219.9884273
LOC506285	6.48067E-20	0.017167167	0	0.07498484	0.082257772	0	10.6911278	23.52918997	15.92795608	24.58320748	32.50427934	0.034881956	21.44715213	614.8494742
LOC507216	0.000222109	0.111790955	0.018035168	0	0	0	2.50730874	2.273694255	1.774778083	9.659499837	1.911434033	0.025965225	3.625342989	139.6230162
LOC507494	7.13014E-08	0.01736291	0.013072023	0	0.03466487	0	2.2413563	1.857063823	1.585528625	2.064479093	0.798541573	0.013019961	1.709393883	131.2902501
LOC507743	9.90073E-32	0.113411114	0.307382	0.544907948	0.271708945	0.430864663	133.1853332	110.6157419	68.23474399	59.68477281	80.04861036	0.333654934	90.35384046	270.8002527
LOC508131	2.27873E-08	3.859550846	4.228046927	5.889235732	2.831027149	2.011660202	0.21355025	0.216775799	0.21092066	0.070317116	0.130013046	3.763904171	0.168315374	-22.36221257
LOC508252	6.74621E-12	0.201789967	0.048831983	0	0.069063701	0	23.38358849	4.99238158	8.232481832	38.5231886	87.71814779	0.06393713	32.56995766	509.4059988
LOC508285	3.70969E-09	0.071216773	0.172340396	0.04443847	0.048748647	0.027608415	5.324295915	7.847647944	5.048384852	5.417284293	3.500844239	0.07287054	5.427691449	74.48402936
LOC508628	0.027095482	0.316785936	0.332194764	0	0	0.368422658	471.3015426	105.4928716	198.1290843	0	0	0.203480672	154.9846997	761.667919
LOC508666	0.001810876	6.448764488	6.057351232	12.28165038	12.9054011	9.45488254	0	0.064944548	0	0.473996862	0	9.429609948	0.107788282	-87.48270007
LOC508883	3.45857E-23	0.026664762	0	0	0.010647184	0	11.25666523	6.856014248	8.246655917	14.01446237	15.95726282	0.007462389	11.26621212	1509.73258
LOC509415	5.90347E-15	0.463898993	0.015875268	0.214907898	0.067357786	0	53.33661256	15.0851455	26.04927379	51.01604105	84.61672381	0.152407989	46.02075934	301.9576572
LOC509911	0.036949696	0.023616322	0	0.051577123	0	0.064086934	4.820086264	1.380046117	0.610350416	0.488351373	0.255178346	0.027856076	1.510802503	54.2360131
LOC510081	8.74096E-06	0.006603221	0.0134227	0.01153694	0.004745974	0	0.780984094	0.232923088	0.211614039	0.512043935	0.419312076	0.007261767	0.431375446	59.40364586
LOC510193	3.67561E-21	2.76266074	2.543003792	5.327732182	4.027445993	5.799529587	0	0	0	0	0	4.092074459	0	#DIV/0!
LOC510369	2.92357E-09	0.044858791	0.033772863	0.097969842	0	0	11.50327698	14.48904585	6.49235958	9.894558709	6.860465462	0.035320299	9.847941315	278.8181729
LOC510613	1.51463E-11	7.211560495	9.722456137	9.018104593	9.701808425	12.56101643	0.19468181	0.214561422	0.09614228	0.576937607	0.008834207	9.642989216	0.218231466	-44.18697915
LOC510798	0.000233063	0.665769052	0.751856879	1.690713412	2.281279949	1.596599429	0	0	0	0	0	1.397243744	0	#DIV/0!
LOC511386	0.000109148	0.177788025	0.036504919	0.035298371	0.038722032	0	7.18963229	1.20206098	1.587305026	5.681707658	10.15593263	0.057662669	5.163327717	89.54368159
LOC511898	5.19E-15	0.037864678	0.042760802	0	0.015119288	0	8.190541883	17.59403662	11.938811	5.154662789	6.755960164	0.019148954	9.926802492	518.3992091
LOC511936	2.09597E-12	26.07984567	46.79942994	81.20011821	86.90908073	21.27382115	0.665597083	2.687587657	0.803490272	0.401803586	0.299515528	52.45245914	0.971598825	-53.98571693
LOC512286	0.000378566	3.409330871	2.507437219	4.002679733	4.50107393	5.401341631	0.137511721	0.013958875	0.016977306	0.101878654	0.262078398	3.964372677	0.106480991	-37.23080189
LOC512381	1.67553E-19	0.09112276	0.086657234	0.031422401	0.068940247	0.05205836	6.751549847	6.226774104	6.13543612	8.752016379	13.84813456	0.0660402	8.342782202	126.3288444
LOC512838	0.004384862	0.028488253	0.016085975	0.171097376	0.136503606	0	1.714516162	1.755546927	1.71181072	2.135472403	2.912454283	0.070435042	2.045960099	29.04747466
LOC512859	0.000387113	0.542062764	0.288072774	0.069637873	0.076392192	0	12.68212937	9.011579733	11.12503527	4.615500858	9.010891621	0.195233121	9.289027371	47.57915734
LOC513039	2.72542E-10	0.098501121	0.074158594	0.358537652	0.196656474	0.534599312	38.4898192	9.90733616	13.74680932	61.61503446	238.8445985	0.252490631	72.52071953	287.2214281
LOC513164	6.94804E-17	0.019645272	0	0.017161802	0.00941318	0	3.947909728	5.026123759	2.437060261	2.924897794	3.546549882	0.009244051	3.576508285	386.8983732
LOC513181	0.000997674	0.032321823	0.008588523	0.033218633	0.03416304	0	0.199000815	0.189886207	0.226032939	3.88243482	10.47096128	0.021658404	2.993663212	138.2217834
LOC513399	0.000216281	0.040563457	0	0	0.097181428	0	1.344451799	2.212346068	2.20151286	5.032761503	1.123833305	0.027548977	2.382981107	86.49980388
LOC513580	4.69298E-07	0.637208444	0.265116975	0.07324412	0.24104465	0	20.27159116	8.444907691	11.31111473	18.29112982	16.94804842	0.243322838	15.05335837	61.86578496
LOC513659	3.74768E-05	0.403301892	0.428432892	0.119429903	0.188332125	0.361717969	1.967518705	14.84491715	9.221800547	4.222856306	1.874909816	0.300242956	6.426400505	21.4040009
LOC513842	2.1647E-08	3.46443426	0.489050731	5.326198652	3.194426669	1.608123173	137.2909763	33.07943441	22.67861043	112.4080108	173.2260289	2.816446697	95.73661218	33.9919844
LOC513969	5.37331E-06	1.457915841	0.820788071	2.423244906	2.096744392	1.960646343	0.045013283	0.045693181	0.088918007	0.088930943	0.035745465	1.75186791	0.060860176	-28.78512735
LOC514406	4.38959E-14	0.082372283	0.015503917	0	0	0	14.44121858	5.236522079	8.604161798	7.274679552	6.561239507	0.01957524	8.423564304	430.3172965
LOC514457	1.91105E-07	1.085969278	5.266269168	6.250164934	6.121768882	0.034670159	324.746628	404.5682601	166.7135728	142.0029036	126.1121699	3.751768484	232.8287069	62.05838869
LOC514507	2.13319E-07	0	0.022070092	0	0.058526276	0.026516719	5.676275644	4.464261849	3.712332559	3.283492834	0.795933596	0.021422617	3.586459297	167.4146171
LOC514651	4.86648E-11	0.440706581	0.191420199	0.148074756	0.162436828	0.091994827	22.53138236	7.852018545	16.55903265	55.02955271	39.27870429	0.206926638	28.25013811	136.5224814
LOC514686	7.58902E-05	0	0	0.031575602	0	0	0.453979227	3.625245647	1.307801455	1.86855961	1.706409802	0.00631512	1.792399148	283.8265968
LOC514725	4.54249E-06	0.093437216	0	0	0	0	2.542735391	3.176790013	2.463128318	5.506617282	2.88902318	0.018687443	3.315658837	177.4270987
LOC515042	2.88924E-05	53.18873641	43.42485257	23.85506795	29.47727551	98.69054962	6.434315635	7.231982055	5.06564787	3.868875719	6.368424268	49.72729641	5.793849109	-8.582773813
LOC515089	3.01194E-08	2.64913252	2.499311177	2.825526398	2.032325316	2.842113223	0.074403106	0.030210768	0.048991286	0.122496035	0.070901035	2.569681727	0.069400446	-37.02687624
LOC515255	4.78467E-06	0.038604071	0	0.105387223	0.034682683	0	3.788020398	1.127935945	1.795860439	3.642135707	7.780957484	0.035734796	3.626981995	101.4972085
LOC515276	9.51996E-11	0.367292317	0.656743485	0.508029622	0.505973776	0	0	0	0	0	0	0.40760784	0	#DIV/0!
LOC515547	4.73351E-09	0.059059373	0.013339219	0.025796671	0.042448114	0	3.338032164	3.38845114	1.953735521	5.434617486	5.478242068	0.028128675	3.918615676	139.310352
LOC517901	0.00690663	0.024646825	0	0.0538277	0.01476214	0	0.515939646	0.733225648	1.082871374	1.019321337	2.45827474	0.018647333	1.161926549	62.31060271
LOC518495	4.81567E-09	2.679170785	1.964833962	2.028106588	2.614799023	3.113811849	0	0.011340842	0	0	0.017743728	2.480144441	0.005816914	-426.3677294
LOC519737	2.29598E-05	0	0	0	0.0226333	0	4.943989064	1.244628934	1.269608691	6.739672692	0.69098789	0.00452666	2.977777454	657.8310268
LOC521901	9.70575E-19	0.12169037	0	0.265767002	0.048590714	0	99.56019378	30.25455078	26.73265616	44.87545674	121.3739969	0.087209617	64.55937087	740.2781119
LOC522140	0.039796071	0.099792138	0.078887091	1.852508038	0.059770193	0	17.23408388	20.27229216	10.13574916	13.67106519	10.18551263	0.418191492	14.29974061	34.19424086
LOC522428	0.014081538	0.021712001	0	0.758690541	0.41613874	0	30.67902393	6.274619348	10.82989197	8.867211826	10.21420259	0.239308256	13.37298993	55.88185773
LOC522610	8.88421E-36	0.554375387	0.102213774	0.148253159	0.203290668	0.030701888	208.1779176	82.46138322	177.0471672	249.0426154	234.0942472	0.207766975	190.1646661	915.2785992

LOC523963	5.32441E-05	0	0	0.127607534	0.029996668	0	3.188850973	2.022026843	2.437692091	2.459622386	7.284687481	0.03152084	3.478575955	110.3579702
LOC524703	0.010908669	0.269259935	0.076019204	0	0.080636203	0	28.53479108	7.867252148	8.524615506	0.695988225	5.035498259	0.085183068	10.13162904	118.9394703
LOC526745	0.000117244	0.105957012	0.093067235	0.179982418	0.197439278	0.36740263	0.554507772	1.300885802	1.566972586	2.114959986	1.208488016	0.188769715	1.349162833	7.147136049
LOC527955	5.19035E-06	0.137440795	0.027390475	0.05297035	0.009684675	0	2.15781818	2.559774109	3.092398319	3.427210203	4.112504217	0.045497259	3.069941006	67.47529555
LOC529125	8.85857E-23	0.064555541	0.048601966	0.041773859	0.020048696	0	4.254285281	13.33667911	8.002146574	10.69168162	5.254354924	0.034996012	8.307829501	237.3936049
LOC529957	8.52845E-13	0.016204383	0	0	0.019411131	0	13.99247017	5.440492732	4.774241003	6.282810009	7.784819482	0.007123103	7.654966679	1074.667434
LOC530875	3.69788E-05	0.162021762	0.252308927	0.405995378	0.968381339	0.148100645	0	0.00724817	0	0.008816778	0	0.38736161	0.00321299	-120.5611161
LOC531462	7.9958E-06	0.81656002	0.447899486	0.305714589	0.482089299	0.126621452	7.630939643	12.22040577	6.798351151	7.206396088	4.857535618	0.435776969	7.742725655	17.7676339
LOC531747	0.038502554	0.888724269	1.318372296	1.291705047	0.990409344	0.941153347	3.824503646	3.553264509	12.9808451	10.29333879	3.567274826	1.086072861	6.843845375	6.301460632
LOC533093	2.01995E-10	0.064465265	0	0.046929871	0.051481695	0.116625021	5.960165489	5.753388434	11.44033418	8.442639768	15.39571905	0.05590037	9.398449384	168.1285707
LOC533307	0.000713391	2.874539044	1.126244357	3.203000353	5.79252917	2.251471801	21.31514514	20.01654135	20.90106326	23.39526683	32.51570201	3.049556945	23.62874372	7.74825463
LOC533308	2.98155E-05	0	0.202637179	0.522505826	0.358240456	0	19.71990339	4.82968195	4.32823972	13.45041575	30.47438644	0.216676692	14.56052545	67.19931572
LOC534181	0.000852907	0	0	0.195783806	0	0	1.407443951	2.047806987	3.011911786	5.329542288	3.110832277	0.039156761	2.981507458	76.14285158
LOC534391	0.023322332	0.075183669	0.033962143	0	0	0.081609503	38.95261712	27.92631148	45.04057441	0	0	0.038151063	22.3839006	586.7176159
LOC534520	4.00509E-14	0	0.017173569	0	0.036433199	0	10.74386871	9.952870248	5.148577578	6.053406895	7.43215079	0.010721354	7.866174843	733.6923153
LOC534913	1.60978E-09	4.964933815	5.855573052	5.241290861	4.800170125	10.18705207	0	0	0	0	0	6.209803984	0	#DIV/0!
LOC538810	2.25342E-11	0.036825256	0	0.026808305	0	0	10.34256661	4.903780269	4.568293352	3.109429745	5.040105904	0.012726712	5.592835177	439.4564019
LOC539009	3.24307E-10	0.027061787	0.030561035	0.059101884	0.032417148	0.550775948	18.19858153	26.56727973	21.05183455	17.48745629	24.6971599	0.13998356	21.6004624	154.3071368
LOC539166	0.000352548	2.939173892	2.304699193	2.532078325	2.765486992	2.511458789	0.337083673	0.072036867	0.411785468	0.070101341	0.264863573	2.610579438	0.231174184	-11.29269449
LOC539383	1.14185E-10	0.335372865	0.470158183	0.252565932	0.069265704	0.125529888	8.89662308	9.559345532	24.74726648	5.261053846	19.93548799	0.250578514	13.67995539	54.59348907
LOC539893	0.005208756	0.05236305	0	0	0.229993036	0	2.466296998	4.487843279	2.932135312	2.977678245	1.97301679	0.056471217	2.967394125	52.54701905
LOC540403	0.024830759	0.117178471	0.077572953	0.114719707	0.09680508	0.07675472	0.105729887	0.62678894	1.639519008	2.882631091	64.9590109	0.096606186	14.04273597	145.3606286
LOC540405	4.28589E-07	0.02836991	0	0	0.03398414	0	4.602540152	3.195085348	3.226098402	2.933243424	1.627028818	0.01247081	3.116799229	249.9275691
LOC541276	5.02892E-05	0.050082348	0.037705525	0.054688943	0.019997778	0	1.354169591	1.011013421	2.135677142	1.294538098	1.651195829	0.032494919	1.489318816	45.83235977
LOC548613	2.78559E-09	0.055729616	0	0.121711298	0.116826784	0.567119448	12.24935641	16.49035049	13.35878439	24.12853836	26.49538728	0.172277429	18.54448338	107.6431398
LOC613956	1.42124E-17	0.061610324	0.231922996	0	0.024600875	0.139325135	20.95775616	24.74365961	20.06277548	16.29674123	19.13489338	0.091491866	20.23916517	221.2127264
LOC613988	1.29986E-14	0.338159898	0.117503369	0	0.031159973	0	377.490958	67.04836421	26.42033231	29.85326777	74.67741559	0.097364648	115.0980676	1182.134072
LOC614129	8.90825E-29	0.615028833	0.135523054	0.163804742	0.233600246	0.040706976	65.00097776	90.11271258	102.9302718	47.76969658	86.25422408	0.23773277	78.41357656	329.8391569
LOC614207	9.18526E-05	1.012694535	0.574878793	0.331161421	0.337332766	0.514354009	9.494226751	4.718124008	6.298198555	7.334969326	6.634719072	0.554084305	6.896047542	12.4458453
LOC614209	3.0239E-06	0	0	0	0.015899294	0	1.875431498	1.184561011	0.78895879	1.16645659	3.33161376	0.003179859	1.66940433	524.9932347
LOC614213	0.013990581	0	0	0	0	0	31.34170992	18.97743264	14.12017945	0	0	0	12.8878644	#DIV/0!
LOC614226	9.98799E-15	0.02992969	0.050699661	0.457556895	0.125484067	0	21.14530335	21.52828957	38.32770822	31.09985948	17.58773153	0.132734063	25.93777843	195.4116217
LOC614269	4.69109E-05	0.175922171	0.308743819	0.166143625	0.13954146	0.180635919	1.766668781	1.091167051	1.363982524	2.82668129	26.77023851	0.194197399	6.763747632	34.82923906
LOC614366	0.041525462	0.107936095	0.073135717	0	0	0.058580614	62.58703729	22.43128689	30.62922547	0	0	0.047930485	23.12950993	482.5636506
LOC614423	1.23235E-30	0.34806265	0.016377883	0.348404464	0.277961398	0.236131897	90.92450202	118.4925809	66.41663558	42.80972513	106.5581423	0.245387658	85.0403172	346.554989
LOC614643	1.7001E-10	0.988467393	0.923819587	0.595523882	1.102418362	9.342066377	610.0541541	148.4796194	227.186576	183.2558469	304.9483123	2.59045912	294.7849017	113.7963921
LOC614882	8.35041E-15	0.088484714	0.012490788	0	0.039748234	0.060029605	13.66055042	4.935670879	7.260707705	12.29353759	17.70609299	0.040150668	11.17131192	278.2347701
LOC615291	1.18115E-05	0.05246056	0	0	0	0	12.07990535	1.895092785	2.03371998	3.254425386	5.494038044	0.010492112	4.951436308	471.9198873
LOC615401	1.16364E-11	0.130604176	0.088495235	0.114093762	0.062579974	0	49.62169742	10.43502616	19.10471081	9.857574528	13.20014898	0.079154629	20.44383158	258.2771438
LOC615559	3.45499E-06	0.187359143	0.232744352	0.433736131	0.592511988	0.569442842	0	0	0	0	0	0.403158891	0	#DIV/0!
LOC615622	0.00312649	0.164744565	0.595350401	0.143918271	0	0.447062582	13.96702932	4.901034592	7.74906778	9.709035734	6.791738704	0.270215164	8.623581225	31.91375753
LOC615663	2.62908E-11	0.056705557	0	0.024768543	0.013585447	0.030776047	9.318225186	8.362453691	6.24312735	7.387309797	6.504185251	0.025167119	7.563060255	300.5135501
LOC615768	0.019025192	2.173624744	1.356537619	2.748327601	1.850048276	0.931342557	0	0	0	0	0.190173132	1.81197616	0.038034626	-47.64017237
LOC616011	2.01138E-15	0.044663212	0.025219213	0.097542705	0	0	30.73644493	26.19435237	14.14011728	9.582044779	13.03002534	0.033485026	18.73659694	559.5515148
LOC616051	4.54438E-10	0.041156057	0.015492592	0	0.016433529	0	2.44100883	3.381575782	4.183709123	9.361524593	3.968075618	0.014616435	4.667178789	319.3103294
LOC616063	1.71487E-10	2.330220354	1.45323379	3.949757007	4.132874192	6.398955763	0	0	0	0	0.046251984	3.653008221	0.009250397	-394.9028674
LOC616094	0.017761993	0	0	2.028932124	1.340491887	0	0	0	0	0	0	0.673884802	0	#DIV/0!
LOC616160	2.72958E-13	0	0	0.053199361	0.029179638	0	5.099170044	6.263189842	7.36570645	5.855644119	4.474474523	0.0164758	5.811636996	352.7377782
LOC616199	1.59955E-17	0.127040905	0	0.09248412	0	0.114915748	21.05347857	27.08553728	24.78891425	17.29456196	19.11218539	0.066888155	21.86693549	326.917906
LOC616200	0.001709926	124.0936349	143.3695182	0.416413273	0.076133674	892.4503822	0	0.810323341	0.24638638	0.492844453	0.05282587	232.0812164	0.320476009	-724.1765687
LOC616254	0.033169158	0.105772023	0.301011389	0.563644774	0.590439023	0.746279283	0.044283173	0.062932861	0.060139591	0.032808186	0.04923195	0.461429298	0.049879152	-9.250945119
LOC616304	0.001683111	4.714684409	4.894467235	3.155131337	3.336801108	7.230429016	29.65345887	32.31644879	24.25787968	32.82557452	20.6791747	4.666302621	27.94650731	5.989004482
LOC616475	2.2808E-13	0	0.01991489	0	0	0	6.92158469	6.932449332	7.793444116	9.298794787	3.78158827	0.003982978	6.945572239	1743.813846
LOC616478	1.40036E-35	7.204821143	21.30035276	21.49820987	31.07985072	47.70351156	0	0	0	0	0	25.75734921	0	#DIV/0!

LOC616568	1.07418E-08	0	0	0	0	0	7.233205819	3.628038594	2.591501189	6.444670184	7.388303938	0	5.457143945	#DIV/0!
LOC616695	2.98906E-06	0.005381341	0.00607718	0	0.012892551	0	0.028162322	0.068610472	0.055631079	0.890226772	3.05938983	0.004870214	0.820404095	168.4533867
LOC617130	0.001482734	0.030991552	0.034998941	0	0	0	230.3083064	35.89123989	44.53332174	0	0	0.013198099	62.14657361	4708.752065
LOC617224	0.011928254	0.114917975	0.111237892	0.125488178	0.068829766	0	0	0	0	0	0.040935432	0.084094762	0.008187086	-10.27163496
LOC617302	0.000179784	0.13002148	0.065259563	0.4732697	0.069223079	0.156815798	0	0	0	0	0	0.178917924	0	#DIV/0!
LOC617499	1.09637E-05	0.039290545	0.059161389	0	0	0	4.318026265	1.141035848	1.116985953	3.588416275	3.744668998	0.019690387	2.781826668	141.2784164
LOC617648	3.37464E-07	4.579521282	4.199331344	3.16145968	2.765452084	2.139367389	0.014081161	0.080045551	0.069538849	0.16691752	0.272840321	3.369026356	0.12068468	-27.9159405
LOC617692	8.48819E-06	0	0.078910385	0.084780296	0.009300331	0	3.73805632	3.942998538	2.066732549	2.207511225	2.013366646	0.034598203	2.793733056	80.74792477
LOC617694	1.85634E-05	0.320649179	0	0.200081499	0.219487811	0	20.61619323	14.89265598	10.41793728	4.499309242	8.223828376	0.148043698	11.72998482	79.23326014
LOC618256	0.042540499	0.988467393	0.647443561	0.431754814	0.686765809	3.648030672	50.07438659	7.225525284	5.773481269	27.90070269	42.1306888	1.28049245	26.62095693	20.78962428
LOC618624	2.72577E-12	0.609329215	0.259956082	0.650589446	0.648810401	0.734897396	23.52640149	19.33558853	14.87289089	16.31006003	46.8864065	0.580716508	24.18626949	41.64901316
LOC619061	5.21645E-25	0.121362717	0.102791719	0	0.145379649	0.164669255	127.6613055	38.94133832	70.33714188	36.07557704	63.34803237	0.106840668	67.27267902	629.6542348
LOC619156	4.66428E-11	0.34489096	0.283263546	0.61627774	0.187792159	0.340334787	26.58165847	8.461385502	21.39242546	36.14549196	37.05756832	0.354511839	25.92770594	73.1363614
LOC780968	5.14212E-12	0	0	0.135517756	0	0.224516011	14.93781647	9.537586039	9.782461879	21.17168585	16.22894505	0.072006753	14.33169906	199.0327075
LOC781002	1.33163E-32	0.254157214	0.166170184	0.233713432	0.176262469	0	39.97264458	76.23532379	56.76608824	49.51331613	45.49594196	0.16606066	53.59666294	322.7535224
LOC781061	5.96022E-26	0.145427172	0	0	0	0	90.7845461	28.20960539	41.98761879	34.90527227	52.35581331	0.029085434	49.64857117	1706.99088
LOC781220	0.004075477	0.039768937	0.011227823	0	0	0	3.64216791	1.66901299	3.109111774	0.308386524	0.148745793	0.010199352	1.775484998	174.0782154
LOC781224	1.30328E-19	0.113411114	0.051230333	0	0	0.123104189	41.66493045	19.3758293	28.13803876	35.9984779	18.73959461	0.057549127	28.7833742	500.153096
LOC781255	1.55572E-09	0.03664562	0.06207617	0	0	0	7.287584583	6.03493249	5.019551597	3.504725094	4.812462531	0.019744358	5.331851259	270.0442955
LOC781261	2.60619E-06	0.466396673	0.363806192	0.24152183	0.213109965	0.534964288	3.824769174	2.676909172	1.764570557	4.871917572	12.39691714	0.36395979	5.107016723	14.03181578
LOC781339	0.000294609	10.59052749	0.394524744	0.31083967	0.495983479	5.653039364	84.84532398	157.007963	145.8651504	134.2475695	127.14954	3.488982951	129.8231094	37.20944218
LOC781412	0.02019754	0.807779805	1.395175986	0.492926907	1.451451654	0	9.946768132	10.29894827	11.02162173	15.41409215	28.88993707	0.82946687	15.11427347	18.22167227
LOC781466	3.01891E-13	0.07869084	0.029622008	0.057285904	0.062842181	0	9.197200662	11.98367496	9.897437237	17.89933962	21.14768612	0.045688187	14.02506772	306.9736131
LOC781650	2.60554E-07	1.246753364	0.479307526	0	0.222432916	0.215953959	39.98095021	18.65775215	29.61647809	34.28331827	20.24014258	0.432889553	28.55572826	65.96539015
LOC781719	0.004264367	0.238595578	0.69286469	0	0	0	9.810812419	10.28492973	12.42082482	6.695886713	11.89876358	0.186292054	10.22224345	54.87213898
LOC781724	1.51789E-13	0.233399509	0.615018667	0.101947077	0.242309452	0.16889854	48.69538406	11.44019461	19.98628341	22.68391116	26.82289354	0.272314649	25.92573335	95.20506321
LOC781868	2.79544E-22	0.302281491	0.029684196	0.086109253	0.031487055	0	43.81280767	41.24894544	32.5398992	26.22594677	37.86173169	0.089912399	36.33786615	404.1474435
LOC781913	7.72305E-09	0.054175617	0.040787227	0.078878283	0.064896636	0	4.53630012	7.904937936	9.427595775	5.881435108	2.761777122	0.047747553	6.102409212	127.8056961
LOC781964	3.48395E-15	0.045663829	0.058935347	0.028493718	0.054700418	0	3.550467617	5.75269058	5.951356461	7.688989744	7.731824801	0.037558662	6.135065841	163.3462278
LOC781979	4.35298E-09	0.026648997	0.082760886	0.043650274	0.015961334	0	1.638689472	3.666648441	2.772130832	6.474986584	4.540701161	0.033804298	3.818631298	112.9628923
LOC782014	7.70499E-06	0.016828746	0.038009602	0.036753322	0.020159051	0	0.880703428	4.577310341	3.435941964	2.870951427	2.098124274	0.022350144	2.772606287	124.0531723
LOC782044	3.41005E-07	0	0	0	0	0	3.404175108	1.999832622	2.003046827	1.359408098	1.265368391	0	2.006366209	#DIV/0!
LOC782054	0.000119958	0.299126651	0	0.279977525	0.153566557	1.043654629	6.93260883	9.625240047	7.344220185	45.72856421	67.73232095	0.355265073	27.47259084	77.32983895
LOC782058	1.5068E-06	0.198174875	0.034430776	0.099878346	0.073043833	0	2.872008193	8.584198459	7.052210161	4.88604071	4.155920965	0.081105566	5.510075698	67.93708456
LOC782092	2.24739E-08	0	0	0	0	0	9.223657661	1.812188803	2.399967433	14.98973226	2.961340449	0	6.277377322	#DIV/0!
LOC782120	1.47009E-08	0	0	0	0	0	11.6461565	5.87520792	6.971363284	3.486188773	5.829244663	0	6.761632228	#DIV/0!
LOC782177	9.32248E-15	0.048601169	0.023522393	0.030326586	0.008317006	0	3.052150173	7.450556151	4.970446717	10.73198405	4.408899843	0.022153431	6.122807386	276.381903
LOC782217	6.14755E-08	0.010683095	0.006032241	0.029164325	0	0	0.223632543	2.474413125	1.477126992	1.988198444	1.407390256	0.009175932	1.514152272	165.0134554
LOC782219	1.98905E-08	0.053762062	0	0	0.042934162	0	13.88015495	5.559761433	4.353609719	1.760225944	7.715651816	0.019339245	6.653880772	344.0610451
LOC782284	2.47391E-10	0	0	0	0.017319092	0	2.723875361	2.288820345	2.092482328	2.018044379	1.36993463	0.003463818	2.098631408	605.8722352
LOC782346	0.037554282	0.064428406	0	0	0	0	0.505762449	0.684535584	0.666046201	4.8295375	11.2456582	0.012885681	3.586307987	278.3172973
LOC782348	3.76243E-06	2.107148743	3.563503636	2.392545867	2.988783228	7.140523993	0	0	0	0.541950083	0.087133936	3.638501093	0.125816804	-28.91903931
LOC782372	3.82451E-10	0.322572374	0.364282867	0.078276159	0.214670808	0	31.1365638	9.824783902	13.70923911	40.39255324	79.12266882	0.195960442	34.83716178	177.7765017
LOC782402	1.43204E-11	0.139324039	0.125871561	0.182566947	0.033379081	0.453695558	43.60187578	12.19753035	26.71756878	13.9729446	36.59327963	0.186967437	26.61663983	142.3597618
LOC782424	2.87722E-11	0.111601157	0	0	0	0	7.759460732	6.402964547	10.13614325	8.15954616	22.97777363	0.022320231	11.08717766	496.7321996
LOC782439	1.12981E-29	0.10944569	0	0	0	0	171.2567848	50.60648705	78.97343956	32.36345245	57.23683021	0.021889138	78.08739882	3567.404005
LOC782456	0.00308541	1.665676135	1.535909572	1.179216431	1.159350453	1.465230335	0.106630326	0.064944548	0.171140634	0.078999477	0.101611356	1.401076585	0.104665268	-13.38626088
LOC782525	2.1534E-08	0.222027099	0.029498412	0.827179773	2.205944082	0.035441679	109.8375589	40.04718818	79.45669478	52.12361326	83.7384451	0.664018209	73.04070004	109.9980378
LOC782604	0.000181029	0.031119934	0.005020561	0.029127736	0.010650965	0	0.25592414	0.056681394	0.20106925	26.46456302	16.87562403	0.015183839	8.770772365	577.6386471
LOC782609	1.99244E-17	0.066223133	0.134615107	0.086777237	0.111059594	0.179707808	16.84317358	12.21456717	13.4181536	15.20032393	17.94384535	0.115676576	15.12401272	130.7439523
LOC782622	1.4297E-09	0.409440996	0.703627991	0	0	0	41.17785227	37.86571844	38.83049349	53.83683321	49.38988519	0.222613797	44.22015652	198.6406819
LOC782639	0.004651223	0.24194371	0.068307111	0	0	0	303.2478889	142.7963274	299.9827577	0	0	0.062050164	149.2053948	2404.593071
LOC782668	0.000243954	1.438449313	0.938062221	2.38932276	2.912297817	1.97922852	22.90170934	7.318697056	10.15792305	70.06844558	67.8624377	1.931472126	35.66184255	18.46355537
LOC782688	3.66384E-07	1.449328396	1.186632892	0.342904949	0.274889075	1.147125211	16.2441358	20.73698201	24.97137845	13.54894376	21.04093472	0.880176105	19.30847495	21.93705878

LOC782706	9.55648E-08	0.098950898	0.022349165	0.043220977	0.023706534	0	5.074856299	2.54421463	1.329811421	10.48657706	7.20463597	0.037645515	5.328019075	141.5313108
LOC782738	1.641E-23	0.185490177	0	0.05063791	0.111098769	0	105.3243016	22.17134696	38.29118108	43.9903224	57.50663345	0.069445371	53.45675709	769.7670285
LOC782740	3.45032E-07	0.212728419	0.068638699	0.464590537	0.182018614	0.082467855	152.9961416	67.15980828	117.8895039	6.441269661	0.555697381	0.202088825	69.00848416	341.4760032
LOC782776	1.21565E-05	0.767872455	0.192702855	0.186333708	0.332160714	8.827010784	473.7398263	143.8606922	299.0565406	119.1989509	190.2280279	2.061216103	245.2168076	118.9670541
LOC782779	0.004820423	0.166089419	0.072140674	0.251122698	0.290784022	0	1.805262293	6.569958324	2.806625805	3.038201658	5.479444228	0.156027363	3.939898462	25.25133026
LOC782784	1.45585E-10	0.101990817	0.016454118	0	0.052360358	0	10.67502744	3.312801726	4.405709599	20.03571377	13.36965806	0.034161059	10.35978212	303.2629116
LOC782889	0.001119034	0.077128873	0.043551043	0.336892874	0.1385883	0.1046512	1.816383005	5.326586437	7.126232763	6.479335962	1.698834423	0.140162458	4.489474518	32.03050651
LOC782924	1.69706E-36	0.271649816	0	0.188768542	0.19228633	0	182.8090177	87.87200116	196.0033621	139.3479619	121.9246087	0.130540938	145.5913903	1115.292973
LOC782954	2.5302E-38	0.197832308	0.208518969	0.374450278	0.268579713	0.214740735	217.7625813	81.13405128	183.1427682	55.36332174	145.138336	0.252824401	136.5082117	539.9328996
LOC782958	1.35039E-16	0.489772209	0.117002477	0.226270703	0.090260785	0.025559245	11.63270542	40.46882367	25.31576807	34.52209797	19.86875286	0.189773084	26.3616296	138.9113203
LOC782966	0.01728112	9.583988751	20.09386939	14.1678179	8.746363078	0.507115765	112.0480101	132.489162	90.24570982	70.04030753	45.19923362	10.61983098	90.00448462	8.475133437
LOC783043	1.81212E-07	0	0	0.028503619	0.015634121	0	1.024529214	1.941341013	1.619061577	4.520537833	5.358833936	0.008827548	2.892860714	327.7082954
LOC783142	3.10077E-13	0.259942982	0.171240491	0.378470195	0.155692046	0.235133261	28.45433928	10.49494901	17.52298798	20.94105746	19.84114089	0.240095795	19.45089492	81.01305943
LOC783148	0.003840277	0.173209701	0.195606727	0.108080915	0.177845855	0	26.54642033	3.785779402	6.522908985	3.709644747	0.78153056	0.13094864	8.269256805	63.14885607
LOC783202	4.735E-16	0.377884919	0.170699058	1.32045738	1.176931623	0.615273252	183.3231145	92.10254112	46.68253493	46.8846796	135.3079922	0.732249247	100.8601725	137.7402202
LOC783224	8.42878E-08	0.053456016	0.005030683	0.087559385	0.032017316	0	13.73120257	3.682252643	2.774593492	2.348960258	1.762424391	0.03561268	4.859886671	136.4650645
LOC783301	2.60103E-09	0.031190999	0.013209067	0.01702998	0.016346534	0	1.244649504	1.006616894	1.788564613	0.675218387	1.348096025	0.015555316	1.212629085	77.95592763
LOC783390	0.003004679	14.19108507	10.33895812	8.395544725	9.17324058	14.62780623	45.00133718	49.0900894	53.43457512	62.43102704	54.67833391	11.34532695	52.92707253	4.665098924
LOC783427	0.000445182	0.002787308	0	0.012174742	0.013355596	0	0.36467239	0.811435761	0.605105642	0.25936872	0.129736197	0.005663529	0.434063742	76.64191867
LOC783463	2.43607E-13	0.334974087	0.050438426	0.097542705	0.267508926	0.060600635	143.631524	35.4952456	61.9279422	12.81454181	11.24814153	0.162212956	53.02347903	326.8757345
LOC783497	4.36768E-07	0	0.020237937	0.117414239	0.107335404	0	3.470038737	3.122605736	7.641974506	5.280677832	5.630340515	0.048997516	5.029127465	102.6404578
LOC783502	5.33584E-16	0.153391571	0.476371492	1.612193194	0.25265187	0.286174823	36.17384807	71.44402493	51.66001718	24.58234673	43.73043633	0.55615659	45.51813465	81.84409832
LOC783528	0.008422438	0.051952643	0.293352116	0	0.06223375	0	2.039139058	1.435157729	3.423850567	11.28020749	7.038553997	0.081507702	5.043381768	61.87613748
LOC783565	5.87661E-19	0.026517304	0.02245961	0.014478188	0.031764914	0	5.412175929	4.07113826	7.829833888	8.910516381	7.714106051	0.019044003	6.787554102	356.4142485
LOC783574	0.001817666	0.042394764	0	0	0.012696106	0	5.934907324	0.292781896	0.547834276	3.232692485	0.845690904	0.011018174	2.170781377	197.0182498
LOC783577	3.52336E-17	0.877460767	0.590916533	0.404365311	0.289294908	0	44.40376071	62.06076477	67.15861176	60.42657473	124.6260998	0.432407504	71.73516235	165.8971265
LOC783641	1.04665E-14	0.406242007	0.035290113	0.136494866	0.074866891	0.084800556	154.053054	24.90126323	37.87749885	28.75554676	33.55769988	0.147538887	55.82901254	378.4020186
LOC783686	1.02802E-10	0.241089608	0.136131951	0.052653026	0.05775995	0.130847585	23.34146724	15.06171606	14.39320282	10.96784524	7.815041585	0.123696424	14.31585459	115.7337788
LOC783750	0.004120466	0.011621832	0	0	0	0	7.724248657	1.827489737	1.171402573	0.240322667	0.057958086	0.002324366	2.204284344	948.3377276
LOC783776	0.004392168	0.870017816	0.495318085	0.204141346	0.223941431	0.253654957	16.70720029	4.354479706	2.192763319	3.754259606	9.036136079	0.409414727	7.2089678	17.6079836
LOC783797	9.94817E-11	0	0.086216903	0	0.091453255	0.310763015	28.36724262	11.43717045	14.20627811	23.28589871	25.69946367	0.097686634	20.59921071	210.8703084
LOC783803	2.97431E-08	0.040259122	0.181859447	0	0.048226154	0	6.952742949	4.662399008	6.711057958	10.40625481	8.198201345	0.054068945	7.386131213	136.6057961
LOC783838	0.001491269	0.411510467	0.219451665	0.299574247	0.438174084	0.031019558	3.469639167	1.287368533	2.599728718	52.41579243	17.1016922	0.279946004	15.37484421	54.92074888
LOC783893	0.000366063	0.670124094	0.550381858	0.68424535	0.635934912	0.425103067	0	0	0.044984353	0.134972693	0.028934281	0.593157856	0.041778265	-14.19776168
LOC784088	5.87324E-09	0	0	0.058152232	0.042528357	0.024085602	4.552021387	3.338275587	2.867327319	2.615382972	2.508230229	0.024953238	3.176247499	127.2879891
LOC784122	2.0679E-12	0.046220378	0	0	0.018455702	0	5.402129347	8.773960439	6.131968824	5.734623239	6.761364684	0.012935216	6.560809307	507.2052345
LOC784127	1.75696E-06	0.160795209	0.072634788	0.491638616	0.500800528	0.30544173	8.330790888	8.09785669	9.599576194	9.226908959	9.622630234	0.306262174	8.975552593	29.30676182
LOC784243	7.45105E-26	0.128930529	0.048534	0.281579227	0.205926779	0.699750129	193.1993266	62.19138926	103.0740788	124.1956745	101.0902202	0.272944133	116.7501379	427.7437167
LOC784266	1.99173E-11	2.469699734	0.59877831	1.005610211	0.785573945	0.113592424	43.52062076	46.31274823	26.10816984	50.27635889	68.05329994	0.994650925	46.85423953	47.10621422
LOC784443	7.82455E-09	0.091359391	0.11791165	0.342043425	0.125072971	0.247919347	8.742649293	13.09018511	6.914742152	7.286837104	6.313444029	0.184861357	8.469571538	45.81580319
LOC784473	2.16755E-10	0.39909371	0.119302639	0.281989863	0.210914069	0.31853209	17.69157047	4.86383924	9.28291485	13.47128708	25.34680992	0.265966474	14.13128431	53.13182559
LOC784492	0.000492613	0.030538017	0	0.766979081	0.128034556	0	13.02495929	10.12311256	8.681614398	11.99815798	13.40179439	0.185110331	11.44592772	61.83300342
LOC784603	2.94595E-08	0.045364446	0	0	0	0	4.748140222	5.398241	5.041398611	19.93401056	24.58393498	0.009072889	11.94114507	1316.134798
LOC784738	1.07029E-05	0.284020877	0.040093304	0	0.085056713	0	10.7762139	2.489561455	5.597022927	19.0877073	49.75148431	0.081834179	17.54039798	214.3407343
LOC784808	1.96192E-07	0.124024682	0	0	0	0	8.159634178	6.927500108	4.487486276	6.228438018	3.092556006	0.024804936	5.779122917	232.9827745
LOC784980	1.67708E-17	0.205930707	0.13953525	0.13492338	0.197346497	0.502945405	51.62196792	15.22821462	27.24946912	35.23783802	52.37580754	0.236136248	36.34265945	153.9054669
LOC785035	4.19763E-05	0	0	0.073506644	0.026878734	0	0.880703428	1.835692168	2.43560443	1.449975468	3.99109862	0.020077076	2.118614823	105.5240742
LOC785316	1.49956E-08	0	0.009837365	0.038048894	0	0	3.008770488	2.869112153	1.10313902	2.386729563	2.099681324	0.009577252	2.29348651	239.4723031
LOC785350	2.63306E-15	0.043727312	0.098763018	0	0.078571015	0	5.720983853	22.1610227	17.79919303	41.5940064	20.60743956	0.044212269	21.57652911	488.0213037
LOC785370	0.003661323	0.033462593	0.018894751	0.036540497	0.070148109	0	1.182064842	1.884317595	3.048496427	1.902884509	2.225039765	0.03180919	2.048560627	64.40153399
LOC785441	4.46118E-17	0	0.006501949	0.012574098	0.013793685	0	2.25980616	3.462318867	4.151482098	6.518328711	6.335897932	0.006573946	4.545566754	691.4517459
LOC785503	1.15659E-12	0.225418022	0.133982047	0.20728595	0.326874614	0.450733974	29.61633717	25.53836643	20.0836807	11.59196307	50.13358607	0.268858922	27.39278669	101.8853551
LOC785534	3.3887E-06	0.202762542	0.057245231	0	0.030361	0	7.295219491	6.032042574	6.41934609	4.454888191	4.929487769	0.058073754	5.826196823	100.3240943
LOC785559	0.006259631	0.041828242	0	0	0	0	0.766153138	0.355531622	0.756718971	5.297803463	5.562599413	0.008365648	2.547761321	304.5503739

LOC785568	1.95058E-07	1.88130395	2.287995814	1.580266979	1.849109642	8.20329218	70.34890083	73.39323279	81.11849667	33.25012238	47.52510154	3.160393713	61.12717084	19.34163158
LOC785569	1.56611E-06	0.034085083	0	0.037220243	0.04083031	0.092495707	2.586486911	1.774512525	2.598683208	6.431575395	8.64076879	0.040926268	4.406405366	107.6669227
LOC785629	0.031930026	0	0.038562469	0	0	0	27.341518	17.26946371	12.00215253	0	0	0.007712494	11.32262685	1468.088935
LOC785630	7.31913E-13	2.33221067	2.42269301	2.964224838	1.679297718	2.184549416	0.011115868	0.022567533	0.1152794	0.010980588	0.007061771	2.31659513	0.033401032	-69.35699309
LOC785663	5.00271E-07	0.134683605	0.135199095	0	0.017926295	0	5.090535991	5.310523424	4.215661146	7.117380777	6.741549143	0.057561799	5.695130096	98.93940411
LOC785705	0.000367738	0.093670227	0	0	0.056103493	0	6.617794439	1.094744813	1.936682967	7.263617756	15.64897239	0.029954744	6.512362474	217.406715
LOC785745	3.46228E-08	0.251529649	0	1.098661805	1.205223249	0.682568764	89.51092201	30.64396884	15.81822558	112.2607257	110.942817	0.647596693	71.83533182	110.9260325
LOC785843	8.47029E-08	0.025587031	0.057791166	0.055881073	0.061301092	0	3.88325419	4.6215478	2.711257209	10.18522822	12.76025444	0.040112072	6.832308373	170.3304763
LOC785891	0.006342283	0.00915426	0.008270368	0	0.015352165	0	0.095814489	0.171180608	0.184537586	0.785581952	0.362174948	0.006555359	0.319857916	48.79335206
LOC785951	1.08946E-16	0.207753102	0.187693434	0.81670435	0.149319695	0	155.6927785	57.83189838	114.3652532	37.80509489	38.88696952	0.272294116	80.91639889	297.1654328
LOC785968	0.020950848	0.359286409	0	0	0	0	463.2285601	159.1478564	333.7734158	0	0	0.071857282	191.2299665	2661.246874
LOC785995	1.97651E-08	0.056540533	0.021283851	0	0.033864778	0.051144139	1.824686702	2.803401623	2.87380722	4.530558571	3.367947405	0.03256666	3.080080304	94.57771473
LOC786054	1.08306E-05	0.044138379	0	0.096396492	0.079309638	0	1.501438935	3.376505953	3.650340164	4.449499337	5.83313065	0.043968902	3.762183008	85.56463421
LOC786055	4.7325E-10	0.032154454	0.005446832	0.015215215	0.019900771	0	10.75556392	3.556399196	7.699340609	0.418337679	0.714467443	0.014543454	4.628821769	318.2752666
LOC786199	9.0488E-08	0.005818417	0.008030944	0.003529776	0.005808205	0.00526309	0.277430447	0.184770765	0.192144143	0.155408741	0.123051246	0.005690086	0.186561068	32.78703557
LOC786256	1.34185E-07	0.046952201	0	0.239264126	0	0	6.961960601	6.917460252	7.806547129	13.83537592	6.972486589	0.057243266	8.498766098	148.4675275
LOC786258	0.04704682	0.11679652	0.158278791	0.357110636	0.055963932	0	9.413010821	11.81368786	10.38377624	9.056936319	0.077661913	0.137629976	8.149014631	59.20959133
LOC786273	3.80874E-08	0.040087258	0	0	0	0	21.18876577	7.58132291	5.698178073	1.554274664	4.931241411	0.008017452	8.190756565	1021.615962
LOC786295	4.79075E-17	0.024486154	0.027652357	0	0	0	52.53906919	10.77059176	13.60586066	22.27888252	22.26517444	0.010427702	24.29191571	2329.555919
LOC786352	4.16238E-06	2.982431954	0.643429962	0.906361699	0.682508446	0.782610678	0	0	0	0.03636343	0	1.199468548	0.007272686	-164.9278626
LOC786435	4.0123E-07	0.046805933	0	0	0	0	2.020843979	3.232458062	2.298378119	2.480189814	1.71175567	0.009361187	2.348725129	250.9003664
LOC786533	4.14417E-17	0.067074573	0	0.146488241	0.026782739	0.060672779	37.91050815	23.08987419	20.3397823	12.13629467	23.71240109	0.060203666	23.43777208	389.3080523
LOC786614	1.99519E-17	1.202958356	0.388145114	0.58978272	0.911663425	4.197128715	451.3470374	326.466563	205.4463038	120.9504713	180.9132751	1.457935666	257.0247301	176.293602
LOC786651	0.02674653	0.010562925	0.002982193	0	0.003163316	0	0.027639624	0.129062678	0.191094948	1.146736504	0.329233224	0.003341687	0.364753396	109.1524801
LOC786733	1.37703E-06	0	0	0	0	0	17.36431983	16.94865142	1.099391095	3.408608242	1.20213254	0	8.004620624	#DIV/0!
LOC786829	1.54722E-12	0	0	0.192566701	0	0	27.68633876	13.39648993	15.60967608	19.82831241	19.78738048	0.03851334	19.26163953	500.1290307
LOC786845	1.25616E-17	0.086948521	0	0.094946082	0	0.117974848	69.84712106	27.62180309	42.47085225	23.37360454	46.39652145	0.05997389	41.94198048	699.3373347
LOC787045	7.95975E-13	0.038133767	0.043064686	0.124923982	0.045680204	0	12.57268967	10.25059026	4.090013908	27.89499607	31.06161159	0.050360528	17.1739803	341.0206561
LOC787192	7.08463E-10	0.044769679	0.016852887	0.097775226	0.017876441	0.08099346	10.11370845	5.660432085	4.705324002	2.160135086	4.304080633	0.051653538	5.388736052	104.3246254
LOC787196	7.92982E-06	0	0	0	0	0	8.028069057	7.450814382	16.59471207	0.339872896	1.238603306	0	6.730414341	#DIV/0!
LOC787210	2.39678E-08	0.013376695	0	0	0	0	3.150208417	2.444533127	1.693994107	1.313900847	3.291006554	0.002675339	2.37872861	889.1316292
LOC787237	6.51252E-07	0.07235342	0.046690937	0	0.111435061	0	5.246995461	4.195106817	4.033712519	2.190811585	3.298985761	0.046095883	3.793122428	82.28766096
LOC787257	3.20023E-13	0.033986392	0.044138186	0.033401228	0.048854507	0.004611395	2.587891084	1.791040406	2.173938459	2.486117547	1.692076858	0.032998342	2.146212871	65.0400221
LOC787484	5.66153E-13	0.23607252	0.088866025	0	0.03142109	0.284721421	83.04934926	28.25917771	45.89428089	14.23811106	17.0925628	0.128216211	37.70669634	294.0868082
LOC787497	0.000479078	1.048866517	0.445926056	0.107796866	0.532135363	1.339425345	21.18132251	21.71102202	15.14822964	7.017042909	7.199902306	0.694830029	14.45150388	20.79861731
LOC787624	0.003876462	1.384340083	1.806530085	0.772632489	0.902848101	0.876550223	0	0	0	0	0	1.148580196	0	#DIV/0!
LOC787679	0.002561691	0	0	0.257042929	0.80564013	0.182507196	21.02996788	15.61323323	19.07630555	4.519873394	5.450239386	0.249038051	13.13792389	52.75468482
LOC787812	0.000541123	0.954860735	0.846786596	1.266579548	0.708748461	0.254348768	0.03065705	0.024896085	0	0	0	0.806264821	0.011110627	-72.56699532
LOC788013	1.26441E-17	0.049982383	0	0	0.029936794	0	167.669057	25.25143828	40.7552252	12.91954189	7.851758961	0.015983835	50.88940427	3183.804322
LOC788043	0.014608708	0.282065789	0.039817318	0.051335053	0.084471216	0.063786151	1.230118931	4.120707164	2.612189018	2.369539384	1.660643043	0.104295105	2.398639508	22.99858174
LOC788115	1.98208E-07	0.113308479	0	0	0	0	20.30957897	5.778595407	5.563947031	4.686110761	7.958061954	0.022661696	8.859258824	390.9353859
LOC788183	0.0347864	2.525704614	7.118543151	1.885825627	2.327327652	8.728511523	0.225945983	0.091743505	0.055790939	0	0	4.517182513	0.074696085	-60.47415329
LOC788281	0.001860736	0.545589823	0.047395213	0.183314893	0.025136872	0	8.675568386	2.541653853	2.494696509	41.65664493	22.60404224	0.16028736	15.59452118	97.29102243
LOC788293	2.27597E-11	0.048887757	0.047322197	0.004357916	0.009561199	0	1.696935473	3.606259569	2.820904157	2.46026883	2.671885025	0.022025814	2.651250611	120.3701543
LOC788379	6.27697E-07	0	0	0	0	0.150784421	4.071038569	3.542167858	5.887759738	11.48998312	5.634394797	0.030156884	6.125068816	203.1068184
LOC788672	0.000881124	0.283015076	0.012784423	0.098895015	0.094926163	0	3.199199	0.769782752	1.433615266	36.92827937	28.77366871	0.097924135	14.22090902	145.2237383
LOC788745	7.56127E-25	0.156507337	0.044186163	0.085451474	0.093739586	0.159266045	32.96693108	37.78828948	29.6284755	34.28503243	31.05748457	0.107830121	33.14524261	307.3838955
LOC788748	0.000500515	0	0	0	0	0	11.8465856	1.834401536	2.181488398	13.68587264	0.031889774	0	5.91604759	#DIV/0!
LOC788801	6.2309E-10	0.106347001	0.048039316	0.278709223	0.254784832	0	104.2972287	18.80170397	12.58802804	11.10546556	14.00130841	0.137576075	32.15874694	233.7524678
LOC789119	0.004048398	0.005451026	0.001894115	0.001831512	0.000502288	0	0.103136093	0.122068635	0.040096234	0.062862701	0.054368541	0.001935788	0.076506441	39.52211107
LOC789192	2.28622E-07	0	0	0	0.030988293	0.035099955	6.15982902	2.253781551	2.507134135	3.677665051	1.333089208	0.01321765	3.186299793	241.0640245
LOC789264	9.51296E-16	0.167686433	0.084164119	0.040691178	0.133913694	0.556167141	104.1368897	36.66190587	58.40946007	17.8191628	23.50798383	0.196524513	48.10708045	244.7892108
LOC789374	1.07451E-25	3.54044082	4.237387596	3.7504706	5.465830406	5.602932322	0	0	0	0	0	4.519412349	0	#DIV/0!
LOC789494	2.71891E-14	0.067678849	0.015286024	0.073903977	0.048643245	0.073463257	20.75527586	10.54157664	7.153906233	4.933239778	3.76891167	0.05579507	9.430582037	169.0217792

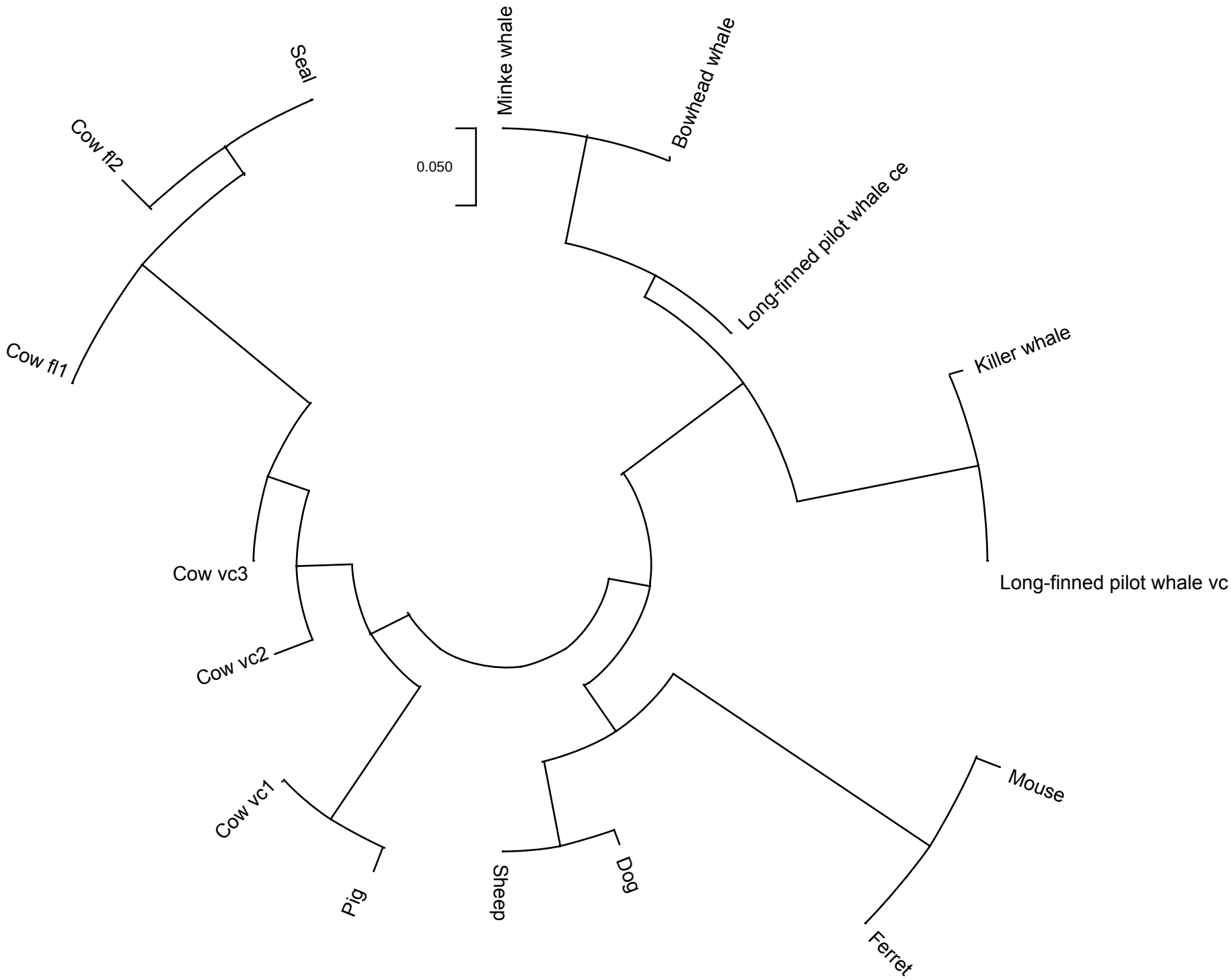
LOC789606	1.73283E-05	0.207237302	0.058508574	0.792046763	0.496496566	0.984154319	4.744865643	8.311961523	13.45677447	72.3155765	70.66505708	0.507688705	33.89884704	66.77093015
LOC789808	1.62784E-07	0.23980963	0.128282407	0.220519932	0.272147185	0.342507624	10.30423011	17.48675591	5.121293244	5.219911685	6.609091464	0.240653356	8.948256483	37.1831777
LOC789867	1.41664E-43	0.188768118	0.097851709	0.35143661	0.259486743	0.092373781	223.3754705	75.77931856	164.3529909	99.49002015	179.8563155	0.197983392	148.5708231	750.4206357
LOC790009	3.2137E-07	3.380698326	3.446718085	3.657297623	3.29589222	3.092820888	0.109776436	0.118863513	0.135530855	0.289174556	0.360321208	3.374685428	0.202733314	-16.64593433
LOC790218	0.030198966	0.186874432	0.105519194	0.699645328	0.799484742	0.326002992	2.375082508	5.219012163	5.416122493	7.452564742	9.208484022	0.423505338	5.934253186	14.01222761
LOC790266	5.04405E-19	0.228165594	0.016104296	0.311440451	0.307482924	0.1547916	24.62759746	20.21178372	35.82312042	26.39206373	27.92503043	0.203596973	26.99591915	132.5948944
LOC790312	0.007345497	0.324741449	0.203740231	0.748623862	0.043222864	0.146873586	5.759343572	5.597146957	3.263850317	15.66876084	21.59314527	0.293440398	10.37644939	35.3613526
LOC790871	0.005327734	0.023713233	0.004463249	0.008631462	0.009468645	0	0.103415933	0.23515065	0.204285004	1.328045713	2.581964448	0.009255318	0.890572349	96.22277426
LOC790883	1.51256E-17	0.030488442	0.034430776	0	0.10956575	0.496413647	333.9507304	103.9173912	201.7168493	96.14467204	15.35663479	0.134179723	150.2172555	1119.522773
LRRC2	5.42631E-06	0.031967456	0.024614342	0.063468793	0.012184333	0.019715719	0.623558469	0.373610783	2.065451781	0.450709589	1.328514434	0.030390129	0.968369011	31.86459071
LRRC27	3.58542E-06	2.363157144	2.809186493	2.639723569	4.844087419	3.669420442	0.200278151	0.054214195	0.041210831	0.412168269	0.493032484	3.265115013	0.240180786	-13.59440557
LRRC36	0.030451934	0.029170407	0.01098077	0.233592431	0.273720562	0.079158894	2.900507713	2.717037446	2.512975245	2.060939503	1.438564814	0.125324613	2.326004944	18.55984145
LRRC39	5.52801E-07	0.177079849	0.094106968	0	0	0	4.251995121	5.511479594	3.392014822	2.800165603	0.502153404	0.054237364	3.291561709	60.68808467
LRRC4C_2	0.010919888	0.156622004	0.121102151	0.025736977	0.012260252	0.010490343	0.005258193	0.004993836	0.007878193	0.007395134	0.005718421	0.065242345	0.006248755	-10.44085434
LRRC55	0.00965994	2.164548777	4.170992001	2.363644877	3.884529888	0.524063079	0.042110755	0.341974503	0.041592217	0.083196536	0.026752433	2.621555724	0.107125289	-24.47186611
LRRC63	7.29033E-06	0.755622705	0.578061672	0.372637186	0.59857075	0.330727673	0.063780988	0.025897745	0.047246707	0	0	0.527123997	0.027385088	-19.24857787
LRRC69	0.002148885	0.153554369	0.193418674	0.870637657	0.293599458	0.200334648	0.030907705	0.025099638	0.015263559	0.061063118	0.009817638	0.342308961	0.028430332	-12.04027325
LRRC75A	0.002120272	3.894259394	2.777103053	2.439655457	3.150207648	5.810151629	0.081194963	0.23077982	0.200487885	0	0.644776729	3.614275436	0.231447879	-15.61593672
LRRN4CL	0.041309052	85.64858509	75.76337669	78.31163548	118.5481839	179.7557302	11.9219171	10.75107064	25.78658771	39.39303168	34.96297719	107.6055023	24.56311686	-4.38077557
LY6L	1.11304E-07	1.032471469	0.969534442	1.923998523	0.914150011	2.695198323	0	0	0.029003954	0	0.009327783	1.507070554	0.007666347	-196.5826077
LYNX1	0.002342194	37.79732499	30.09455544	41.92403249	60.80225316	47.24589996	8.024302835	14.45258339	3.409290762	6.044622019	5.660198613	43.57281321	7.518199523	-5.795644698
LYRM9	0.000107201	6.359873978	8.816615422	5.639978498	5.749626357	8.196937487	0.660107299	1.467117763	0.566192243	0.960950868	0.198643197	6.952606348	0.770602274	-9.022301881
M1AP	8.78271E-06	0	0	0	0	0	0	0	0.022357493	0.626100876	0.215707664	0	0.172833207	#DIV/0!
MAL	3.17876E-05	22.96863278	40.12637062	78.27920785	115.7076907	116.7185941	17.13075362	9.054199529	3.072032713	5.766807982	10.21416745	74.76009921	9.047592258	-8.262982799
MALSU1	0.00031906	4.832641192	4.397062028	2.876171554	3.292317167	20.10636704	8.390311198	3.820501617	3.137219748	4.55851068	3.198155479	7.100911797	4.620939744	-1.536681322
MAPK15	4.301E-07	1.129311582	0.936324224	2.179149166	3.027521779	1.799956033	0.059848685	0	0	0.044340245	0.014257919	1.814452557	0.02368937	-76.59353434
MARC2	9.29787E-09	13.71238329	11.72120086	7.473607188	9.049274001	12.06780793	0.295662019	0.54880515	0.584042661	2.211340326	0.724488533	10.80485465	0.872867738	-12.3785703
MARK4_1	6.21926E-05	521.368624	856.7937932	3.604498527	2.386098553	17.45169754	0	0	0	5.884264081	0.662244316	280.3209424	1.309301679	-214.0995821
MATN4	0.001707178	0.537273821	0.660282917	0.500414183	0.738243605	1.415102596	0	0.13431527	0	0	0.105073922	0.770263424	0.047877838	-16.08809941
MAVS	0.000313565	3.192783536	4.273479805	12.33385035	9.477043416	3.644523161	1.151725738	0.875342525	0.807947742	0.700128771	0.759818288	6.584336054	0.858992613	-7.665183561
MBP	0.000764657	318.6909688	832.4335771	3084.485382	4223.957418	2841.90954	352.0254383	216.2528941	98.99717686	165.1565301	344.5021009	2260.295377	235.3868281	-9.602471794
MCM8	0.007811502	0.403826972	0.403169473	0.38345317	0.46270958	0.269992921	2.909697023	2.126625302	2.843616694	1.633804704	1.206385497	0.384630423	2.144025844	5.574249241
MED9	4.21538E-05	16.53503527	15.12236738	10.85195397	16.2089616	12.87460047	0.587662198	0.835153877	0.906915487	1.741531073	2.2400064	14.31858374	1.262253807	-11.34366453
MEG3	0.019150359	36.09163934	39.28908504	31.37114377	13.69842332	17.57919721	5.580171705	7.951036638	6.765515905	8.265728721	3.635778902	27.60589774	6.439646374	-4.286865479
MEG8	4.59606E-11	0.949495052	1.502462589	0.88259623	0.525323442	0.742614746	0.024273492	0.064541241	0.097445133	0.061878927	0.03457209	0.920498412	0.056542177	-16.27985455
MFSD9	1.23777E-05	6.641089928	6.702822256	4.923335516	4.141875625	6.737483298	0.557993121	0.043155906	0	0.131238655	0.135042289	5.829321325	0.173485994	-33.60110621
MGAM	7.281E-34	0.048314399	0.024249659	0.041034294	0.016076533	0.029135421	1.741821684	1.693983434	2.476505319	1.526359769	2.378206023	0.031762061	1.963375246	61.81510843
MGARP	0.00219882	1.102930118	1.964804051	2.476608469	3.163420272	3.667466247	0.243887103	1.056302386	0.521915235	8.030633361	5.448667346	2.475045831	3.060281086	1.23645431
MGMT	0.003276577	2.524712802	1.997024068	3.931834116	4.60669185	4.307319923	0.222998304	0.316913184	0.24778392	0.330426627	0.106251013	3.473516552	0.24487461	-14.18487836
MICAL1	5.30626E-05	1.252058698	1.03983623	1.383183388	2.025066854	0.793231664	29.37121945	10.94246556	6.534703671	6.573432753	9.159512552	1.298675366	12.5162668	9.637717878
MOK	0.001864898	0.525934262	0.886543741	0.958590814	0.998293295	0.797560015	0.060714405	0.045196404	0.059966787	0.479804093	0.151070132	0.833384425	0.159350364	-5.229887174
MPP7	0.011367577	1.40942544	2.115759631	1.914446684	0.713770612	0.450881299	6.74632797	9.057921859	15.82893439	14.77977069	12.75280642	1.320856733	11.83315226	8.958694737
MPPE1	0.024596085	8.771151441	8.677853079	14.05866507	14.16060718	21.40124082	2.337005221	2.775148409	4.420474528	1.69875457	3.347510686	13.41390352	2.915778683	-4.60045325
MRLN	9.5087E-05	0.88325923	0	0	0	0	0.486566845	0.395132916	16.21942024	0.720968	3.322930286	0.176651846	4.229003657	23.93976488
MROH5	2.87561E-09	0.248823504	0.448400804	0.092497155	0.177570125	0.136481685	0	0	0	0.013684335	0	0.220754655	0.002736867	-80.65962047
MS4A1	4.27874E-06	1.516069118	1.338555374	1.484949289	1.089653896	0.797888601	0	0.058574009	0	0	0.015274016	1.245423255	0.014769605	-84.32339646
MS4A7	4.43875E-10	0.875792353	1.40418893	1.912696199	1.554231478	2.435294274	0	0	0	0	0	1.636440647	0	#DIV/0!
MSANTD1	1.26523E-05	1.081554769	1.156743442	2.167549577	4.43548285	1.778255028	0.299653971	0.797627726	0.032884903	0	0.126910932	2.123917133	0.251415506	-8.447836664
MSH4	0.027272937	0.40782144	0.615396947	0.29944807	0.231629078	0.400699297	0.036797642	0.074706897	0.408875938	0.418022879	0.163639554	0.390998966	0.220408582	-1.773973422
MSLN	3.12032E-14	3.484295462	3.890121183	8.099574682	10.19739137	6.59001035	0	0	0	0	0	6.452278608	0	#DIV/0!
MTHFS	3.65967E-07	9.123413495	11.12737409	10.76931559	13.50916271	18.74357549	1.211113302	0.794385702	0.80513464	1.380431621	0.621442534	12.65456827	0.96250156	-13.1475821
MUSK	1.54666E-16	2.641135139	5.108920831	15.53475546	27.31394669	5.064459896	0.06181541	0.030119566	0.018316271	0.134338859	0.023562331	11.1326436	0.053630487	-207.5805037
MYL7	1.67491E-06	0	0	0	0	0	0.884136455	1.256487129	7.859245309	2.620129583	4.540252853	0	3.432050266	#DIV/0!
MYMK	4.02688E-08	0.487795585	0.562735304	0.57363732	0.960094729	0.655748952	0	0.009568071	0.023274091	0.023277477	0.034930173	0.648002378	0.018209962	-35.58504762

MYO1H	0.035539942	0.101925496	0.100091354	0.116139804	0.058393702	0.048103006	0.417450931	0.433173084	2.851814794	2.97823182	3.020348413	0.084930672	1.940203808	22.84455966
MYO7B	5.62338E-09	0.027820092	0.010472464	0.02531583	0.011108505	0	6.406033005	0.226612459	1.162374358	0.503369338	0.03083085	0.014943378	1.665844002	111.4770684
MZF1	1.91949E-06	4.961226291	5.769632015	7.736739543	8.072394564	3.632182465	0.331451785	0.322999839	0.240071621	0.80763112	1.130043696	6.034434976	0.566439612	-10.6532715
NADSYN1	0.00116853	3.523724487	3.095481335	5.340755316	6.796329562	5.013561781	1.336035449	1.291973679	1.519257816	1.19821761	0.971614295	4.753970496	1.26341977	-3.762779885
NAP1L3	3.28355E-07	5.865193355	11.23934424	6.404676288	9.045513043	3.077872643	47.85985845	57.71305354	66.25796257	95.18869636	79.01841946	7.126519913	69.20759808	9.711275478
NAT8L	0.000726831	17.94401221	26.56334725	39.32503385	50.79073046	32.82894046	3.666646729	7.162838476	1.901285821	3.823247232	8.786918371	33.49041285	5.068187326	-6.607966655
NAV1	0.000698061	11.32994207	9.840584561	14.13246975	21.32908031	12.90365148	4.442861863	3.697534564	1.349901944	2.466750283	1.658966029	13.90714564	2.723202937	-5.106907549
NBDY	4.18926E-05	5.246125943	5.966899389	4.056096618	4.379513458	8.403584382	0.021841445	0.026605616	0.021572496	0.064726905	0.069377976	5.610443958	0.040824888	-137.4270517
NCAPD3	0.002344817	3.602101816	3.46007695	4.770813875	4.65203984	3.455586936	0.75477554	1.068908917	0.927306222	0.58192385	0.836200179	3.988123883	0.833822942	-4.782938541
NCR3	0.000375544	0.968086622	1.180727147	1.014846368	1.190589381	3.327620459	0	0.301713175	0.133438122	0	0.085828424	1.536373995	0.104195944	-14.74504605
NDUFA4L2	0.017719274	0.904194847	0.616922149	3.332350349	2.233954427	5.214085966	104.5957666	14.25014958	34.95523361	13.04925565	15.71964371	2.460301547	36.51400982	14.84127418
NEU4	1.03742E-07	0.39074873	0.553940736	2.469354672	3.794399178	1.331094701	0	0	0.02148655	0	0	1.707907603	0.00429731	-397.4364402
NKD2	4.67471E-08	33.84146193	39.12457156	39.7902942	54.36584561	51.30377316	1.387766233	1.441874142	1.128793415	1.007997896	7.480893468	43.68518929	2.489465031	-17.54802287
NOBOX	2.65519E-13	0.986390781	1.20305182	2.843595259	2.847635323	2.168159604	0	0.010480154	0	0	0	2.009766557	0.002096031	-958.8440461
NPC1L1	0.000426979	0	0	0.010602742	0.014538904	0	0.127034384	0.221799438	0.125470122	1.217237258	1.585820739	0.005028329	0.655472388	130.3559
NQO1	2.28192E-21	23.15736501	16.59922994	11.56606892	18.34163074	48.83604262	0	0.052099771	0.031682844	0	0	23.70006745	0.016756523	-1414.378597
NRIP1	0.004905359	0.010229238	0.017327907	0.011170127	0	0.006939697	0.120449145	0.173892917	0.310633373	0.727120051	0.40385464	0.009133394	0.347190025	38.01325489
NT5DC3	0.000240766	23.05413151	20.39851776	16.85055113	16.11621481	14.12599224	3.454497085	4.546373629	3.292241625	4.699610329	2.825064338	18.10908149	3.763557401	-4.811692651
NWD1	1.26768E-07	5.988908711	4.118090839	12.25667603	10.41235334	5.92734237	0.055155164	0.397516574	0.503903009	0.149830798	0.078838609	7.740674257	0.237048831	-32.65434478
NXF2	2.2598E-05	0	0.037739071	0	0.030023355	0	1.093043846	4.012145883	5.225188737	0.259137964	1.722104565	0.013552485	2.462324199	181.6880194
ODF3L2	0.01676493	0.562148803	1.201142214	3.31342449	3.734279018	2.972966173	0	0.040722882	0.148586072	0.049535897	0.10619078	2.35679214	0.069007126	-34.15288063
OOSP2	0.021928482	0.532298522	5.488558452	0	0.097031734	0.408223504	0	0	0	0	0	1.305222442	0	#DIV/0!
OTOF	0.000147196	12.33467159	11.65106926	2.531618315	4.624503348	6.912063526	0.269020125	0.841097219	0.013285375	0.053149231	0.08545255	7.610785209	0.2524009	-30.15355814
OTOS	1.10692E-09	11.97573017	3.051435168	9.762413479	10.0299692	50.78408596	0	0	0	0	0	17.1207268	0	#DIV/0!
OXTR	8.10378E-12	0.52031463	0.447690934	0.721490015	1.1377364	0.291357409	0	0	0	0	0	0.623717878	0	#DIV/0!
P3H2	0.049660588	7.220766388	8.815625582	4.2997343	3.678533876	7.974984355	1.622087757	1.54901281	1.216419799	3.560771051	1.498029953	6.3979289	1.889264274	-3.386465826
PAICS	0.001575351	15.87528184	21.78496203	13.89675825	21.78193623	19.80460192	3.550886611	3.449302034	2.399637238	7.048910991	1.527274891	18.62870805	3.595202353	-5.181546468
PANX1	0	28.11642367	26.75795753	15.05322486	20.90828129	25.92120833	1.244941085	2.229376103	0.796094479	0.662194707	1.140714529	23.35141914	1.214664181	-19.22458858
PAQR4	0.022479201	3.424035335	5.004692031	10.45284197	13.16545244	8.177714063	0.878865895	0.376681603	0.241123283	1.061096801	1.132174124	8.044947167	0.737988341	-10.90118464
PASD1	0.005026465	0	0	0.177561504	0.194783555	0	0	0	0	0	0	0.074469012	0	#DIV/0!
PBLD	0.001575888	0.401887317	0.86342898	0.685038954	0.810191829	1.67578469	17.90291723	11.78923188	15.88382008	27.97175222	4.138780093	0.887266354	15.5373003	17.51142735
PDLIM1	0.043876973	0.639960461	0.17699047	0.570468809	0.67273472	1.098692049	8.133584012	8.797615144	5.198101528	6.886798643	5.992172893	0.631769302	7.001654444	11.08261263
PDXK	0.010290368	45.785705	40.40475147	99.45785349	110.7189419	57.97839386	27.61630405	8.883724639	7.910866805	6.710479243	10.81816914	70.86912914	12.38790877	-5.720830725
PEG3	0.021009786	21.6008121	23.84016916	38.53399042	41.48897647	15.87106498	2.113306317	4.052495182	4.437670455	7.894238107	10.66994285	28.26700263	5.833530583	-4.845608029
PGPEP1L	0.029434196	0	0	0	0.036111558	0	0.946579479	0.60855543	0.1558206	0.15584327	1.453262579	0.007222312	0.664012272	91.9390229
PHKA2	0.002729699	4.937903428	4.366899003	3.828342829	3.464480556	4.06022963	12.74239792	13.04141169	40.91839967	32.45331252	20.71114845	4.131571089	23.97333405	5.802474055
PKD1L3	6.19217E-06	0.071364967	0.049251201	0.051952764	0.19947119	0.04303579	0	0.008424831	0.133205725	0.88133531	0.092269632	0.083015182	0.2230471	2.68682298
PLBD1	5.95908E-07	0.301173659	0	0.118057957	0.055503702	0.083824234	0.242483148	1.936346256	0.898114827	0.19961011	0.295255778	0.11171191	0.714362024	6.394680932
PLEKHG7	0.02297388	0.054437335	0.0307382	0.118889007	0.073361415	0	0	0	0	0.017588833	0.01696744	0.055485191	0.006911255	-8.028237294
PM20D1	0.048217558	0.647616568	0.429062875	1.074920607	1.024024167	0.679535125	7.908109405	7.137644664	9.774572499	3.392582601	1.478468592	0.771031868	5.938275552	7.701725176
PNLDC1	0.003536573	0.659524514	0.623334561	3.505120284	2.349776631	0.737400588	0.059253355	0.012029668	0.138993854	0.058532243	0.159982371	1.575031315	0.085758298	-18.36593483
PNMA5	0.048631505	0	0	0	0	0	0.236977704	0.312724243	0.058514909	2.516507152	0.432828241	0	0.71151045	#DIV/0!
PODN	2.51121E-11	3.808996156	4.074683557	14.41149512	31.57403239	8.065189618	0.564529328	0.213414035	0.259562122	0.634577499	0.457573104	12.38687937	0.425931218	-29.08187721
POMK	0.004838523	9.631485635	8.738068843	7.46031788	9.759641825	10.83966921	1.171364626	2.370797497	1.806607577	1.958184691	0.686910654	9.28583668	1.598773009	-5.808101981
POPDC3	0.00013501	0.021953104	0.024791769	0.934922027	0.184082413	0.059573506	0	1.026283273	3.177246691	1.92932329	8.11977773	0.245064564	2.850526197	11.63173555
PPL	0.002119412	0.478329577	0.067926875	0.362813639	0.343106613	0.03109052	3.492565976	1.15032671	6.60301971	3.094690359	20.23092253	0.256653445	6.914305057	26.94023867
PPP1R14C	0.044687284	0.40750967	0.200088283	0.251517545	0.191016515	0.048080315	3.662563069	2.974307111	6.227531975	1.053338782	2.385686062	0.219642466	3.2606854	14.84542339
PPP6R1	4.34911E-05	1.239662077	1.329959744	2.504320417	2.672970373	0.168201764	0.486566845	0.460988402	0.32038361	1.121505778	1.133402578	1.583022875	0.704569443	-2.24679468
PRELID3A	6.1255E-11	4.01841487	5.033840024	6.994845414	6.266638779	2.915985976	0.07009894	0.15496575	0.219246585	0.40778104	0.227612981	5.045945013	0.215941059	-23.36723285
PRKAR1B	0.004733013	99.26914584	89.60108287	85.49040376	123.6593828	91.31930459	34.5234139	21.45418722	13.82064831	12.252405	33.25401757	97.86786397	23.0609344	-4.243881114
PRR18	3.47832E-05	8.084864699	16.73636518	40.34240735	67.32342723	38.2058969	4.270315402	4.583189196	1.73268994	3.420280319	3.270117375	34.13859227	3.455318446	-9.880013319
PRR19	0.014766437	0.73629887	1.247259923	1.573589726	1.2222109	2.71167055	0.055047047	0	0	0.244697064	0.017485348	1.498205994	0.063445892	-23.61391651
PRSS55	1.61065E-13	0.068920662	0.019458127	0	0.165119271	0.327299028	9.107281434	5.345532093	17.72309221	61.10457352	107.3512792	0.116159418	40.12635169	345.4420875
PRTFDC1	0.015873098	2.184028943	2.116941572	2.046973155	2.690379078	5.182895023	27.11670929	25.59099539	30.89620245	16.09030404	18.90255872	2.844243554	23.71935398	8.339424358

PSKH2	0.014230096	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
PSTPIP2	0.003761024	1.737560264	0.633231846	0.529150298	0.572181181	0.864134236	9.310590184	10.53241134	15.8334808	6.012230016	4.05067136	0.867251565	9.147876741	10.54812365
PTH	0.007905649	0	0	0	0.093935285	0	9.438787306	31.74344415	2.533304638	0	0.130355279	0.018787057	8.769178274	466.7670045
PTPN18	0.000223856	4.649611519	5.195151229	2.659786485	3.780099871	11.2928783	0.567682609	0.05238701	0.331318204	0.178428065	0.491784025	5.51550548	0.324319983	-17.00636955
PTPRCAP	1.07108E-07	0.412313512	0.977818921	4.952621088	5.605853617	1.286715797	0	0	0	0	0.137080523	2.647064587	0.027416105	-96.55144733
PTS	4.98851E-09	9.418896111	8.210592384	4.692062738	5.880028576	22.54821097	3.350676225	1.904720262	2.169506739	2.500812234	2.270551942	10.14995816	2.43925348	-4.161092006
PTTG1IP	0.003916088	20.28301894	18.50078335	25.57427049	28.29336581	35.49317358	6.775384183	4.373525976	4.43985426	8.194546289	7.256635847	25.62892243	6.207989311	-4.128377345
PVR	0.009647066	10.24627032	11.07622103	9.636533269	11.13878146	16.15262065	0.371945138	0.830638921	0.795957766	1.469674283	2.441684681	11.65008535	1.181980158	-9.856413636
PWWP2B_1	5.6716E-07	0.374935908	0.769849656	1.191047764	2.531479201	0.184991413	0	0	0	0	0	1.010460788	0	#DIV/0!
RABL2B	2.46273E-07	33.5338696	35.52540457	27.64396529	29.32812233	60.44158577	5.307371001	3.720449154	4.450769758	7.56740941	9.335808641	37.29458951	6.076361593	-6.137651445
RAMP1	1.47351E-09	13.89827984	11.17300274	22.35574245	35.19563384	48.46627376	4.034565671	1.774718993	0.276728146	2.878391438	1.388350603	26.21778653	2.07055097	-12.66222706
RASA3	3.65285E-05	15.93176857	15.77569122	14.67754725	11.45190113	20.65692109	3.245787496	4.447997781	4.783684376	3.331531869	4.003195133	15.69876585	3.962439331	-3.961894313
RECQL4	0.001453415	0.062315326	0.108266248	0.188438166	0.183746815	0.143087412	2.107214451	0.570411377	2.031712906	3.023232158	6.095806085	0.137170793	2.765675395	20.16227603
REG4	0.042349314	3.534282621	0.697506293	2.572911608	0	3.103844969	0	0	0	0	0	1.981709098	0	#DIV/0!
RGS11	0.001549807	3.411770262	5.189911676	12.01119626	12.04808845	14.2527138	3.013368418	0.960546608	3.908083335	3.978200888	2.862586976	9.38273609	2.944557245	-3.186467543
RGS21	0.013789117	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
RGS9	0.030155637	3.51318438	4.269696593	7.811822577	5.684168336	7.262618111	0.355707768	1.281835848	2.547125789	2.569457545	2.9376967	5.708297999	1.93836473	-2.944903976
RHO	9.73319E-07	0.015362683	0	0.033551499	0.036805727	0	2.210943821	2.383079747	8.099612139	95.42254752	0.829981922	0.017143982	21.78923303	1270.955208
RHOV	0.00011752	0.133989635	0.100876851	0.170699733	0.133754463	0.121201271	2.804846685	3.725102647	3.607172775	1.443079033	2.580019262	0.132104391	2.83204408	21.43792547
RNASE10	1.40704E-09	4.515498772	3.737853367	6.443613519	3.964870527	3.261524749	0.039189196	0.071606025	0.009676658	0.019356132	0.217843525	4.384672187	0.071534307	-61.29467614
RNF135	1.67417E-06	5.446054889	4.015759045	5.439742428	6.47582641	11.43183825	0.628698311	0.323351841	0.310478359	0.041403137	0.14644818	6.561844204	0.290075966	-22.62112337
RNF17	0.007106869	0	0.007890386	0.015259192	0.016739212	0	0.40221411	0.89823649	2.212023555	0.090299812	0.360053112	0.007977758	0.792565416	99.34688693
RNF175	2.31963E-12	11.30635851	9.805365971	4.104335891	4.363550319	17.18707261	0	0	0	0	0	9.353336661	0	#DIV/0!
RNF207	0.001573413	1.52155743	1.874205015	1.02902254	1.254654478	7.215581507	0.015705737	0.057394666	0.09307405	0.51198175	0.024944143	2.579004194	0.140620069	-18.34022846
RP1L1	0.016081012	0	0	0	0.072437301	0	0	0	0	0.213891653	0.026453219	0.01448746	0.048068974	3.317971122
RPL10L	1.74714E-16	0.3170798	0.055089242	0.106536902	0.0876526	0	30.37946444	14.09752139	23.13440115	69.22416387	80.28022938	0.113271709	43.42315605	383.3539418
RPL15	0	204.8305046	194.3976544	153.9816287	145.9020477	367.4749738	15.557057	11.11067153	13.57635966	15.91507158	17.15344884	213.3173618	14.66252172	-14.54847712
RPL17	0.001202151	1.542125082	0.829300411	2.165104788	2.15518579	2.83969957	96.36496785	30.8968448	57.74280373	27.71298567	30.54868944	1.906283128	48.6532583	25.5225772
RPL39	7.27135E-09	83.01768314	87.51773556	48.34111941	45.73667713	434.7437975	0	0	0	0	0	139.8714026	0	#DIV/0!
RPS27P	0.000315935	0	0	0.233713432	0	2.177997196	191.5326717	31.49468261	47.29354976	48.40687332	39.22524028	0.482342126	71.59060354	148.4228719
RPS4Y1	1.71468E-05	15.45304024	17.99074492	13.70821536	18.41242816	34.91558769	573.2517156	156.5180404	232.3443015	114.9754232	112.6387955	20.09600327	237.9456552	11.84044668
RPS6KA1	0.008241588	1.420104383	1.689646399	5.217085923	4.131326069	2.670061051	7.90963483	4.181601058	56.94020514	27.29437267	70.65199771	3.025644765	33.39556228	11.03750271
RTBDN	0.002241518	0.138860484	0.039203989	0	0	0.376821696	4.451052336	4.462956902	3.902787585	3.589292323	1.990929903	0.110977234	3.67940381	33.1545821
RTL6	0.002911024	13.47511182	14.68536973	14.92236302	16.67366031	24.09931566	4.007338707	4.679250741	2.681599219	3.794605039	5.7770346	16.77116411	4.187965661	-4.004608792
RXRA	0.00108047	3.252244666	3.346866779	8.81584471	13.95235067	5.060367954	0.716430377	0.786217977	0.707608481	2.161388964	2.164986485	6.885534957	1.307326457	-5.266882591
S1PR5	1.80117E-05	3.495454785	5.289710591	10.66239008	11.67359254	9.676265734	0.635401004	0.285157167	0.181666991	0.495527513	0.966664892	8.159482745	0.512883513	-15.90903691
SAPCD2	3.98871E-07	1.660943104	1.822932954	5.535371114	7.247950532	2.146311173	0.169329733	0.084033819	0.03716548	0.037170887	0.191240975	3.682701775	0.103788179	-35.48286345
SCN11A	0.008775941	0.210738401	0.170498942	0.075562516	0.030142356	0.085354437	1.267469553	2.720269433	1.861535549	2.130101626	1.009123634	0.11445933	1.797699959	15.706015
SCNN1B	3.37099E-06	0.288469465	0.43721797	0.530531381	1.09122881	0.906413061	4.290599143	2.129309636	6.238933372	2.354657009	12.30379425	0.650772138	5.463458682	8.395348181
SCNN1D	0.025611601	0.38784046	0.491080254	0.829916691	1.013654597	0.882375084	0.041003964	0.024973983	0.030374291	0	0.058610931	0.720973417	0.030992634	-23.26273469
SDR16C5	0.006551269	0.748838934	1.285415637	0.719591357	1.291722525	1.137977482	7.994595905	8.560898086	7.702619821	16.1043017	14.63908489	1.036709187	11.00030008	10.61078672
SDSL	3.37715E-05	21.55871632	9.441683909	30.77732732	25.12707864	44.60368544	1.772844563	1.007788498	1.015588304	2.101522886	3.851829187	26.30169833	1.949914688	-13.48864055
SERF1A	0.004431456	1.757275365	2.067188891	1.279273524	2.587431848	7.053654078	56.51952879	28.70605975	34.06183639	23.46823452	41.32249624	2.948964741	36.81563114	12.48425613
SERHL2	0.000162124	0.139848869	0.018580252	0.107796866	0.128106662	0.044647512	9.385220134	12.6385418	3.295404342	1.020660787	4.772584815	0.087796032	6.222482376	70.87430075
SERPINB1	0.003599643	2.928851133	1.005910067	1.632095671	2.242516141	1.413422136	9.481013113	19.66548572	27.33195407	7.024221994	15.12066217	1.84455903	15.72466741	8.524892488
SERPINB6	0.000677634	13.03773348	10.30842333	11.21213689	13.90803734	9.690877162	0.442864986	0.131869231	0.145803896	1.545746152	2.016316966	11.63144164	0.856520246	-13.5798794
SH3RF3	0.006245017	3.509699471	3.278915404	2.595663368	3.80293279	6.374700395	0.605289568	0.355946874	0.061845127	0.247416498	0.364643216	3.912382285	0.327028257	-11.96343804
SHROOM2	0.000597504	3.597568632	4.214194736	4.847474958	5.176391567	3.413151928	0.435592034	1.041559276	0.723022546	1.099632263	1.287545228	4.249756364	0.917470269	-4.632037141
SIRT5	2.83449E-08	66.53891625	53.35397873	36.0602226	49.00593922	82.57958379	3.95900098	5.521480802	6.358408303	5.373126606	8.496675766	57.50772812	5.941738491	-9.678603022
SLC22A10	1.77531E-15	0	0.036928656	0	0.013057168	0	0	0.023162173	0	0	0.018119611	0.009997165	0.008256357	-1.210844571
SLC22A16	0.006332469	1.807287108	2.84053902	4.292919274	5.40118567	5.233027192	0.146259676	1.405505031	0.625987618	0.626078693	0.294236952	3.914991653	0.619613594	-6.318440541
SLC22A18	0.006726927	0.433682936	0.897894567	0.368334768	1.673964127	2.68065492	0	0.038398099	0.015567068	0.031138665	0.19024429	1.210906263	0.055069624	-21.98864218
SLC25A15	0.026859827	17.08943471	14.43098612	7.8165662	9.743412191	18.99321779	3.579604414	2.25344012	1.562209295	2.823350312	1.542494526	13.6147234	2.352219733	-5.788032133
SLC25A37_2	2.10806E-06	6.006646834	6.642194721	9.096091105	9.053603703	11.04294456	0.923419872	1.296691813	0.874047123	1.273253854	0.659966654	8.368296185	1.005475863	-8.322722098

SLC27A6	3.6684E-06	2.128815166	4.621182541	20.46960995	10.09412419	4.589429609	0.123786527	0.753937491	0.32093843	0	0.06881002	8.380632289	0.253494494	-33.06041155
SLC28A2	1.20567E-06	0.00558069	0	0.012188007	0.011141789	0.010096104	0.214174233	0.051387631	0.278844174	2.15414422	1.419376084	0.007801318	0.823585268	105.5700155
SLC29A3	0.002711286	4.960987292	4.119999649	9.401127827	14.52400824	8.315709107	1.454067041	1.300617609	0.603604369	1.165750431	0.388242962	8.264366423	0.982456482	-8.411941466
SLC36A2	0.001903121	0	0	0	0	0	0.609717758	2.946093374	5.570441451	0.361378501	0.135571107	0	1.924640438	#DIV/0!
SLC38A11	0.000189445	0	0	0.019024447	0	0	5.698428954	1.925081703	2.048686751	2.251631664	0.217208413	0.003804889	2.428207497	638.1808412
SLC38A4	0.047710997	0.319770387	0.071206478	0.137705972	0.134877102	0.073331129	0.730667046	0.401955355	5.051688901	3.189779126	4.829006603	0.147378213	2.840619406	19.27435093
SLC39A6	0.008982129	6.19310985	5.711007623	8.27337	6.908378855	2.75957557	17.83540437	27.78015698	37.98995537	32.70287402	29.00422434	5.96908838	29.06252302	4.86883778
SLC41A3	0.00320012	1.461270721	2.03699224	3.601358881	3.403647267	4.013598994	0.71693518	0.641510539	0.557306488	0.511485065	1.480244672	2.90337362	0.781496389	-3.715146559
SLC45A2	0.000242295	0.375128311	0.267073983	0.463063131	0.380982425	0.22129889	6.060218571	3.500434979	4.278435833	8.515958394	6.479896934	0.341509348	5.766988942	16.88676744
SLC47A1	0.000651464	14.17674927	0.065460982	0.325529424	0.148792994	0.089885599	0	0	0	0.0428088	0.027530943	2.961283654	0.014067948	-210.4986138
SLC49A3	2.8598E-10	0.871867358	0.879687985	2.387958991	1.793465139	1.832650381	0	0.007592927	0	0	0.01187979	1.553125971	0.003894543	-398.7953849
SLC5A1	0.033047672	0.016708968	0	0.036491733	0	0	0.131165261	0.568091452	1.273909651	0.475086268	1.694328685	0.01064014	0.828516263	77.86704395
SLC5A10	2.45824E-06	0.018412628	0	0	0	0	2.0717253	1.760665788	1.475178061	3.045971995	13.98782428	0.003682526	4.468273085	1213.371907
SLC6A20	0.022231601	5.520784499	0.794549968	2.09420651	1.974478531	1.016223224	0.074234519	0.162768499	0.175969004	0.645313553	0.29710961	2.280048546	0.271079037	-8.411010205
SLC9A3R1	0.0227589	18.04879217	13.83219001	40.44276045	52.57287006	36.24357134	4.911869195	6.80098589	4.196448884	10.33495558	8.862074297	32.22803681	7.021266769	-4.590060151
SLX4IP	0.030615843	9.629992278	7.308751987	5.563065329	7.240904755	5.818086133	0.668615664	1.094427458	0.980255336	3.116633494	0.822978542	7.112160096	1.336582099	-5.321154684
SMIM10L1	1.06896E-08	40.46467842	37.52291806	36.78455935	49.2247516	111.4706426	3.567495404	5.598898058	1.920145732	3.840850188	5.984274847	55.09351001	4.182332846	-13.17291379
SMIM33	1.96805E-10	0.028749913	0.016233722	0	0	0	1.429348297	1.084385052	2.424119499	2.025038069	2.580765124	0.008996727	1.908731208	212.1584009
SNHG3	0.004822754	3.355152743	3.171432667	2.624969747	2.401916962	7.636268241	0.119243558	0.242089321	0.61831996	0.471169462	0.151507864	3.837948072	0.320466033	-11.97614623
SNX29	0.00733507	4.182451146	5.474636391	17.93290932	39.18236827	3.704404467	1.500832253	2.023209893	2.709738505	1.577451445	2.471367921	14.09535392	2.056520003	-6.853983377
SORCS3	6.89137E-05	7.458527758	6.291168837	3.467738003	4.329099407	1.846638442	1.247443841	6.968656321	5.623863694	2.00739531	1.936476362	4.678634489	3.556767105	-1.315417724
SPACA9	0.00556207	0.183291967	0.384414994	1.129424846	7.990572727	2.025104678	0.274064838	0.097371548	0.067672523	0.033841184	1.27317896	2.342561842	0.349225811	-6.707871442
SPIN3	2.43357E-06	0	0	0.089458468	0.049067613	0	1.607739955	5.178955855	7.304536671	3.28222582	2.996039095	0.027705216	4.073899479	147.0444936
SRD5A1	1.85823E-15	21.65263474	21.85206584	14.74372763	24.51921961	36.33773253	1.061261435	0.667225489	0.388845938	0.439628926	1.359286364	23.82107607	0.78324963	-30.41313414
SRSF3	8.54483E-05	18.41300755	19.39453666	20.84663581	13.52169368	25.85035683	324.6494375	116.2692863	152.2195376	110.4027465	142.9686972	19.60524611	169.301941	8.635542757
SSLP1	4.73649E-07	4.77289839	6.121083105	3.430625341	3.711674049	9.392012359	0	0	0.200755079	0	0	5.485658649	0.040151016	-136.6256505
SSTR1_1	5.4747E-06	0.071154672	0.035713505	0.017266558	0	0	0	0.042000026	0	0	0.013142534	0.024826947	0.011028512	-2.251160192
STAB1	0.000137623	0.989687271	0.725039142	2.060199914	2.12120085	1.710788172	18.279373	5.619586868	13.53172973	10.28057838	9.670791546	1.52138307	11.4764119	7.543407135
STARD6	0.000170287	0.058807198	0.175084367	0.04670277	0.076848849	0.029015163	2.685882223	2.669649805	2.528458692	4.643091384	1.732968231	0.077291669	2.852010067	36.8993203
STRC	0.000545511	0	0	0.014251809	0.035176773	0.017708525	2.800379852	2.579210203	7.429131507	0.067470714	0.4393376	0.013427421	2.663105975	198.333387
STXBP4	0.01296489	3.567260843	3.829531695	4.376428084	3.924667633	2.179612992	0.611207795	0.609554815	0.598386123	1.302870822	0.739118411	3.575500249	0.772227593	-4.630112004
SULT1C4_2	0.001902563	3.607938223	3.14058987	3.505015438	6.831432843	2.26068437	0	0.026032893	0	0.348334615	0.010182677	3.869132149	0.076910037	-50.30724589
SYNE4	3.14258E-06	0.161904142	0.054851788	0.141436922	0.13576078	0.527225528	8.557704106	2.236247926	12.0089996	6.026298041	7.347486511	0.204235832	7.235347237	35.42643408
TBX1	1.15558E-06	0.008804913	0.029830321	0	0	0.04778728	4.515741798	1.029049859	0.955743511	1.228991865	2.61996998	0.017284503	2.069899403	119.7546389
TCEAL7	7.23822E-10	0	0	0	0	0	85.63576464	50.31359133	13.93668702	8.010755556	5.151829902	0	32.60972569	#DIV/0!
TCFL5	0.000105221	9.339079574	9.608979886	10.6374232	10.19257777	9.268499828	4.524583757	2.455623205	3.052990031	7.832722538	5.549605647	9.809312052	4.683105035	-2.094617135
TDRD5	2.09299E-05	0.005099343	0.103656922	0	0.024433886	0.138379404	0	0.021671694	0.052715848	1.502620247	0.144105761	0.054313911	0.34422271	6.337652793
TECTA	0.023289629	0.01586223	0.047768824	0.155891202	0.06017068	0.028696585	0.37355512	0.999957709	0.642255488	0.710683922	1.190969056	0.061677904	0.783484259	12.70283529
TEX22	3.33709E-13	1.166432911	0.902840781	5.610100939	5.086664485	1.280352295	0	0	0	0	0	2.809278282	0	#DIV/0!
TIMP4	0.002078769	0.909000777	1.461514416	1.144026293	0.516759654	1.588740859	8.143508419	6.416777037	25.60296074	12.82325474	15.80212883	1.1240084	13.75772595	12.23987824
TLE6	4.41764E-07	0.53231238	0.474141337	0.654957403	0.745426169	0.813814521	0.019618064	0.015931507	0.019376494	0.019379313	0.006231555	0.644130362	0.016107387	-39.98975017
TMEM102	0.000730681	0.018269339	0.020631671	0.039899521	0	0	1.768774609	0.465857096	0.637416904	0.188891746	142.1151823	0.015760106	29.03522454	1842.324168
TMEM179	1.01724E-06	25.60004486	24.12107033	28.16501087	34.44103499	44.5674106	3.637509974	6.227271045	1.711396468	2.524980536	4.840323907	31.37891433	3.788296386	-8.283120203
TMEM231	0.000109158	10.6122662	12.55860172	8.36483451	9.51524558	16.78980589	2.176754287	3.326725023	2.329112959	1.642562182	2.477632425	11.56815078	2.390557375	-4.839101918
TMEM254	0.001409799	18.16794796	16.19543029	18.43177562	22.35630294	45.27153988	2.179575162	5.343387385	4.122693608	4.30609953	1.737352244	24.08459934	3.537821586	-6.807748427
TMEM262	5.18661E-06	0.160978975	0.121196332	0	0	0	18.25320763	10.43320241	5.131172354	1.664406126	10.30262944	0.056435061	9.156923591	162.2559339
TMEM273	1.38276E-05	0.584775771	0.717320926	0.121106907	0.048310295	0.164160948	0	0	0	0	0.004190054	0.327134969	0.000838011	-390.3708669
TNFRSF19	0.000577583	6.490241926	5.471192439	10.87789341	10.41670291	7.943175959	0.728661519	0.437076259	0.498875338	0.703434771	2.761675962	8.239841329	1.025944769	-8.031466775
TNFSF9	2.4397E-15	11.04510635	18.1740295	31.51462579	48.13418742	70.24800725	0.263738379	0.107088796	0.80317993	0.086842896	0.530573967	35.82319126	0.358284793	-99.98524055
TNKS1BP1	0.001060578	4.199912423	3.645227475	6.56332141	8.056197055	2.282121124	1.009659845	0.919791162	0.645640696	1.048519597	2.002394764	4.949355897	1.125201213	-4.398640742
TOLLIP	0.004343558	27.56027485	25.12761638	47.01428875	59.24734462	24.8345438	8.637744245	8.984619136	4.501665289	6.644553251	11.73380316	36.75681368	8.100477016	-4.537611008
TPK1	3.3458E-08	2.445427144	2.335554306	2.914505621	3.649148169	4.815901836	1.023817735	0.772037975	0.6681214	2.925713893	0.882710855	3.232107415	1.254480372	-2.576451165
TPMT	3.38188E-16	41.64590626	34.03280842	24.03340295	32.17105528	36.88745037	1.241400088	2.388807399	1.039531333	1.652828708	2.245926241	33.75412466	1.713698754	-19.69665006
TPPP	4.37829E-08	78.9763251	84.53688525	98.34352468	159.3511654	88.24179145	13.54198161	10.53610249	3.640094223	2.7728007	8.09939092	101.8899384	7.718073988	-13.2014721

TPRKB	0.009845558	2.014434842	2.165190541	2.376550039	1.571217065	2.794777158	6.440570958	8.85018692	10.86436898	10.19624549	11.28962357	2.184433929	9.528199183	4.361861925
TRIM34	0.000747477	1.547337472	0.617117615	0.113062899	0.151591122	0.936572148	0	0	0	0	0	0.673136251	0	#DIV/0!
TRIM5	1.62712E-08	3.020801886	2.247133517	1.606028465	1.744527881	2.054256857	0	0	0	0	0	2.134549721	0	#DIV/0!
TRIM52	0.00147638	4.079526157	4.441959887	0.290212552	0.095508257	3.1853209	0	0	0	0.091594677	0.036816143	2.418505551	0.025682164	-94.17062974
TRO	0.012080306	0.041493246	0.017571962	0.067964718	0	0	2.714346937	0.231449024	0.107236933	3.968343796	9.45828165	0.025405985	3.295931668	129.7305199
TSLP	0.000250719	1.542521882	1.98646725	3.073297959	3.533469121	4.259333998	0	0	0	0.279799301	0	2.879018042	0.05595986	-51.44791347
TSNAX	0.001219542	6.972909515	7.424573309	4.919996723	4.222297142	6.300463371	30.67693778	41.74834782	49.23123563	44.99985554	32.17541629	5.968048012	39.76635861	6.663210237
TSPAN11	0.007034391	2.575114914	3.021458625	2.46881878	2.744872841	8.622500079	0.319779465	0.584297175	0.270721544	0.47383163	0.536901371	3.886553048	0.437106237	-8.891552483
TSPYL5	0.001653238	20.85854097	20.03950561	16.61630402	22.38532862	26.14166756	4.747400406	5.683437211	3.327636556	1.633804704	3.220270965	21.20826936	3.722509969	-5.697303576
TUBA1D	0.000468569	0.269397875	0.115898131	1.98919824	2.458743239	0.069624501	29.94247279	50.94866493	28.1812837	18.70183113	68.51785971	0.980572397	39.25842245	40.03623042
TUBB6	0.000188292	3.952667056	2.928542743	6.76126989	6.910728603	4.402097983	36.40905115	44.64208803	22.76331393	31.35947673	119.5060957	4.991061255	50.93600511	10.2054458
TUNAR	1.80369E-11	1.863332756	2.271689072	1.291273734	1.580793048	2.607847158	0.121733907	0.074512448	0.21624339	0.059228797	0.075027481	1.922987154	0.109349205	-17.58574433
TXK	6.92144E-05	0.03115435	0	0.02267996	0.012439868	0	0.326081844	0.132402846	0.214711051	0.590541294	0.43157436	0.013254835	0.339062279	25.58027075
TYMS	1.55591E-05	7.398528667	7.607561936	3.855621225	3.617408885	14.15172872	0.182349727	0.098722139	0.330191271	0.660478621	0.752989164	7.326169887	0.404946184	-18.09171235
UHRF2	7.75037E-05	7.081145248	6.09585698	6.524095917	4.760881878	4.624222429	28.57513533	21.49424691	62.95856984	40.28645533	27.90376438	5.81724049	36.24363436	6.230382673
UROC1	0.00333563	1.182892869	1.282591435	2.591974394	2.645657117	4.116455718	0	0.091858688	0.060939255	0.162528324	0.261310644	2.363914306	0.115327382	-20.49742447
UST	0.013683361	5.318366013	4.739723474	6.633203445	4.582397776	6.833605533	19.75119414	27.5859666	32.60714845	152.8071711	25.63860618	5.621459248	51.67801729	9.192989757
UTP6	3.37407E-06	50.50302191	51.57630799	33.07448022	37.66159848	39.08378417	10.37034127	7.762911934	6.551858981	5.093452286	5.944054708	42.37983855	7.144523836	-5.931793291
UVSSA	0	8.033370159	7.312830262	12.16135923	9.693623548	5.364256542	0.516343839	0.327359427	0.612877605	0.957480943	0.860350845	8.513087948	0.654882532	-12.99941216
VILL	1.30059E-06	0.021225331	0.035954836	0.030903528	0.042376155	0.115197139	3.239807488	3.698426233	2.239939467	1.62762136	1.334895507	0.049131398	2.428138011	49.42130942
VTN	9.99613E-06	0.035017179	0	0.050984099	0.027964575	0	0.305427292	2.331505224	5.972993871	11.46498937	1.920937745	0.022793171	4.3991707	193.0038948
VWA5A	6.99758E-33	21.49565228	15.13917051	26.43730902	29.89004429	9.836083073	0	0	0	0	0	20.55965184	0	#DIV/0!
VWCE	0.035624582	0.136093337	0.13524808	0.309111418	0.326050734	0.354540065	1.054087129	2.810941206	20.09055967	0.506558386	2.950072197	0.252208727	5.482443719	21.7377241
WDR27	6.4113E-07	1.487042648	1.064999815	1.567827609	1.466183268	1.802897679	0.023334877	0.085274411	0.080666386	0.242034367	0.088946123	1.477790204	0.104051233	-14.20252469
WDR62	6.50091E-07	0.624009175	0.519650818	0.897102599	0.801273478	0.511661442	0.93975382	1.092270732	1.618517342	0.533782292	1.361937679	0.670739503	1.109252373	1.653775227
WDR73	0.002209524	13.86274485	11.3610272	10.84580595	12.3527899	21.82049931	3.138806768	4.307764794	2.914147106	2.666522482	1.754759112	14.04857344	2.956400052	-4.751918954
WDR75	0.012733998	3.72494352	4.092488011	2.457591907	2.772986139	2.35568853	25.69534636	15.7623149	14.99233103	16.76346106	8.123789414	3.080739622	16.26744855	5.280371129
WIF1	8.58212E-05	0.273798713	0.25122702	0.803516363	0.696961295	0.04643748	4.164302844	27.89044339	12.80344859	32.51089414	11.16527108	0.414388174	17.70687201	42.73015764
WIPF3	0.000768563	6.858822839	5.249818485	4.552995834	7.586366495	9.805630401	2.402135669	1.2890318	0.752528944	0.752638429	1.196635633	6.810726811	1.278594095	-5.326731007
WNT4	0.006962494	6.942004582	5.847412366	5.580272464	9.119934452	16.79067465	1.334452377	1.404369608	1.492859787	0.914677791	1.020773213	8.856059702	1.233426555	-7.180046241
WWOX	0.047812357	0.749603956	0.769774032	1.433527773	1.302719508	0.827373188	0.406520536	0.817068355	0.416571575	0.391533858	0.726348885	1.016599691	0.551608642	-1.842972743
XDH	8.11706E-08	8.981629643	5.282816054	15.48453995	12.82995867	10.78469489	0	0.1383008	0.12615495	0.588808751	0.013523972	10.67272784	0.173357695	-61.56477721
XRCC3	9.69513E-09	1.258029005	1.647048238	3.29698329	3.882402472	2.048326246	0	0	0.033064112	0.132275691	0.049623212	2.42655785	0.042992603	-56.44128707
ZDBF2	9.95752E-08	0.018471483	0.026074942	0.020170498	0	0	0.3866693	0.61820279	1.760357078	3.879317204	2.966944794	0.012943385	1.922298233	148.5158856
ZDHHC22	6.61021E-05	36.06125479	41.57453183	31.82906026	45.89045671	45.81235497	3.569381994	8.440828896	1.114035802	3.018206925	2.66667816	40.23353171	3.761826355	-10.69521235
ZFP28	2.77684E-11	4.481719468	5.835207403	6.958891125	6.941815731	4.148098443	0.20656315	0.426991168	0.408039194	0.445198429	0.316137701	5.673146434	0.360585928	-15.73313318
ZFP92	0.001638963	0.018373599	0	0.046815091	0.018341351	0.033239938	0.208335975	0.22775067	0.910139155	1.234803175	1.211541045	0.023353996	0.758514004	32.47898205
ZNF232	1.13442E-08	0	0.014920407	0.245263463	0.031653184	0.143412267	8.850279517	5.993984269	8.809591383	8.05955833	6.643740404	0.087049864	7.67143078	88.12685526
ZNF300	3.29397E-13	0.50209865	0.594024031	0.365521262	0.630101864	0.291970853	22.36627924	13.98446067	24.74795137	9.393847432	5.524624315	0.476743332	15.2034326	31.89018405
ZNF446	0.000233722	1.846391656	1.96003243	2.547162395	3.549908752	2.137813273	0.112732348	0.117704677	0.063625256	0.349989818	0.225083389	2.408261701	0.173827098	-13.85435145
ZNF543	0.008575718	1.209160602	3.202165876	2.192911313	1.999024906	1.304830248	0	0.090154573	0.146199147	0.32899594	0.152809172	1.981618589	0.143631766	-13.79652036
ZNF550	3.10826E-07	1.083755383	1.163231951	1.807936967	1.32850315	0.6259177	0.066141657	0.26184868	0.236811135	0.130673428	0.126056888	1.20186903	0.164306358	-7.314805379
ZNF594	0.03033007	0.090162652	0.006788081	0.065637234	0.036001761	0.016311453	0.141555213	0.613091495	1.468027538	1.926580942	1.253999422	0.042980236	1.080650922	25.14297311
ZNF699	0.001376811	1.159367418	1.060714006	1.085148443	1.033767725	0.153758818	5.474300446	3.977876151	6.600913549	9.598628968	7.277925181	0.898551282	6.585928859	7.329496926
ZNF70	5.14667E-07	3.239675238	2.667717625	4.173820422	5.476505263	4.569221431	0.148721774	0.196258566	0.284600269	0.606011309	0.661367503	4.025387995	0.379391884	-10.6101057
ZNF75D_2	0.000297681	2.497857102	3.987359307	1.756882299	2.429730069	3.610030353	0.360383843	0.199542123	0.242690584	0.307452798	0.249760714	2.856371826	0.271966012	-10.50267937
ZNF789	0.00035916	0.588884337	0.470636984	0.395723178	0.542631467	0.737556214	15.97807592	6.757287511	6.860428481	5.292431442	4.789188792	0.547086436	7.935482429	14.50498843
ZNF845	4.2969E-12	1.530815981	1.578432523	1.068811428	1.153717982	0.881823255	0	0	0	0	0	1.242720234	0	#DIV/0!
ZWILCH	1.27496E-08	5.676087945	6.095160152	3.03021981	2.512976388	5.080299717	0.347424894	0.437313949	0.274517451	0.274557391	0.0331072	4.478948802	0.273384177	-16.38335054


Seal
Cow fl2
Cow fl1
Cow vc3
Cow vc2
Cow vc1
Pig
Sheep
Dog
Ferret
Mouse
Long-finned pilot whale vc
Killer whale
Long-finned pilot whale ce
Bowhead whale
Minke whale
0.050

Chapter II

Additional File II_1: Expression (RPKM) values of SOD1 and COMMD6 transcripts in whale and cattle brain samples.

Feature ID	Boferroni corrected *p* - value	RPKM cattle (SRR594491)	RPKM cattle (SRR594482)	RPKM cattle (SRR636935)	RPKM cattle (SRR636934)	RPKM cattle (SRR8305676)	RPKM killer whale (SRR8305677)	RPKM visual cortex long-finned pilot whale (SRR8305674)	RPKM cerebellum long-finned pilot whale (SRR8305675)	RPKM bowhead whale (SRR1685414)	RPKM minke whale (SRR918699)	RPKM mean cattle	RPKM mean whale	RPKM fold difference
COMMD6 (LOC101903064)	9.36E-09	0.044087	0	0	0	0	26.30202	13.20913	13.33089	10.48394	8.867678	0.008817	14.43873	1637.543
SOD1 (LOC507743)	9.90E-32	0.113411	0.307382	0.544908	0.271709	0.430865	133.1853	110.6157	68.23474	59.68477	80.04861	0.333655	90.35384	270.8003

Additional File II_2: List of NCBI gene accession numbers and amino acid sequences used in this study.

Common name	Scientific name	accession number SOD1	accession number COMM
Bottlenose dolphin	*Tursiops truncatus*	XP_004323027.1	XP_004314894.1
Pacific walrus	*Odobenus rosmarus divergen*	XP_004406351.1	XP_004416689.1
Florida manatee	*Trichechus manatus latirostris*	XP_004387041.1	x
Killer whale	*Orcinus orca*	XP_004264558.1	XP_004284328.1
Sperm whale	*Physeter catodon*	XP_023975865.1	XP_007108146.2
Minke whale	*Balaenoptera acutorostrata*	XP_007183754.1	XP_007186271.1
domestic sheep	*Ovis aries*	NP_001138657.1	XP_004012236.2
Camel	*Camelus bactrianus ferus*	x	XP_006195454.1
Weddell seal	*Leptonychotes weddellii*	x	XP_006733679.1
Naked mole-rat	*Heterocephalus glaber*	XP_012926741.1	JAO03450.1
Star-nosed mole	*Condylura cristata*	XP_004675402.1	XP_012578585.1
Human	*Homo sapiens*	CAG46542.1	AAS22243.1
Chimpanzee	*Pan troglodytes*	NP_001009025.1	JAA33917.1
Gorilla	*Gorilla gorilla*	XP_004062735.1	XP_018895473.1
Orangutan	*Pongo abelii*	NP_001125441.1	PNJ73262.1
Gibbon	*Nomascus leucogenys*	XP_004092349.1	XP_012362450.2
Macaque	*Macaca mulatta*	NP_001027976.1	NP_001248602.1
Bushbaby	*Otolemur garnettii*	XP_003797119.1	XP_003802093.1
gray mouse lemur	*Microcebus murinus*	XP_012636377.1	XP_012592521.1
Mouse	*Mus musculus*	NP_035564.1	AAI45362.1
Rat	*Rattus norvegicus*	NP_058746.1	XP_017455270.1
Squirrel	*Ictidomys tridecemlineatus*	XP_005323597.1	XP_005324861.1
Rabbit	*Oryctolagus cuniculus*	XP_017202708.1	XP_002713034.1
Pika	*Ochotona princeps*	XP_004588681.1	XP_004577479.1
Cow	*Bos taurus*	AAI02433.1	AAI12467.1
Pig	*Sus scrofa*	NP_001177351.1	NP_001254779.1
Alpaca	*Vicugna pacos*	XP_015104829.1	XP_015099944.1
Horse	*Equus caballus*	NP_001075295.1	XP_001487964.1
Dog	*Canis lupus familiaris*	NP_001003035.1	XP_534146.4
Panda	*Ailuropoda melanoleuca*	XP_002928845.1	XP_011232632.1
Cat	*Felis catus*	XP_006935984.1	XP_003980495.1
Ferret	*Mustela putorius furo*	XP_012914294.1	XP_004754435.1
Microbat	*Myotis lucifugus*	x	XP_006086132.1
Megabat	*Pteropus vampyrus*	XP_011372147.1	XP_011368074.1
Hedgehog	*Erinaceus europaeus*	XP_007519762.1	XP_007532011.1
Elephant	*Loxodonta africana*	XP_010588622.1	XP_023403062.1
Opossum	*Monodelphis domestica*	XP_001365144.1	x
Tasmanian devil	*Sarcophilus harrisii*	XP_023354655.1	x
Platypus	*Ornithorhynchus anatinus*	XP_028938756.1	x
Beluga whale	*Delphinapterus leucas*	XP_022424139.1	XP_022432746.1
Narwhal	*Monodon monoceros*	XP_029070926.1	XP_029066346.1
Pacific white-sided dolphin	*Lagenorhynchus obliquidens*	XP_026957170.1	XP_026971874.1
Zebu	*Bos indicus*	XP_019812889.1	XP_019827117.1
Goat	*Capra hircus*	NP_001272479.1	x

D6

Additional Table II_3: Percentage of shared residues at the same position between individual sequences of SOD1.The species are abbreviated as follows: Hsa: Homo sapiens (human), Ttr: Tursiops truncatus (bottlenose dolphin), Gme: Globicephala melas (long-finned pilot whale), Dle: Delphinapterus leucas (beluga whale), Mmo: Monodon monoceros (narwhal), Lob: Lagenorhynchus obliquidens (pacific white-sided dolphin), Pca: Physeter catodon (sperm whale), Oor: Orcinus orca (killer whale), Bac: Balaenoptera acutorostrata (minke whale), Oro: Odobenus rosmarus divergens (pacific walrus), Mpu: Mustela putorius furo (ferret), Oar: Ovis aries (domestic sheep), Chi: Capra hircus (goat), Bta: Bos taurus (cattle), Bin: Bos indicus (zebu), Oga: Otolemur garnettii (bushbaby), Mimu: Microcebus murinus (gray mouse lemur), Vpa: Vicugna pacos (alpaca), Ame: Ailuropoda melanoleuca (panda),), Fca: Felis catus (cat), Clu: Canis lupus familiaris (dog), Mmu: Mus musculus (mouse), Rno: Rattus norvegicus (rat), Itr: Ictidomys tridecemlineatus (squirrel), Pva: Pteropus vampyrus (megabat), Ssc: Sus scrofa (pig), Hgl: Heterocephalus glaber (naked mole-rat), Ocu: Oryctolagus cuniculus (rabbit), Opr: Ochotona princeps (pika), Ptr: Pan troglodytes (chimpanzee), Ggo: Gorilla gorilla (gorilla), Pab: Pongo abelii (orangutan), Nle: Nomascus leucogenys (gibbon), Mamu: Macaca mulatta (macaque), Cocr: Condylura cristata (star-nosed mole), Eeu: Erinaceus europaeus (hedgehog), Tma: Trichechus manatus latirostris (Florida manatee), Laf: Loxodonta africana (elephant), Eca: Equus caballus (horse), Oan: Ornithorhynchus anatinus (Platypus), Mdo: Monodelphis domestica (Opossum), Sha: Sarcophilus harrisii (Tasmanian devil).

	Hsa	Ttr	Gme	Dle	Mmo	Lob	Pca	Oor	Bac	Oro	Mpu	Oar	Chi	Bta	Bin	Oga	M	imu	Vpa	Ame	Fca	Clu	Mmu	Rno	Itr	Pva	Ssc	Hgl	Ocu	Opr	Ptr	Ggo	Pab	Nle	Mamu	Cocr	Eeu	Tma	Laf	Eca	Oan	Mdo	Sha
Hsa	100%																																										
Ttr	84%	100%																																									
Gme	84%	100%	100%																																								
Dle	84%	98%	98%	100%																																							
Mmo	84%	98%	98%	99%	100%																																						
Lob	84%	99%	99%	97%	97%	100%																																					
Pca	85%	97%	97%	98%	99%	96%	100%																																				
Oor	84%	100%	100%	98%	98%	99%	97%	100%																																			
Bac	83%	95%	95%	95%	96%	95%	96%	95%	100%																																		
Oro	81%	82%	82%	82%	82%	82%	83%	82%	82%	100%																																	
Mpu	80%	83%	83%	83%	83%	83%	83%	83%	83%	90%	100%																																
Oar	79%	86%	86%	87%	87%	86%	88%	86%	86%	77%	81%	100%																															
Chi	80%	88%	88%	88%	88%	87%	89%	88%	88%	78%	83%	97%	100%																														
Bta	81%	88%	88%	89%	89%	88%	90%	88%	88%	80%	84%	96%	97%	100%																													
Bin	81%	88%	88%	89%	89%	88%	90%	88%	88%	80%	84%	95%	96%	99%	100%																												
Oga	81%	83%	83%	83%	83%	83%	84%	83%	83%	81%	83%	83%	83%	84%	83%	100%																											
Mimu	85%	83%	83%	83%	83%	83%	84%	83%	83%	86%	84%	81%	81%	83%	83%	87%	100%																										
Vpa	86%	86%	86%	87%	87%	86%	88%	86%	87%	87%	86%	84%	85%	86%	86%	87%	88%	100%																									
Ame	82%	84%	84%	84%	84%	84%	84%	84%	84%	96%	92%	79%	81%	83%	83%	83%	86%	86%	100%																								
Fca	81%	83%	83%	83%	83%	83%	83%	83%	83%	94%	94%	79%	81%	83%	83%	84%	84%	87%	96%	100%																							
Clu	80%	81%	81%	81%	81%	81%	82%	81%	81%	91%	92%	79%	81%	82%	81%	83%	83%	86%	93%	94%	100%																						
Mmu	83%	85%	85%	85%	85%	85%	85%	85%	85%	83%	84%	81%	82%	83%	83%	85%	87%	87%	85%	85%	84%	100%																					
Rno	83%	84%	84%	84%	84%	84%	85%	84%	84%	83%	83%	80%	81%	82%	82%	84%	85%	86%	85%	85%	83%	96%	100%																				
Itr	83%	87%	87%	88%	88%	87%	88%	87%	87%	83%	83%	85%	86%	86%	86%	86%	85%	88%	84%	85%	83%	88%	87%	100%																			
Pva	80%	84%	84%	84%	84%	84%	85%	84%	84%	82%	82%	79%	81%	82%	82%	84%	84%	86%	84%	84%	83%	83%	81%	84%	100%																		
Ssc	82%	84%	84%	85%	84%	84%	85%	84%	83%	81%	83%	83%	83%	85%	85%	83%	84%	86%	83%	83%	82%	82%	81%	84%	83%	100%																	
Hgl	83%	83%	83%	84%	84%	83%	84%	83%	82%	81%	83%	80%	81%	83%	83%	86%	83%	86%	83%	84%	83%	84%	82%	86%	81%	81%	100%																
Ocu	84%	84%	84%	84%	84%	84%	85%	84%	83%	81%	83%	82%	83%	84%	84%	84%	82%	83%	84%	84%	83%	83%	82%	83%	83%	81%	86%	100%															
Opr	83%	83%	83%	83%	83%	83%	84%	83%	82%	80%	83%	81%	83%	84%	84%	85%	83%	82%	83%	83%	82%	84%	83%	83%	82%	81%	85%	95%	100%														
Ptr	100%	84%	84%	84%	84%	84%	85%	84%	83%	81%	80%	79%	80%	81%	81%	81%	85%	86%	82%	81%	80%	83%	83%	83%	80%	82%	83%	84%	83%	100%													
Ggo	99%	84%	84%	84%	84%	84%	85%	84%	83%	81%	79%	79%	80%	81%	81%	81%	84%	85%	81%	80%	79%	83%	82%	83%	80%	82%	83%	84%	83%	99%	100%												
Pab	94%	81%	81%	81%	81%	81%	82%	81%	81%	80%	78%	77%	78%	79%	79%	79%	83%	83%	80%	79%	78%	80%	80%	81%	78%	79%	81%	81%	80%	94%	94%	100%											
Nle	94%	85%	85%	85%	85%	85%	85%	85%	84%	84%	83%	80%	81%	82%	82%	85%	87%	87%	85%	83%	83%	86%	85%	85%	81%	82%	83%	85%	85%	94%	93%	92%	100%										
Mamu	91%	83%	83%	83%	83%	83%	83%	83%	82%	82%	83%	79%	79%	80%	80%	84%	84%	85%	84%	83%	81%	85%	83%	82%	82%	81%	81%	83%	83%	91%	90%	89%	94%	100%									
Cocr	80%	81%	81%	81%	81%	81%	82%	81%	81%	82%	84%	78%	79%	81%	81%	83%	85%	85%	83%	84%	82%	85%	85%	84%	84%	83%	81%	81%	81%	80%	81%	78%	81%	79%	100%								
Eeu	79%	81%	81%	82%	82%	81%	83%	81%	82%	81%	81%	78%	79%	80%	80%	79%	82%	85%	82%	82%	81%	80%	80%	81%	83%	81%	81%	79%	79%	79%	78%	78%	79%	79%	80%	100%							
Tma	76%	79%	79%	79%	79%	79%	79%	79%	79%	77%	79%	80%	80%	81%	81%	80%	81%	79%	78%	78%	77%	79%	77%	80%	77%	78%	80%	78%	79%	76%	75%	74%	78%	77%	76%	77%	100%						
Laf	83%	81%	81%	81%	81%	81%	81%	81%	81%	76%	79%	81%	80%	81%	81%	81%	80%	78%	78%	78%	77%	79%	78%	81%	77%	81%	80%	81%	80%	83%	83%	80%	81%	81%	77%	76%	86%	100%					
Eca	80%	80%	80%	80%	80%	79%	81%	80%	78%	77%	77%	78%	79%	80%	80%	80%	79%	80%	78%	78%	75%	80%	80%	78%	76%	76%	81%	81%	80%	80%	80%	78%	79%	77%	78%	74%	71%	76%	100%				
Oan	79%	78%	78%	79%	79%	78%	79%	78%	78%	78%	80%	77%	77%	79%	79%	77%	80%	81%	77%	79%	77%	78%	78%	80%	74%	80%	80%	76%	76%	79%	78%	78%	78%	75%	79%	79%	75%	76%	76%	100%			
Mdo	80%	79%	79%	78%	78%	78%	79%	79%	78%	78%	78%	76%	76%	78%	78%	80%	80%	81%	79%	78%	76%	82%	79%	81%	77%	79%	79%	77%	77%	80%	79%	76%	78%	78%	77%	78%	75%	76%	78%	78%	100%		
Sha	77%	78%	78%	77%	77%	79%	78%	78%	79%	77%	78%	77%	77%	78%	78%	76%	79%	81%	78%	78%	75%	80%	78%	80%	74%	77%	77%	74%	74%	77%	76%	74%	76%	76%	75%	76%	74%	75%	77%	76%	92%	100%	

Additional Table II_4: Percentage of shared residues at the same position between individual sequences of COMMD6. The species are abbreviated as follows: Hsa: Homo sapiens (human), Ttr: Tursiops truncatus (bottlenose dolphin), Gme: Globicephala melas (long-finned pilot whale), Dle: Delphinapterus leucas (beluga whale), Mmo: Monodon monoceros (narwhal), Lob: Lagenorhynchus obliquidens (pacific white-sided dolphin), Pca: Physeter catodon (sperm whale), Oor: Orcinus orca (killer whale), Bac: Balaenoptera acutorostrata (minke whale), Oro: Odobenus rosmarus divergens (pacific walrus), Lwe: Leptonychotes weddellii (weddel seal), Mpu: Mustela putorius furo (ferret), Clu: Canis lupus familiaris (dog), Ame: Ailuropoda melanoleuca (panda), Bta: Bos taurus (cattle), Oar: Ovis aries (domestic sheep), Bin: Bos indicus (zebu), Eca: Equus caballus (horse), Mlu: Myotis lucifugus (microbat), Ggo: Gorilla gorilla (gorilla), Nle: Nomascus leucogenys (gibbon), Mamu: Macaca mulatta (macaque), Ptr: Pan troglodytes (chimpanzee), Pab: Pongo abelii (orangutan), Fca: Felis catus (cat), Cfe: Camelus ferus (camel), Vpa: Vicugna pacos (alpaca), Laf: Loxodonta africana (elephant), Eeu: Erinaceus europaeus (hedgehog), Mimu: Microcebus murinus (gray mouse lemur), Ssc: Sus scrofa (pig), Itr: Ictidomys tridecemlineatus (squirrel), Ocu: Oryctolagus cuniculus (rabbit), Pva: Pteropus vampyrus (megabat), Hgl: Heterocephalus glaber (naked mole-rat), Opr: Ochotona princeps (pika), Cocr: Condylura cristata (star-nosed mole), Oga: Otolemur garnettii (bushbaby), Mmu: Mus musculus (mouse), Rno: Rattus norvegicus (rat)

	Hsa	Ttr	Gme	Dle	Mmo	Lob	Pca	Oor	Bac	Oro	Lwe	Mpu	Clu	Ame	Bta	Oar	Bin	Eca	Mlu	Ggo	Nle	Mamu	Ptr	Pab	Fca	Cfe	Vpa	Laf	Eeu	Mimu	Ssc	Itr	Ocu	Pva	Hgl	Opr	Cocr	Oga	Mmu	Rno
Hsa	100%																																							
Ttr	89%	100%																																						
Gme	89%	100%	100%																																					
Dle	89%	100%	100%	100%																																				
Mmo	89%	100%	100%	100%	100%																																			
Lob	89%	100%	100%	100%	100%	100%																																		
Pca	88%	98%	98%	98%	98%	98%	100%																																	
Oor	89%	98%	98%	98%	98%	98%	97%	100%																																
Bac	87%	97%	97%	97%	97%	97%	96%	96%	100%																															
Oro	90%	94%	94%	94%	94%	94%	92%	92%	92%	100%																														
Lwe	89%	92%	92%	92%	92%	92%	91%	91%	91%	98%	100%																													
Mpu	90%	94%	94%	94%	94%	94%	92%	92%	92%	100%	98%	100%																												
Clu	91%	92%	92%	92%	92%	92%	91%	91%	91%	98%	97%	98%	100%																											
Ame	87%	89%	89%	89%	89%	89%	88%	90%	88%	95%	94%	95%	94%	100%																										
Bta	88%	92%	92%	92%	92%	92%	94%	91%	90%	89%	88%	89%	88%	85%	100%																									
Oar	82%	87%	87%	87%	87%	87%	88%	86%	84%	83%	82%	83%	82%	83%	89%	100%																								
Bin	79%	83%	83%	83%	83%	83%	84%	82%	81%	80%	79%	80%	79%	80%	90%	94%	100%																							
Eca	88%	94%	94%	94%	94%	94%	95%	92%	91%	91%	90%	91%	90%	87%	91%	86%	83%	100%																						
Mlu	90%	92%	92%	92%	92%	92%	94%	92%	90%	90%	89%	90%	89%	87%	90%	84%	82%	95%	100%																					
Ggo	98%	88%	88%	88%	88%	88%	87%	88%	85%	89%	88%	89%	90%	86%	87%	81%	78%	87%	89%	100%																				
Nle	72%	65%	65%	65%	65%	65%	64%	65%	63%	67%	66%	67%	68%	68%	64%	67%	64%	65%	66%	71%	100%																			
Mamu	98%	89%	89%	89%	89%	89%	88%	89%	87%	91%	90%	91%	92%	88%	88%	82%	79%	89%	90%	97%	73%	100%																		
Ptr	97%	89%	89%	89%	89%	89%	88%	89%	87%	90%	89%	90%	91%	87%	87%	81%	78%	87%	89%	96%	70%	96%	100%																	
Pab	97%	89%	89%	89%	89%	89%	88%	89%	87%	92%	91%	92%	94%	89%	88%	82%	79%	89%	90%	96%	72%	98%	95%	100%																
Fca	88%	92%	92%	92%	92%	92%	91%	91%	91%	94%	92%	94%	92%	89%	89%	83%	81%	88%	89%	87%	64%	88%	88%	88%	100%															
Cfe	90%	92%	92%	92%	92%	92%	91%	92%	91%	91%	90%	91%	90%	88%	90%	84%	81%	90%	91%	89%	66%	90%	89%	90%	89%	100%														
Vpa	89%	91%	91%	91%	91%	91%	90%	91%	90%	90%	89%	90%	89%	87%	91%	83%	82%	89%	90%	88%	65%	89%	88%	89%	88%	97%	100%													
Laf	89%	90%	90%	90%	90%	90%	89%	91%	88%	90%	89%	90%	89%	88%	88%	82%	80%	89%	90%	88%	65%	89%	88%	89%	89%	90%	89%	100%												
Eeu	89%	90%	90%	90%	90%	90%	90%	89%	88%	91%	90%	91%	90%	87%	90%	84%	81%	89%	90%	89%	65%	89%	88%	90%	90%	90%	89%	88%	100%											
Mimu	85%	90%	90%	90%	90%	90%	91%	89%	89%	91%	90%	91%	90%	87%	89%	83%	81%	91%	89%	84%	62%	85%	85%	85%	89%	89%	88%	87%	87%	100%										
Ssc	85%	94%	94%	94%	94%	94%	95%	92%	92%	88%	87%	88%	87%	84%	91%	86%	82%	92%	91%	84%	62%	85%	84%	85%	87%	90%	89%	87%	88%	88%	100%									
Itr	85%	86%	86%	86%	86%	86%	87%	85%	83%	87%	86%	87%	86%	85%	86%	82%	80%	88%	88%	83%	63%	85%	83%	85%	85%	86%	85%	86%	86%	87%	85%	100%								
Ocu	85%	89%	89%	89%	89%	89%	88%	90%	87%	87%	85%	87%	85%	85%	88%	81%	79%	88%	88%	84%	62%	85%	84%	85%	84%	89%	89%	87%	85%	84%	85%	81%	100%							
Pva	88%	91%	91%	91%	91%	91%	92%	90%	89%	89%	88%	89%	90%	85%	89%	83%	81%	94%	91%	87%	65%	89%	87%	89%	88%	89%	88%	88%	87%	88%	90%	86%	83%	100%						
Hgl	83%	88%	88%	88%	88%	88%	87%	87%	87%	89%	88%	89%	88%	87%	85%	81%	79%	89%	85%	82%	63%	85%	83%	85%	86%	86%	85%	85%	83%	87%	83%	87%	82%	85%	100%					
Opr	85%	88%	88%	88%	88%	88%	87%	89%	88%	87%	85%	87%	85%	85%	87%	81%	78%	87%	85%	84%	62%	85%	87%	85%	87%	88%	87%	85%	84%	84%	84%	80%	90%	82%	82%	100%				
Cocr	83%	85%	85%	85%	85%	85%	83%	83%	83%	86%	85%	86%	85%	84%	81%	79%	77%	83%	83%	82%	62%	83%	83%	83%	83%	86%	85%	83%	82%	83%	81%	83%	79%	81%	83%	80%	100%			
Oga	85%	87%	87%	87%	87%	87%	85%	85%	85%	85%	84%	85%	84%	81%	84%	79%	77%	87%	84%	84%	62%	85%	84%	85%	84%	88%	87%	84%	83%	87%	87%	82%	82%	84%	82%	82%	82%	100%		
Mmu	77%	80%	80%	80%	80%	80%	79%	81%	78%	79%	78%	79%	78%	79%	78%	74%	73%	81%	79%	75%	57%	77%	77%	77%	77%	79%	79%	79%	75%	78%	75%	81%	79%	75%	82%	78%	78%	74%	100%	
Rno	68%	69%	69%	69%	69%	69%	68%	70%	68%	71%	70%	71%	70%	73%	67%	69%	68%	68%	69%	68%	58%	68%	68%	68%	70%	69%	69%	69%	68%	69%	65%	70%	67%	66%	69%	67%	66%	64%	69%	100%

Additional File 5: Multiple alignment of COMMD6 amino acid sequences of selected species of diving and non-diving mammals.

The species are abbreviated as follows: Hsa: Homo sapiens (human), Ttr: Tursiops truncatus (bottlenose dolphin), Gme: Globicephala melas (long-finned pilot whale), Dle: Delphinapterus leucas (beluga whale), Mmo: Monodon monoceros (narwhal), Lob: Lagenorhynchus obliquidens (pacific white-sided dolphin), Pca: Physeter catodon (sperm whale), Oor: Orcinus orca (killer whale), Bac: Balaenoptera acutorostrata (minke whale), Oro: Odobenus rosmarus divergens (pacific walrus), Lwe: Leptonychotes weddellii (weddel seal), Mpu: Mustela putorius furo (ferret), Clu: Canis lupus familiaris (dog), Ame: Ailuropoda melanoleuca (panda), Bta: Bos taurus (cattle), Oar: Ovis aries (domestic sheep), Bin: Bos indicus (zebu), Eca: Equus caballus (horse), Mlu: Myotis lucifugus (microbat), Ggo: Gorilla gorilla (gorilla), Nle: Nomascus leucogenys (gibbon), Mamu: Macaca mulatta (macaque), Ptr: Pan troglodytes (chimpanzee), Pab: Pongo abelii (orangutan), Fca: Felis catus (cat), Cfe: Camelus ferus (camel), Vpa: Vicugna pacos (alpaca), Laf: Loxodonta africana (elephant), Eeu: Erinaceus europaeus (hedgehog), Mimu: Microcebus murinus (gray mouse lemur), Ssc: Sus scrofa (pig), Itr: Ictidomys tridecemlineatus (squirrel), Ocu: Oryctolagus cuniculus (rabbit), Pva: Pteropus vampyrus (megabat), Hgl: Heterocephalus glaber (naked mole-rat), Opr: Ochotona princeps (pika), Cocr: Condylura cristata (star-nosed mole), Oga: Otolemur garnettii (bushbaby), Mmu: Mus musculus (mouse), Rno: Rattus norvegicus (rat)

The complete sequence of human COMMD6 is shown in the upper row. For the other species only replaced amino acids are shown. Consensuses are pictured as dots.

```
                 *        20         *        40         *        60         *        80         *       100         *
Hsa  : ------------------------------MEASSEPPLDAKSDVTNQLVDFQWKLGMAVSSDTCRSLKYPYVAVMLKVADHSGQVKTKCFEMTIPQFQNFYRQFKEIAAVIETV :  85
Ttr  : ------------------------------..GC...Q....AK.......................................N.S........................ :  85
Gme  : ------------------------------..GC...Q....AK.......................................N.S........................ :  85
Dle  : ------------------------------..GC...Q....AK.......................................N.S........................ :  85
Mmo  : ------------------------------..GC...Q....AK.......................................N.S........................ :  85
Lob  : ------------------------------..GC...Q....AK.......................................N.S........................ :  85
Pca  : ------------------------------..GC...Q....AK.......................................N.S........................ :  85
Oor  : ------------------------------..GC...Q....AK.......................................S......................... :  85
Bac  : ------------------------------..GC...Q....AK.....................................P.....N.S........................ :  85
Oro  : ------------------------------..GC...R.....E.......................................N.S........................ :  85
Lwe  : ------------------------------..GC...R.....E.......................D...............N.S........................ :  85
Mpu  : ------------------------------..GC...R.....E.......................................N.S........................ :  85
Clu  : ------------------------------..GC...R.....E.......................................N......................... :  85
Ame  : M-----------------------------LG..GC...R.....E.......................................S......................... :  88
Bta  : ------------------------------..E....Q.....K..S....................................N.S........................ :  85
Oar  : MVG----------------------TLNRA..E....Q.....K.......................................N.S........................ :  93
Bin  : MVG----------------------ALBRA..E.X..Q.....K..S....................................N.S........................ :  93
Eca  : ------------------------------..G.R..V....AE.......................................N.S........................ :  85
Mlu  : ------------------------------..G.N..V....AK.......................................S......................... :  85
Ggo  : --------------------------------....D.............................................................................. :  85
Nle  : MRQAARGRKWKRKRWSGGVLSSPGRESQTLP.............E.............................................................................. : 116
Mamu : ------------------------------.............E.............................................................................. :  85
Ptr  : ------------------------------..T............................................................................... :  85
Pab  : ------------------------------.......R.....E.............................................................................. :  85
Fca  : ------------------------------..DCG..Q.....K.....................................M.......N.S........................ :  85
Cfe  : ------------------------------..G....L.....K.....................................D.....K.S........................ :  85
Vpa  : ------------------------------..G....L.....K..S..................................E.....K.S........................ :  85
Laf  : ------------------------------..G.K..Q.....G.......................................S......................... :  85
Eeu  : ------------------------------..D..G.R.....K.......................................N.S.....................T.... :  85
Mimu : ------------------------------..GVC..L.....Q.......................................N.S........................ :  85
Ssc  : ------------------------------..G....Q....AK.....................R................L.....N.S........................ :  85
Itr  : ----------------------------MEASG.Q..I.....Q.......................................N.S................D........ :  87
Ocu  : ------------------------------..G....V...S.K.....................................A.H....S......................... :  85
Pva  : ------------------------------..G.G.LQ....AE.......................................N......................... :  85
Hgl  : ---------------------------MDGPGLR..M.....E.......................................N.S........................ :  87
Opr  : ------------------------------..E....V...S.T.....................................M.PA......S......................... :  85
Cocr : ---------------------------MA..GAP..L.....R.....................N.................Q.....N.S........................ :  87
Oga  : ------------------------------..G.G..L.....Q.......L..................S..........L.....N.S...........C.........T... :  85
Mmu  : ---------------------------MEESGFR..V.....----.....................................S..SI........................ :  83
Rno  : MLQNA--------------------EAEQTFSLWQK.LSTPF.S..H.....................................S..SI........................ :  95
```

Additional Table II_6: Expression levels of *OorSod1* and *OorCOMMD6* in HN33 cells transfected with an empty pcDNA3.1+ vector, Sod1 expression levels in HN33 cells transfected with pcDNA3.1+ vector containing OorSod1 and Commd6 expression levels in HN33 cells transfected with pcDNA3.1+ vector containing OorCommd6 estimated by qRT-PCR. mRNA levels were measured after 24 h treatment with normoxia, hypoxia and 275 µM H_2O_2.

	Treatment	mRNA levels of Sod1 (copy numbers per µg RNA)	mRNA levels of Commd6 (copy numbers per µg RNA)
HN33 pcDNA3.1+	normoxia	184.6	78.5
	normoxia	162.1	77.0
	normoxia	53.1	137.0
	hypoxia	27.0	103.5
	hypoxia	303.1	80.6
	hypoxia	113.3	121.2
	275 µM H_2O_2	-	113.7
	275 µM H_2O_2	249.5	15.8
	275 µM H_2O_2	1397.9	60.4
HN33 pcDNA3.1+ containing OorSod1	normoxia	1211357.7	
	normoxia	1080489.1	
	normoxia	861848.4	
	hypoxia	659712.2	
	hypoxia	708998.9	
	hypoxia	801319.7	
	275 µM H_2O_2	916293.2	
	275 µM H_2O_2	632126.5	
	275 µM H_2O_2	781084.0	
HN33 pcDNA3.1+ containing OorCommd6	normoxia		231293.1
	normoxia		196939.7
	normoxia		213542.5
	hypoxia		129331.8
	hypoxia		162961.4
	hypoxia		219100.0
	275 µM H_2O_2		27901.4
	275 µM H_2O_2		31857.8
	275 µM H_2O_2		29167.7

Additional Table II_7. Luminescence signal intensities of the hypoxia and oxidative stress experiments.

A	CellTiter-Glo® test		
	normoxia	hypoxia	275 µM H_2O_2
HN33pcDNA3.1+	259114	111237	-
	265126	185031	8999.5
	261082	102638	8389.5
HN33OorSOD1	250843	257653	39535.5
	239549	256813	35068.5
	241895	238013	47724.5
	249488	-	-
HN33OorCOMMD6	244085	202122	11841.5
	260440	238330	39817.5
	257031	240209	33103.5
	246838	-	-
B	Caspase-Glo® 3/7test		
	normoxia	hypoxia	275 µM H_2O_2
HN33pcDNA3.1+	158661	218006	255439.5
	140542	216149	323266.5
	145639	267697	209255.5
HN33OorSOD1	107706	127202	256824.5
	89132	125673	258142.5
	98311	146515	270048.5
	95470	-	-
HN33OorCOMMD6	144628	188571	214884.5
	108376	162088	175962.5
	104912	206576	231829.5
	121613	-	-
C	DCFH-DA test		
	normoxia	hypoxia	
HN33pcDNA3.1+	11324	49733.5	
	11580	55586.5	
	12751	48542.5	

HN33OorSOD1	12012	58747.5
	15790	60194.5
	19241	60778.5
HN33OorCOMMD6	14155	54968.5
	14376	61522.5
	15333	75712.5
	15972	-

Chapter III

Additional File III_1: List of gene accession numbers and amino acid sequences used in this study.

Common name	Scientific name	accession number	*AA sequence*
Bottlenose dolphin	***Tursiops truncatus***	**ENSTTRP00000003097**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLTDELALVDVLEDKLK GEMMDLQHGSLFLQTPKI-VADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFK FIIPQIVKYSPDCIIIVVSNPVDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKL GIHPSSCHGWILGEHGDSSVAVWSGVNVAGVSLQELNPEMGTDDDSENWKEVHKMVVE-- ----RLHSXXNWAIGLSVADLIESMLKNL-RIHAVSTMVKGMYGIENEVFLSLPCILNAR GLTSVISQKLKDDEVAQLKKSADTLWDIQKDLKDL-------
Pacific walrus	***Odobenus rosmarus divergen***	**XP_004405555.1**	MATLKEKLIAPVAEEEATIPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLK GEMMDLQHGSLFLQTPKI-VADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFK FIIPQIVKYSPDCIIIVVSNPVDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKL GIHPSSCHGWILGEHGDSSVAVWSGVNVAGVSLQELNPEMGTDNDSENWKEVHKMVVESA YEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKGMYGIENEVFLSLPCILNAR GLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL-------
Florida manatee	***Trichechus manatus latirostris***	**XP_023581231.1**	MATLKEKLIASVAEADTLVPNSKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCVIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESILKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Killer whale	***Orcinus orca***	**XP_004270977.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLTDELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDDDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVISQKLKDDEVAQLKKSADTLWDIQKDLKDL
Baiji	***Lipotes vexillifer***	**XP_007449431.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLTDELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDDDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVISQKLKDDEVAQLKKSADTLWDIQKDLKDL
Sperm whale	***Physeter catodon***	**XP_023984893.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLTDELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIVPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVISQKLKDDEVAQLKKSADTLWDIQKDLKDL

Minke whale	***Balaenoptera acutorostrata***	**XP_007194889.1**	MATLKEKLIAPVAEEEAMVPNNKITIVGVGQVGMACAISILGKSLTDELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVSVFRFSIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKIVVESAYEVIKLKGYTNWASGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVISQKLKDDEVAQLKKSADTLWDIQKELKDL
Tibeta yak	***Bos mutus***	**XM_005893232.1**	MATLKEKLIAPVAEEETKIPNNKITVVGVGQVGMACAISILGKSLTDELA LVDVLEDKLKGEMMDLQHGSLFLQTPKIVADKDYSVTANSKIVVVTAGVR QQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNPVDILTYVTWK LSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVA VWSGVNVAGVSLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTN WAIGLSVADLIESMLKNLSRIHPVSTMVKGMYGIENEVFLSLPCILNARG LTSVINQKLKDEEVAQLKKSADTLWGIQKDLKDL
Tibeta antelope	***Pantholops hodgsonii***	**XM_005982959.1**	MATLKEKLIAPVAGEEGAIPNNKITVVGVGQVGMACAISILGKSLTDELA LVDVLEDKLKGEMMDLQHGSLFLQTPKIVADKDYSVTANSKIVVVTAGVR QQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNPVDILTYVTWK LSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVA VWSGVNVAGVSLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTN WAIGLSVADLIESMLKNLSRIHPVSTMVKGMYGIENEVFLSLPCILNARG LTSVINQKLKDEEVAQLKKSADTLWGIQKDLKDL
Camel	***Camelus bactrianus ferus***	**XP_010987130.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTTNSKIVVVTAGVLQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEVGTDNDSENWKEVHKLVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDEEVAQLKKSADTLWDIQKDLKDL
Sheep	***Ovis aries***	**XP_027823625.1**	MATLKEKLIAPVAGEEGAIPNNKITVVGVGQVGMACAISILGKSLTDELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQDLNPEMGTDSDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDEEVAQLKKSADTLWGIQKDLKDL
Weddell seal	***Leptonychotes weddellii***	**XP_006728893.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCILIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFHYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIEN
Naked mole-rat	***Heterocephalus glaber***	**NP_001290237.1**	MATLKEKLIAPVAEEEAGVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTSKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESILKNLSRIHPVSTMVKG MYSIENEVFLSLPCILNARGLTSVINQKLKDEEVAQLKKSADTLWDIQKDLKDL

Star-nosed mole	***Condylura cristata***	**XP_004693280.1**	MATLKEKLIAPVAEEKATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTSNSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMFKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWNIQKDLKDL
Human	***Homo sapiens***	**NP_002291.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Chimpanzee	***Pan troglodytes***	**JAA39862.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Gorilla	***Gorilla gorilla***	**AFQ39751.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Orangutan	***Pongo abelii***	**PNJ86760.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Gibbon	***Nomascus leucogenys***	**XP_012357825.2**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Macaque	***Macaca mulatta***	**NP_001182738.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Marmoset	***Callithrix jacchus***	**JAB40313.1**	MATLKEKLIAPVAEEEAAVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL

Dian's tarsier	***Tarsius dentatus***	**XP_012662234.1**	MATLKEKLIAPVAKEEAAVPNNKITIVGVGQVGMACAISILGKSLADELALVDVLEDKLQGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNTRGLTSVINQKLKDEEVAQLKKSADTLWDIQKDLKDL
gray mouse lemur	***Microcebus murinus***	**AFQ39763.1**	MATLKEKLIAPVAEEEAAAPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTSKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDV
Tree shrew	***Tupaia belangeri***	**ENSTBEG00000008080**	MATLKDKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKF IIPQIVKYSPDCIIIVVSNPVDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLG VHPTSCHGWILGEHGDSSXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXAY EVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKGKYGIENEVFLGFPWIFNARG LTSVINQKLKDDEVAQLKKSTDRLWDIQKD
Mouse	***Mus musculus***	**NP_032518.1**	MATLKEKLIASVADDEAAVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCTIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVDSAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLRKSADTLWDIQKDLKDL
Rat	***Rattus norvegicus***	**NP_036727.1**	MATLKEKLIAPVADDETAVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCTIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVDSAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLRKSADTLWDIQKDLKDL
Kangaroo rat	***Dipodomys ordii***	**XP_012880560.1**	MATLKEKLIAPVADEEAPVANNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTSKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPECTIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGSDNDNENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDEEVAQLKNSADTLWAIQKDLKDL
Guinea pig	***Cavia aperea***	**ENSCPOG00000021345**	NGSPYGSYTAPVTDEKAQVPDNKSPVVGIGQGGLVCAVSILADKLVLMDVLEDKLKGMMN LQRGSLFLQTSKIVVANKDYSVTVNCSGNQWSSSLRREGELSNLVQTNINVFKFIIPQIV QYSPACVITLPFNPVDILPYVTWKLGLPKYHVIGSNLNSLRFLMLMAKKLGIRSSSCHGW IMGEHGCGMNVAGVSIQTLNLQMGPDSHSENQKEVRKMMAESAYEGIRLKGYTKWATGLS LMDLLESILKHLSGIHPVSSMVGTCGTESEVFQSLPCILNAQELTSDINQKPKAEEVSQL KKNAGTCDIQKDLKVL

Squirrel	***Ictidomys tridecemlineatus***	**XP_013215629.1**	MATLKEKLIAPVAEEETTVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKGSLISCXXXXVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDSDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMFKNLSRIHPVSTMVKG MYGIENEVFLSLPCVLNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Rabbit	***Oryctolagus cuniculus***	**NP_001182636.1**	MATLKEKLIAPVADNEAAVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPNCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Pika	***Ochotona princeps***	**XP_004592669.1**	MATLKEKLIAPVAGAEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPTSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPAMGTDNDSENWKEVHKMVVDSAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Cow	***Bos taurus***	**NP_776525.2**	MATLKEKLIAPVAEEETRIPNNKITVVGVGQVGMACAISILGKSLTDELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDEEVAQLKKSADTLWGIQKDLKDL
Pig	***Sus scrofa***	**NP_001106758.1**	MATLKEKLIAPVAEEETTIPNNKITVVGVGQVGMACAISILGKSLTDELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGVHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVQG MYGIENEVFLSLPCVLNARGLTSVINQKLKDDEVAQLKNSADTLWGIQKDLKDL
Alpaca	***Vicugna pacos***	**XP_006199985.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKLVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDEEVAQLKKSADTLWDIQKDLKDL
Horse	***Equus caballus***	**NP_001138583.1**	MATLKEKLIAPVAEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGSL FLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNPV DILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGVS LQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKGM YGIENEVFLSLPCILNARGLTSVINQKLKDEEVAQLKKSAYTLWDIQKDLKDL
Dog	***Canis lupus familiaris***	**NP_001239093.1**	MATLKEKLIAPVAEEEAAIPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL

Panda	***Ailuropoda melanoleuca***	**XP_002929033.1**	MATLKEKLIAPVAEEEAAIPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSALPKHRVIGSGCNLDSARFRYLMAEKLGVHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Cat	***Felis catus***	**XP_003988536.1**	MASLKEKLIAPVAKEEAAVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Ferret	***Mustela putorius furo***	**NP_001297117.1**	MATLKEKLIAPVAEEEAAVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPDMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Microbat	***Myotis lucifugus***	**XP_006090725.1**	MATLKEKLIAPVAKEEATTPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDKDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMFKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWNIQKDLKDL
Megabat	***Pteropus vampyrus***	**XP_011379883.1**	MATLKEKLIAPVAEEAAVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGSL FLQTPKIVADKDYSVTANSKVVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIIKYSPDCIIIVVSNPV DILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGVS LQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKGM YGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Hedgehog	***Erinaceus europaeus***	**XP_007517951.1**	MATLKEKLIAPVAEEEASTPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKLVVESAYEVIKLKGYTNWAIGLSVADLIESMFKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWNIQKDLKDL
Shrew	***Sorex araneus***	**XP_004611337.1**	MATLKEKLIAPVAKEDASVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPNCIIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPDMGTDHDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIETMFKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWNIQKDLKDL
Elephant	***Loxodonta africana***	**XP_003405734.1**	MATLKEKLIAPVAEEAAVPNNKITVVGVGQVGMACAVSILGKSLADELALVDVLEDKLKGEMMDLQHGSL FLQTPKIVADKDYSVTANSKVVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNPV DILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGVS LQELNPEMGTDNDSENWKEVHKLVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKGM YGIENEVFLSLPCVLNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL

Hyrax	***Procavia capensis***	**ENSPCAG00000004672**	SLADELALVDVLEDKLKGEMMDLQHGSLFLQTSKIVADKDYSVTANSKIVVVTAGVRQQE GESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNPVDILTYVTWKLSGLPKHRVIGSG CNLDSARFRYLMAEKLGIHPTSCHGWILGEHGDSSVAVWSGVNVAGVSLQELNPEMGTDN DSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKGMYG IENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Lesser hedgehog tenrec	***Echinops telfairi***	**XP_012862957.1**	MATLKNKLIAPVAEEEALVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS ILFQSTPFPSPDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNPV DILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGVS LQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMFKNLSRIHPVSTMVKGM YGIENEVFLSLPCILNARGLTSVVNQKLKDDEVAQLKKSADTLWDIQKDLRDL
Armadillo	***Dasypus novemcinctus***	**XP_004448718.1**	MATLKEKLIAPVAEEGAGVPNNKITIVGVGQVGMACAISILGKSLTDELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKVVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIIKYSPDCIIIVVSNP VDILTYVTWKLSGLPKHRVFGSGCNLDSARFRYLMAEKLGVHPTSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPDMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESLFKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Sloth	***Choloepus hoffmanni***	**ENSCHOG00000007658**	MATLKEKLIAPVGEEEATVPNNKITVVGVGQVGMACAISILGKSLTDELALVDVLEDKLK GEMMDLQHGSLFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKF IIPQIVKYSPDCIIIVVSNPVDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMAEKLG IHPSSCHGWILGEHGDSSXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXAY EVIKLKGYTNWAIGLSVADLIESMFKNLSRIHPVSTMVKGMYGIENEVFLSLPCILNARG LTSVINQKLKDDEVAQLRKSAETLWDIQKDLKDL
Opossum	***Monodelphis domestica***	**NP_001028150.1**	MATLKEKLIAPVAEEEAAAPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFFQTPKIVADKDYSVTAGSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCTIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMSEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKLVIESAYEVIKLKGYTNWAIGLSVADLIETMLKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Wallaby	***Notamacropus eugenii***	**ENSMEUG00000004825**	MATLKEKLIVPVAEEEAAAPNNKITVVGVGQVGMACAISILAKSLADELALVDVLEDKLK GEMMDLQHGSLFLQTPKIVADKXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMSEKLG IHPSSCHGWILGEHGDSSVAVWSGVNVAGVSLQDLNPEMGTDNDSENWKEVHKLVIESAY EVIKLKGYTNWAIGLSVADLIETMLKNLSKIHPVSTMVKGMYGIENEVFLSLPCILNARG LTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Tasmanian devil	***Sarcophilus harrisii***	**XP_023360259.1**	MATLKEKLIAPVAEEEAAAPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTAGSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCTIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMSEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPEMGTDNDSENWKEVHKLVIESAYEVIKLKGYTNWAIGLSVADLIETMFKNLSRIHPVSTMVKG MYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL

Platypus	***Ornithorhynchus anatinus***	**XP_028914549.1**	MASLKEKLIAPVAEEASTSPNNKITVVGVGQVGMACAISILGKSLTDELALVDVLEDKLKGEMMDLQHGS LFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIVPQIVKHSPDCTIIVVSNP VDILTYVTWKLSGLPKHRVIGSGCNLDSARFRFLMSEKLGVHPSSCHGWILGEHGDSSVAVWSGVNVAGV SLQELNPAMGSEGDDENWKEVHKMVVDSAYEVIKLKGYTNWAIGLSVADLIESLLKNLSRVHPVSTMVQG MYGIDNEVFLSLPCVLNARGLTSVINQKLKDEEVAQLRKSAETLWAIQKDLHDL
Hooded seal	***Cystophora cristata***	**AMC39376.1**	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKLKGEMMDLQHGSLFLQTPKIVADKDYSVT ANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCILIVVSNPVDILTYVTWKLSGLPKHRVIGSGCNLDSARFRYLMA EKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGVSLQELNPEMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADL IESMLKNLSRIHPVSTMVKGMYGIENEVFLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL
Long-finned pilot whale	***Globicephala melas***	***x***	MATLKEKLIAPVAEEEATVPNNKITVVGVGQVGMACAISILGKSLTDELA LVDVLEDKLKGEMMDLQHGSLFLQTPKIVADKDYSVTANSKIVVVTAGVR QQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNPVDILTYVTWK LSGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVA VWSGVNVAGVSLQELNPEMGTDDDSENWKEVHKMVVESAYEVIKLKGYTN WAIGLSVADLIESMLKNLSRIHPVSTMVKGMYGIENEVFLSLPCILNARG LTSVISQKLKDDEVAQLKKSADTLWDIQKDLKDL

Additional file III_2: Expression levels in normalized unique gene reads of lactate dehydrogenase a (Ldha) and lactate dehydrogenase b (Ldhb) in brain samples of whales and cattle.

	cattle (SRR594491)	**cattle (SRR594482)**	**cattle (SRR636935)**	**cattle (SRR636934)**	**cattle (SRR8305676)**	**killer whale (SRR8305677)**	**visual cortex long-finned pilot whale (SRR8305674)**	**cerebellum long-finned pilot whale (SRR8305675)**	**bowhead whale (SRR1685414)**	**minke whale (SRR918699)**	**mean cattle**	**mean whale**	**fold difference**	**Boferroni corrected *p* - value**
Ldha	148622	347416	105219	173135	81772	178760	252596	239038	259245	218285	171233	229585	1.3	1
Ldhb	851378	652584	894781	826865	918228	821240	747404	760962	740755	781715	828767	770415	-1.1	1
Ldha/Ldhb	0.17	0.53	0.12	0.21	0.09	0.22	0.34	0.31	0.35	0.28	0.21	0.30	-0.7	

Additional File 3: Sequence identity between the aligned sequences of LDHA and LDHB

The species are abbreviated as follows: Hsa: *Homo sapiens* (human), Mmu: *Mus musculus* (mouse), Bta: *Bos taurus* (cattle), Ssc: *Sus scrofa* (pig), Ccr: *Cystophora cristata* (hooded seal), Oor: *Orcinus orca* (killer whale), Gme: *Globicephala melas* (long-finned pilot whale), Ttr: *Tursiops truncatus* (bottlenose dolphin), Lve: *Lipotes vexillifer* (baiji), Bac: *Balaenoptera acutorostrata* (minke whale), Pca: *Physeter catodon* (sperm whale).

LDHA

	Hsa	Mmu	Bta	Ssc	Ccr	Oor	Gme	Ttr	Lve	Bac	Pca
Hsa	100%										
Mmu	93%	100%									
Bta	93%	94%	100%								
Ssc	92%	93%	96%	100%							
Ccr	95%	96%	95%	94%	100%						
Oor	92%	93%	96%	95%	94%	100%					
Gme	92%	93%	96%	95%	94%	100%	100%				
Ttr	92%	93%	96%	95%	94%	99%	99%	100%			
Lve	92%	93%	96%	95%	93%	97%	97%	97%	100%		
Bac	93%	92%	96%	96%	93%	95%	95%	95%	96%	100%	
Pca	93%	93%	97%	96%	94%	96%	96%	96%	97%	97%	100%

LDHB

	Hsa	Mmu	Bta	Ssc	Ccr	Oor	Gme	Ttr	Lve	Bac	Pca
Hsa	100%										
Mmu	97%	100%									
Bta	98%	96%	100%								
Ssc	97%	95%	98%	100%							
Ccr	99%	97%	97%	97%	100%						
Oor	99%	97%	97%	97%	98%	100%					
Gme	99%	97%	97%	97%	98%	100%	100%				
Ttr	99%	97%	97%	97%	98%	100%	100%	100%			
Lve	99%	97%	97%	97%	98%	100%	100%	100%	100%		
Bac	97%	95%	96%	95%	96%	97%	97%	97%	97%	100%	
Pca	99%	97%	97%	97%	98%	99%	99%	99%	99%	97%	100%

Additional File III_4: Gene expression (RPKM values) of glia and neuron marker in whale and cattle brain samples.

Feature ID	RPKM cattle (SRR594491)	RPKM cattle (SRR594482)	RPKM cattle (SRR636935)	RPKM cattle (SRR636934)	RPKM cattle (SRR8305676)	RPKM killer whale (SRR8305677)	RPKM visual cortex long-finned pilot whale (SRR8305674)	RPKM cerebellum long-finned pilot whale (SRR8305675)	RPKM bowhead whale (SRR1685414)	RPKM minke whale (SRR918699)	RPKM mean cattle	RPKM mean whale
GFAP	267.1	182.3	771.5	813.4	425.0	128.1	175.4	214.6	259.1	314.8	491.8	218.4
RBFOX3	20.9	23.2	28.0	24.6	17.7	15.3	22.2	27.3	37.6	91.4	22.9	38.7
GFAP/RBFOX3	12.8	7.8	27.6	33.1	24.0	8.4	7.9	7.9	6.9	3.4	21.5	5.6